#17

SELECTION
LED.

RUCO
EFFICIENT LIGHT

SPOTLIGHTS

42 > 103

TRACK   RECESSED

DOWNLIGHTS

104 > 127

RECESSED   MOUNTED   TRACK   SUSPENDED
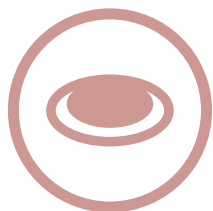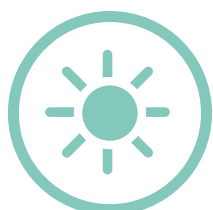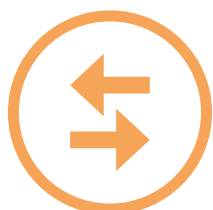
INDIVIDUAL LIGHT 128 > 185
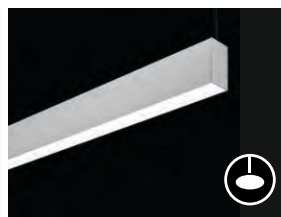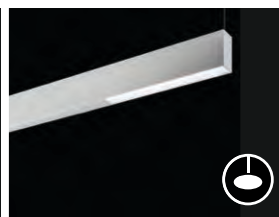
AREA LIGHT 186 > 225
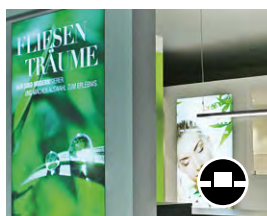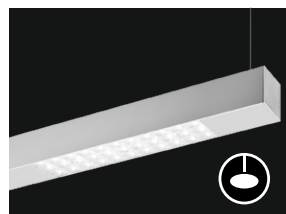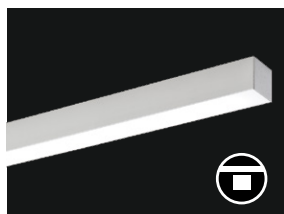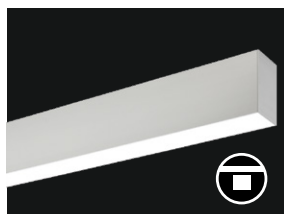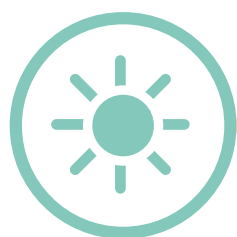
LIGHT SYSTEMS 226 > 263

⊕ RECESSED ⊖ MOUNTED ⊙ SUSPENDED

LIGHT CONTROL 264 > 271
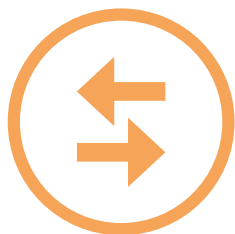
ACCESSORIES
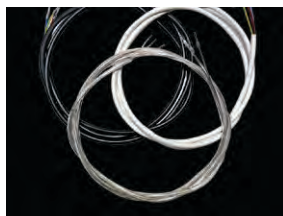
272 > 297

GENERAL INFORMATIONS

298 > 303

OUR
PROFESSION.

For all questions regarding illumination, lighting effects, technology and control, we always have the right answer. We are not just fascinated by the versatility, liveliness and sensuality of light as a media, we know all of the technical options available.

This fascination is your greatest benefit since we will find the perfect solution, for each requirement, and for each need, because we want to find it and because we are able to find it.

Sales areas, brand shops, studios, exhibitions, restaurants, industrial halls, open-plan offices, museums, clinics, schools, doctor's practices, anywhere innovative and well-thought-out lighting solutions are required, RUCO is the perfect partner.

RUCO employs qualified lighting planners who work on tailored lighting concepts and efficient solutions for a wide variety of projects every day.

The projects range from 100 square metres through to 10,000 square metres in size and are thoroughly mastered. Professional consultancy in all lighting issues and close coordination with clients are key elements of our designs. A high level of creativity plays as important a role as the feasibility of the clients requirements.

Since we, at RUCO, have an unerring instinct for effective lighting moods, our considered lighting concepts live up to expectations. We know how to translate a desired atmosphere

into a lighting concept. At the same time, we have the professional experience which enables us to incorporate economic aspects, DIN specifications, energy-efficiency, technology, people and the environment.

When it comes to lighting, we can do anything, calculate it, cast a spell with it, save energy, enthuse, reduce costs and fascinate.

You and your project can profit from our knowledge and extensive experience in a variety of industries. The myriad of projects we have already successfully implemented are testament to our expertise.

MADE IN
GERMANY.

As one of the leading companies for innovative lighting technology, RUCO is not just a developer and manufacturer of lights and lighting systems. With the planning of intelligent lighting concepts for all areas of trades, architecture and lighting of properties, we have established ourselves as competent experts throughout Europe.
We plan, develop and manufacture only at our headquarters in Augsburg.
From there, we send our lights out to the entire world and master the „Made in Germany" task.

OUR
FLEXIBILITY.

Alongside our well-thought-out catalogue programme, we also develop tailored solutions in conjunction with architects, designers and light planners. In doing so, exclusive products are created for a wide variety of properties and applications. Individually implemented by our creative lighting planners and technicians. Economic considerations, DIN specifications, ecological factors and design are all constantly in consideration during implementation and production. As a certified company, RUCO ensures the reliable qualify of individual components and solutions.

Panther Club - Augsburg

INDIVIDUAL
ILLUMINATION.

We have been implementing the wishes of planners and architects for more than half a century. The results are unique lighting solutions for individual illumination concepts.
Only with such special lighting solutions can our partners realise their ideas for a specific project without making compromises.
For us, demanding architectural projects are those in which we develop ourselves further as lighting planners and manufacturers.
If a project requires completely new solutions or special designs, we are able to implement them in the highest quality possible.
In every shape, a wide variety of materials, with or without innovative control and regulation technology, just as the task demands. We are serial producers and specialist manufacturers at the same time. First-class quality and high precision are guaranteed for every item.

We are the perfect partners for architects, engineers and designers since we understand both the technical and the design requirements.
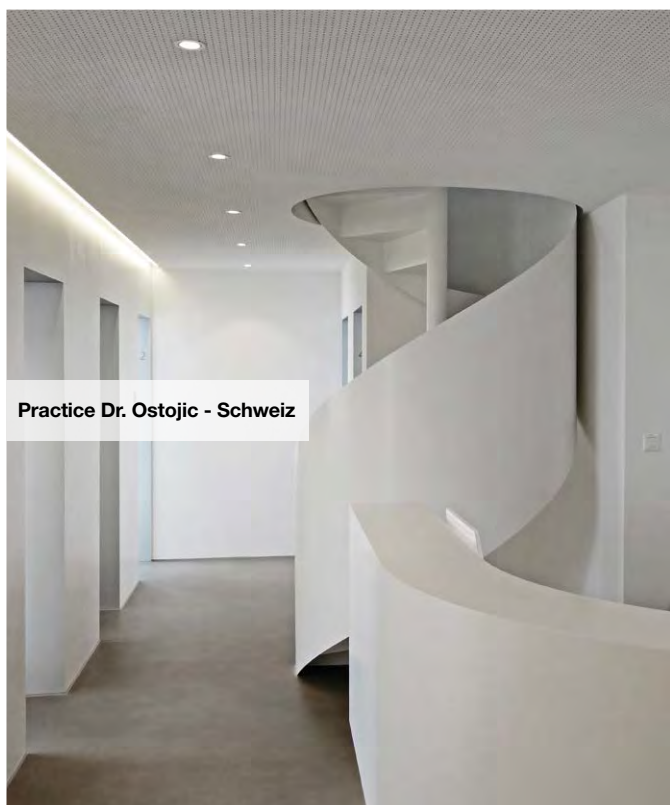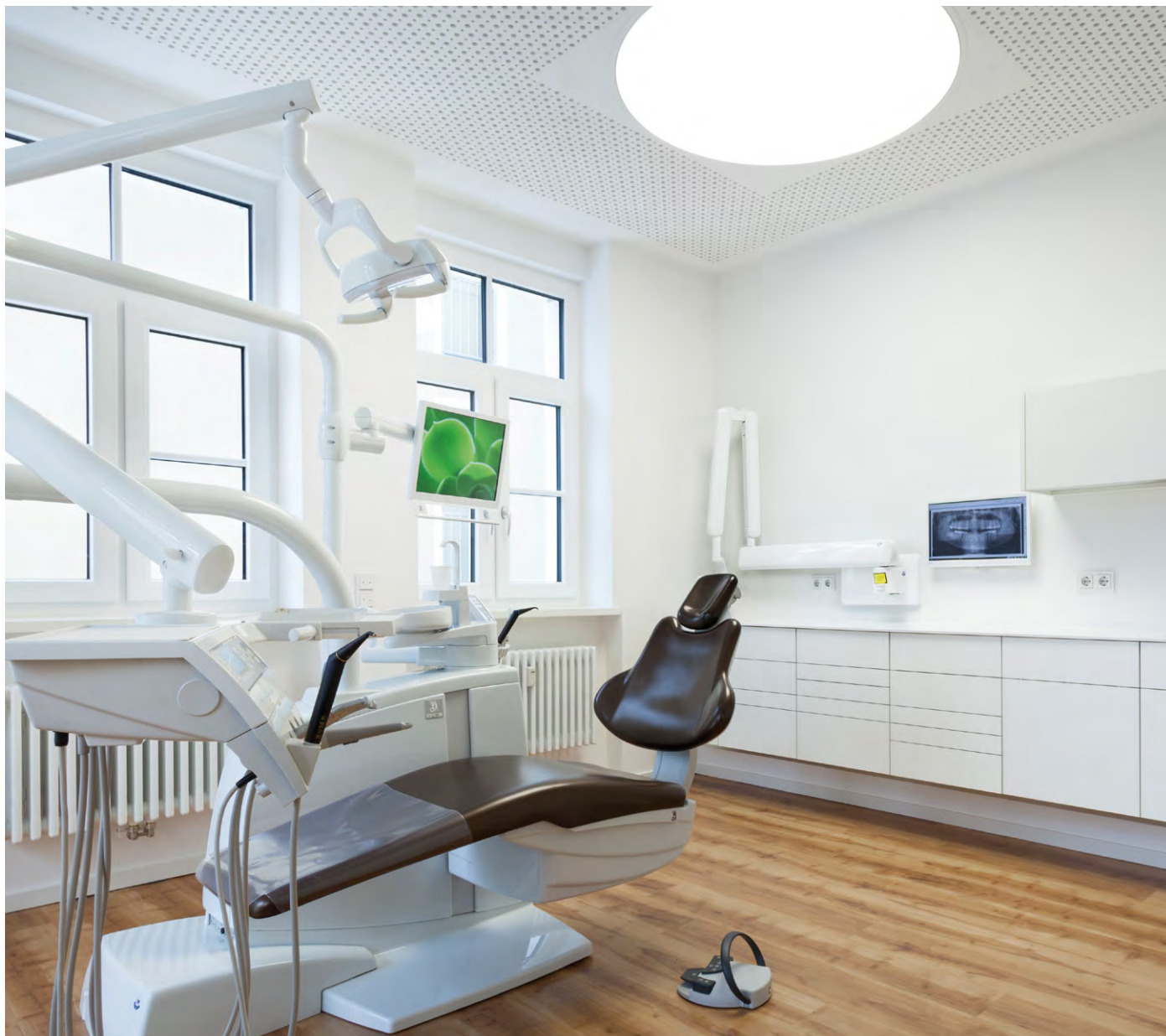
Practice Dr. Ostojic - Schweiz

IN THE PRACTICE
FEEL GOOD.

Functionality and harmony need not be a contradiction. Inviting, friendly and atmospheric, a pleasantly lit reception is the initial welcome to your practice.

The constant development of new treatment methods requires both functional and practical lighting.
A professional light plan enables a harmonious ambience to be created in laboratory and treatment rooms, one which also lives up to the functionality and requirements of a workplace.

Practice Dr. Gmeiner - Riebeling

Holzfachmarkt Jochum - Zusmarshausen

MATERIAL AND SURFACES
EXPERIENCE.

An incorrectly selected light source means that structures can no longer be seen, wood appears faded and cold. The right lighting is key when it comes to presenting the natural and individual nature of surfaces in the right light. The appropriate selection of the light colour and the optimum control of the lighting are essential for perfect results.

Holzland - Roeren

Frisches

Pflanzen-
Drinks

Konserve

Bio Shop - Gelsenkirchen

LIGHT AS
ENJOYMENT.

The illumination of your sale rooms can have a considerable effect on the well-being of the customer, and influence the time they spend in the shop as well as their willingness to spend money.

For a wide variety of fresh items in the food sector, we us different light technologies and colours to optimally enhance the freshness and quality of foodstuffs without falsifying it.

The right light will be unconsciously interpreted by customers as a promise of quality.

Primacasa - Lörrach

Feneberg - Kempten

Bakery Sommer - Lippstadt

FRESHNESS...
THAT CAN BE SEEN.

The sight of freshly baked brad and crispy rolls whets the appetite. Golden-brown baked goods are illuminated perfectly by our Food LED chip. Thanks to the special light spectrum, the goods are presented in a true and sales-promoting manner.

Bakery Brunner - Auerbach

Bakery Hensel - Bad Oeynhausen

Bakery Siegel

Butcher's Kastner - Forchheim

Butcher's Alt - Albstadt

Bio Shop - Gelsenkirchen

Edeka Windman - Paderborn

Edeka Nüsken
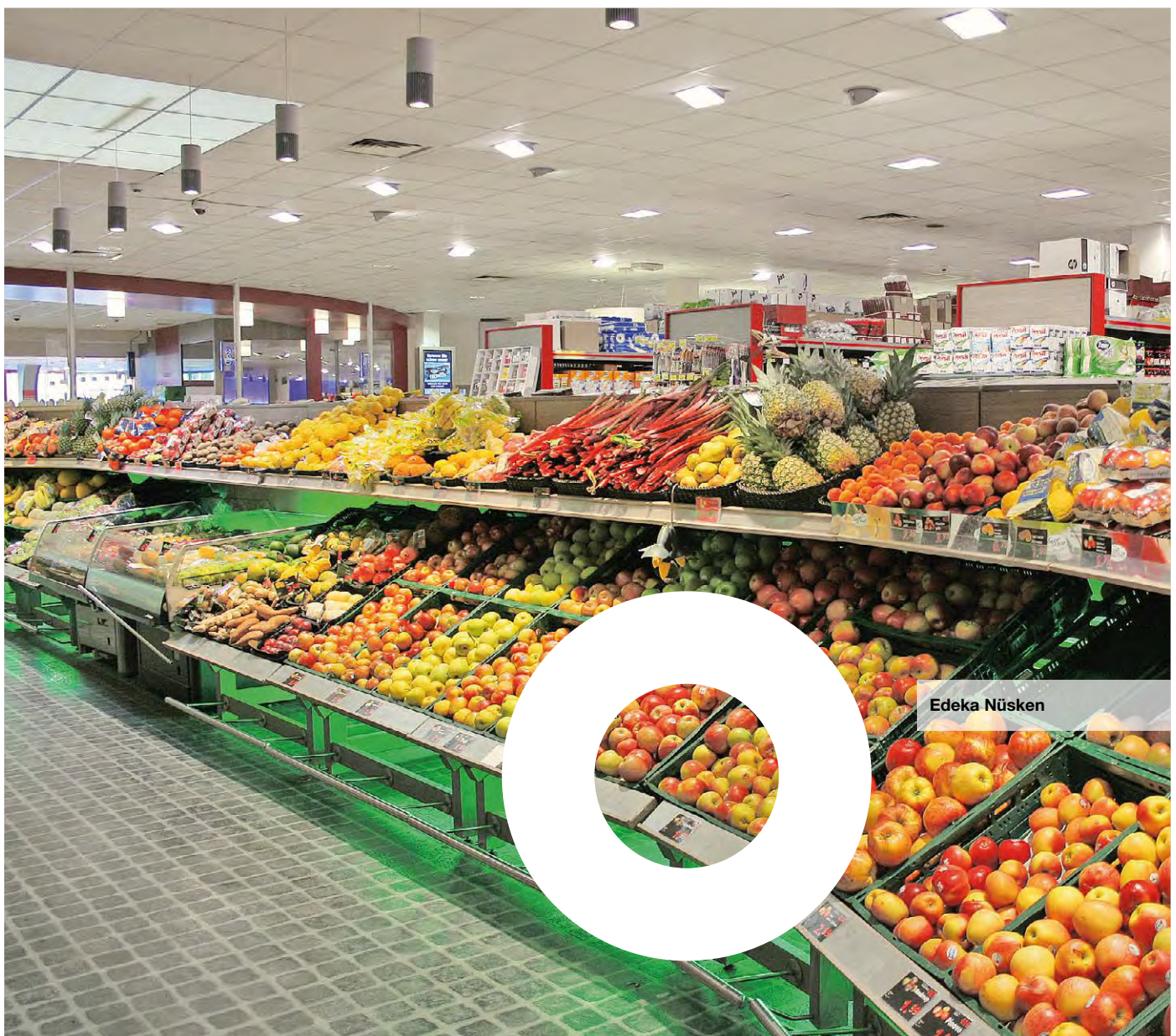
Kitchen Company - Salach

KITCHEN
FOCUS.

The kitchen is the heart of the home. Here, we work, we eat and we live. And the requirements made of light planning for a kitchen studio reflect this versatility.
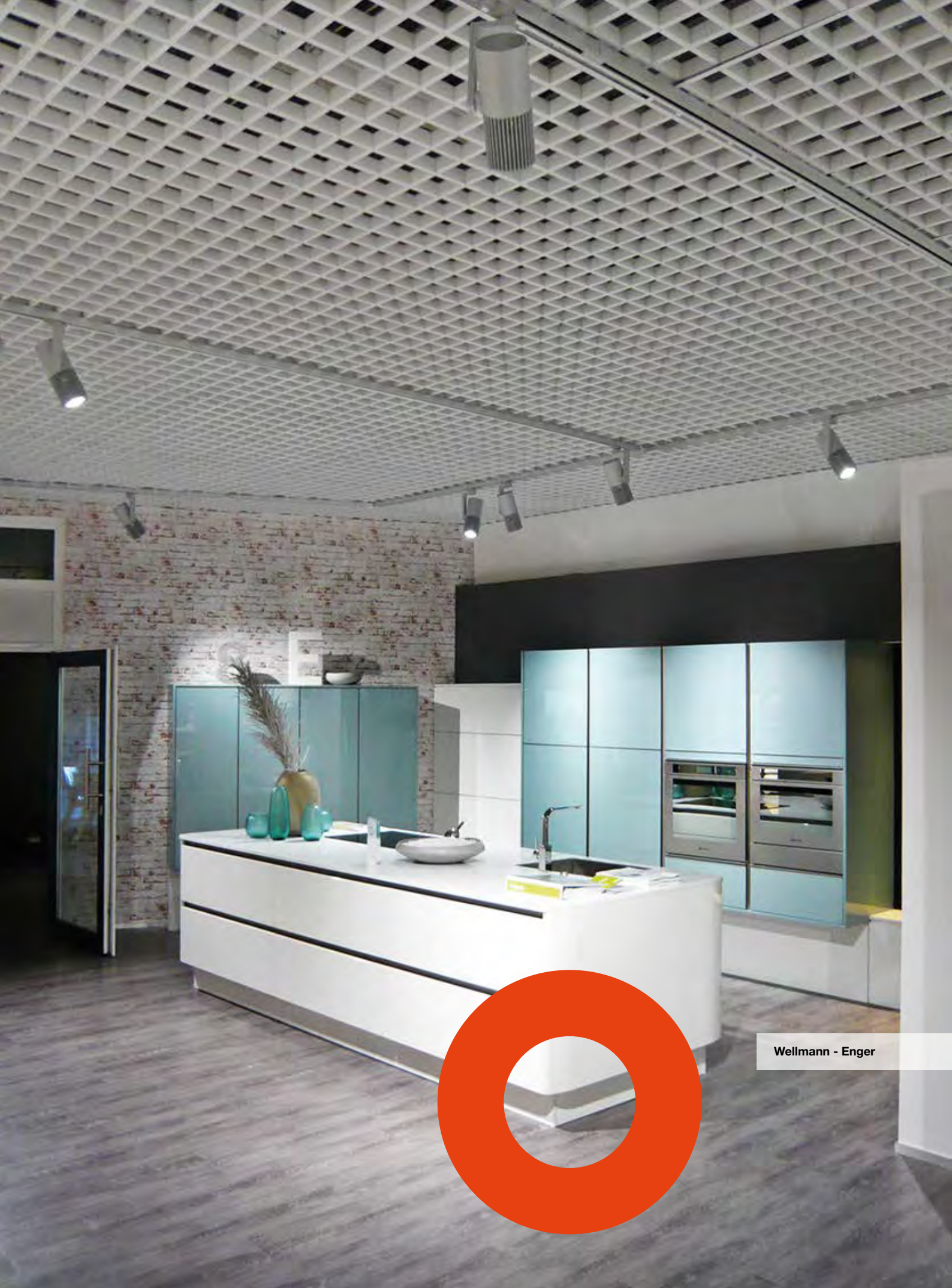
Wellmann - Enger

LIVING QUARTERS
ATTRACT LIGHT.

The expectation of clients is constantly rise when it comes to ambience. We all want to be spoiled. Atmospheric living quarters in harmonious interplay with materials, colours and lights. Decorative and set in scene with accessories that speak to the sense and trigger impulses. Conscious use of light and shadow. Contrasts attract the attention and convey value. We promise a performance for which a customer is prepared to pay a premium. Flexible light sources that can easily be adjusted to new ideas and make the house a stage.

Furniture Bernskötter - Mühlheim

Furniture Store - Belgium

Furniture Bernskötter

Wohndesign, Freising

20UP – KOPFTEILE
VARIANTENREICH – IMMER PASSEND!

Furniture Rauch - Freudenberg
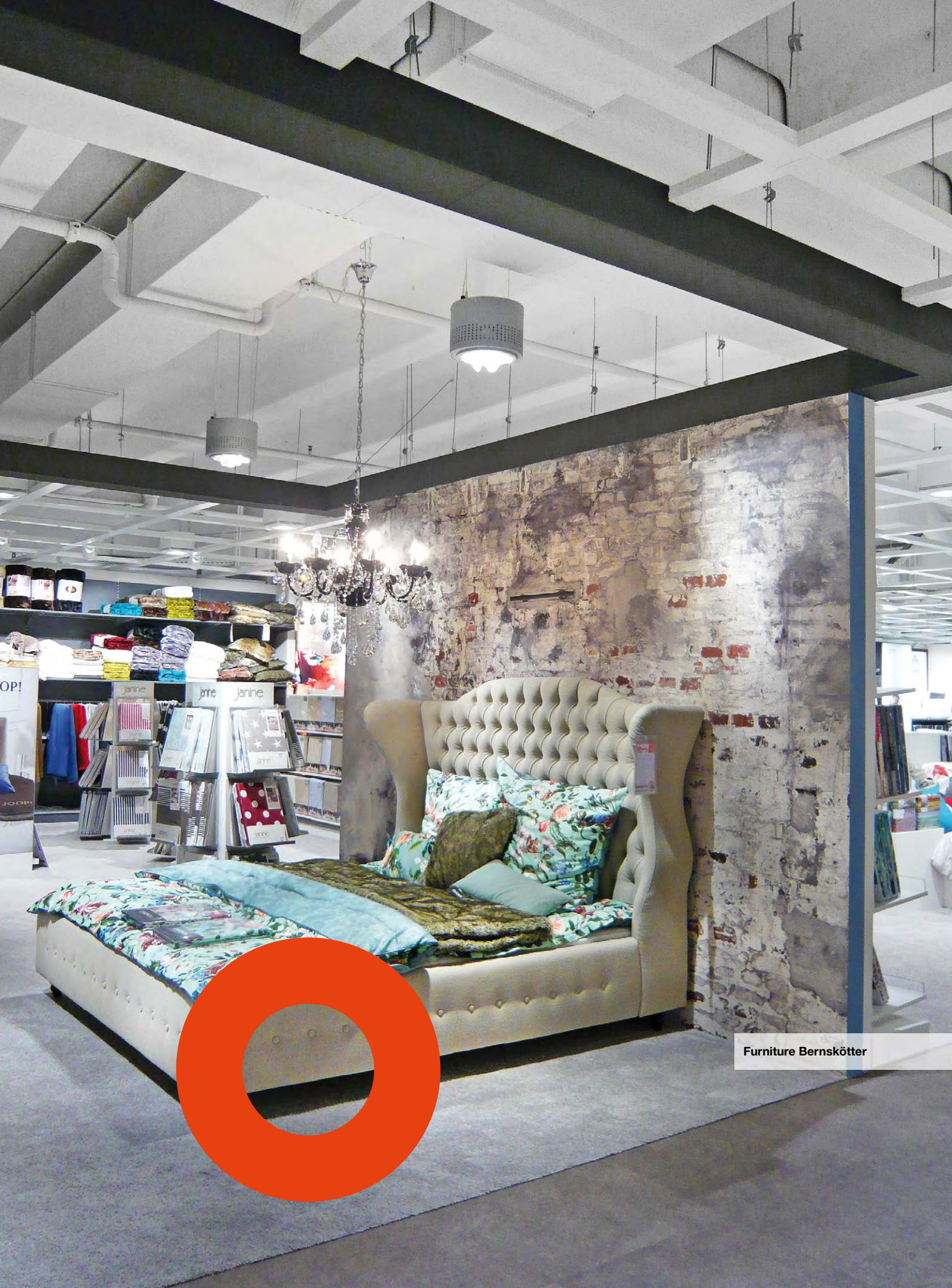
KARE - Munich

RETAIL
EXPERIENCE.

For more than 65 years, we have focused on shops, boutiques, outlets, showrooms, shopping malls and large areas. RUCO has successfully positioned itself as a provider of efficient lighting solutions.

Fashion, food, department-stores, automotive, furniture, kitchen, health & beauty are all sectors in which good design and efficient technology are a measure of success. We offer our clients, sales-promoting lighting concepts, economic and efficient lighting solutions combined with many years of experience in planning lighting and in project management. We are characterised by the highest possible product and process quality and competitive pricing.

KARE Cityhouse - Munich

Urban, Pfaffenhofen

Extra - Kaiserslautern

Shoe Town Werdich Milaneo, Stuttgart

Werdich - Schwäbisch Gmünd

SHOES
HIGHLIGHTS.

The basic lighting, with its regularly arranged lights, offers overview and orientation. Flexible sources of light literally create highlights and set the products in scene.

According to concept, lights may be concealed subtly in the ceiling or stand out individually as decorative eye-catchers. A variety of radiation angles emphasise shapes, intensify shine and turn every shoe into a desirable object.

Werdich, Friedrichshafen
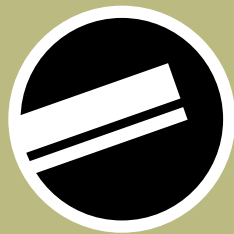
TRACK

LED
SPOTLIGHTS
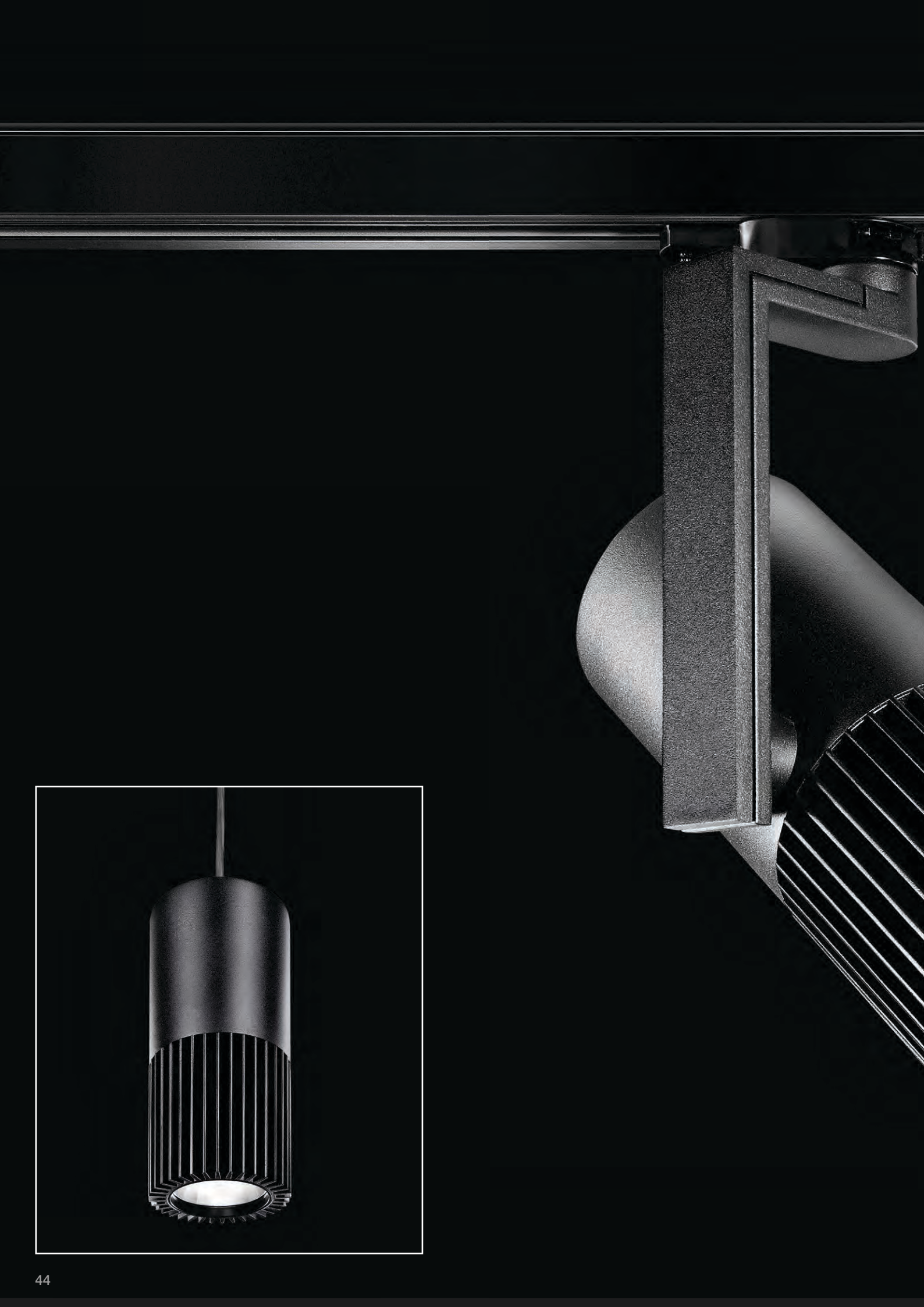
Tubo

Tubo is the spotlight range for power tracks and is also available as built-in and pendulum lights.
The Tubo family is characterised by a powerful, striking design and, thanks to the numerous versions and types, enables flexible lighting scenarios with consistent room design.

The visible passive cooling not only determines the clean lines, it also ensures efficient heat management for a long lifetime.
The use of the latest generation of aluminium reflectors ensures high efficiency of light and illumination intensities as well as consistent lighting without spectral colour appearances plus optimum limitation of direct glare.
LED modules are available designed for various different illumination tasks and coordinated perfectly for the relevant industry.
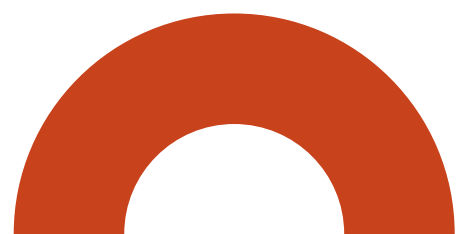
Tubo

> track spotlight with LED-technology
> lamp rotates 355° and light head swivels 180°
> high-quality aluminium reflector for maximum light output and glare-free lighting
> thermal management with passive cooling

DETAILS
> lamp made of aluminium, die-cast
> supply unit integrated
> protective cover against soiling of reflector and the LED
> adapter für 3-phase track

MORE
> colours: silver, black, white
> other versions and colours of light and dimmable versions are available on request
> suitable accessories at the end of chapter

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG | | FL | MFL | SP | RAL 9006 | RAL 9005 | RAL 9016 | CE |

LM	power	CRI	light flux	Kelvin	light colour		OrderNo.
LED	28 W	> 90	2800 lm	3000 K	warm white	2 x 23°	**TZ-A-5-28-930-FL**
						2 x 14°	**TZ-A-5-28-930-MFL**
						2 x 10°	**TZ-A-5-28-930-SP**
		> 90	3000 lm	4000 K	neutral white	2 x 23°	**TZ-A-5-28-940-FL**
						2 x 14°	**TZ-A-5-28-940-MFL**
						2 x 10°	**TZ-A-5-28-940-SP**
		> 90	2090 lm		Fashion	2 x 23°	**TZ-A-5-28-FAS-FL**
						2 x 14°	**TZ-A-5-28-FAS-MFL**
						2 x 10°	**TZ-A-5-28-FAS-SP**
		> 90	2800 lm		WKW	2 x 23°	**TZ-A-5-28-WKW-FL**
						2 x 14°	**TZ-A-5-28-WKW-MFL**
						2 x 10°	**TZ-A-5-28-WKW-SP**
	36 W	> 90	3450 lm	3000 K	warm white	2 x 23°	**TZ-A-5-36-930-FL**
						2 x 14°	**TZ-A-5-36-930-MFL**
						2 x 10°	**TZ-A-5-36-930-SP**
		> 90	3750 lm	4000 K	neutral white	2 x 23°	**TZ-A-5-36-940-FL**
						2 x 14°	**TZ-A-5-36-940-MFL**
						2 x 10°	**TZ-A-5-36-940-SP**
		> 90	2600 lm		Fashion	2 x 23°	**TZ-A-5-36-FAS-FL**
						2 x 14°	**TZ-A-5-36-FAS-MFL**
						2 x 10°	**TZ-A-5-36-FAS-SP**
		> 90	3450 lm		WKW	2 x 23°	**TZ-A-5-36-WKW-FL**
						2 x 14°	**TZ-A-5-36-WKW-MFL**
						2 x 10°	**TZ-A-5-36-WKW-SP**
			1650 lm		Food	2 x 23 °	**TZ-A-5-36-Z03-FL**
						2 x 14°	**TZ-A-5-36-Z03-MFL**
						2 x 10°	**TZ-A-5-36-Z03-SP**
			2200 lm		Meat	2 x 23°	**TZ-A-5-36-Z04-FL**
						2 x 14°	**TZ-A-5-36-Z04-MFL**
						2 x 10°	**TZ-A-5-36-Z04-SP**

Dimensions mm	kg
L 124 **B** 100 **H** 340	2,40

Tubo

> track spotlight with LED-technology
> lamp rotates 355° and light head swivels 180°
> high-quality aluminium reflector for maximum light output and glare-free lighting
> thermal management with passive cooling

DETAILS
> lamp made of aluminium, metal
> supply unit integrated
> protective cover against soiling of reflector and the LED
> adapter für 3-phase track

MORE
> colours: silver, black, white
> other versions and colours of light and dimmable versions are available on request
> suitable accessories at the end of chapter

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG |)))) | FL | MFL | SP | RAL 9006 | RAL 9005 | RAL 9016 | CE |

LM	power	CRI	light flux	Kelvin	light colour	△△	OrderNo.
LED	28 W	> 90	2800 lm	3000 K	warm white	2 x 23°	**THP-A-5-28-930-FL**
						2 x 14°	**THP-A-5-28-930-MFL**
						2 x 10°	**THP-A-5-28-930-SP**
		> 90	3000 lm	4000 K	neutral white	2 x 23°	**THP-A-5-28-940-FL**
						2 x 14°	**THP-A-5-28-940-MFL**
						2 x 10°	**THP-A-5-28-940-SP**
		> 90	2090 lm		Fashion	2 x 23°	**THP-A-5-28-FAS-FL**
						2 x 14°	**THP-A-5-28-FAS-MFL**
						2 x 10°	**THP-A-5-28-FAS-SP**
		> 90	2800 lm		WKW	2 x 23°	**THP-A-5-28-WKW-FL**
						2 x 14°	**THP-A-5-28-WKW-MFL**
						2 x 10°	**THP-A-5-28-WKW-SP**
	36 W	> 90	3450 lm	3000 K	warm white	2 x 23°	**THP-A-5-36-930-FL**
						2 x 14°	**THP-A-5-36-930-MFL**
						2 x 10°	**THP-A-5-36-930-SP**
		> 90	3750 lm	4000 K	neutral white	2 x 23°	**THP-A-5-36-940-FL**
						2 x 14°	**THP-A-5-36-940-MFL**
						2 x 10°	**THP-A-5-36-940-SP**
		> 90	2600 lm		Fashion	2 x 23°	**THP-A-5-36-FAS-FL**
						2 x 14°	**THP-A-5-36-FAS-MFL**
						2 x 10°	**THP-A-5-36-FAS-SP**
		> 90	3450 lm		WKW	2 x 23°	**THP-A-5-36-WKW-FL**
						2 x 14°	**THP-A-5-36-WKW-MFL**
						2 x 10°	**THP-A-5-36-WKW-SP**
			1650 lm		Food	2 x 23°	**THP-A-5-36-Z03-FL**
						2 x 14°	**THP-A-5-36-Z03-MFL**
						2 x 10°	**THP-A-5-36-Z03-SP**
			2200 lm		Meat	2 x 23°	**THP-A-5-36-Z04-FL**
						2 x 14°	**THP-A-5-36-Z04-MFL**
						2 x 10°	**THP-A-5-36-Z04-SP**

Dimensions mm			kg
L 220	**B** 100	**H** 200	1,76

Tubo

Tubo

> track spotlight with LED-technology
> lamp rotates 355° and light head swivels 180°
> high-quality aluminium reflector for maximum light output and glare-free lighting
> thermal management with passive cooling

DETAILS
> lamp made of aluminium, metal housing
> supply unit integrated
> protective cover against soiling of reflector and the LED
> adapter für 3-phase track

MORE
> colours: silver, black, white
> other versions and colours of light and dimmable versions are available on request
> suitable accessories at the end of chapter

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG | | FL | MFL | SP | RAL 9006 | RAL 9005 | RAL 9016 | CE |

LM	power	CRI	light flux	Kelvin	light colour		OrderNo.
LED	28 W	> 90	2800 lm	3000 K	warm white	2 x 23°	TLP-A-5-28-930-FL
						2 x 14°	TLP-A-5-28-930-MFL
						2 x 10°	TLP-A-5-28-930-SP
		> 90	3000 lm	4000 K	neutral white	2 x 23°	TLP-A-5-28-940-FL
						2 x 14°	TLP-A-5-28-940-MFL
						2 x 10°	TLP-A-5-28-940-SP
		> 90	2090 lm		Fashion	2 x 23°	TLP-A-5-28-FAS-FL
						2 x 14°	TLP-A-5-28-FAS-MFL
						2 x 10°	TLP-A-5-28-FAS-SP
		> 90	2800 lm		WKW	2 x 23°	TLP-A-5-28-WKW-FL
						2 x 14°	TLP-A-5-28-WKW-MFL
						2 x 10°	TLP-A-5-28-WKW-SP
	36 W	> 90	3450 lm	3000 K	warm white	2 x 23°	TLP-A-5-36-930-FL
						2 x 14°	TLP-A-5-36-930-MFL
						2 x 10°	TLP-A-5-36-930-SP
		> 90	3750 lm	4000 K	neutral white	2 x 23°	TLP-A-5-36-940-FL
						2 x 14°	TLP-A-5-36-940-MFL
						2 x 10°	TLP-A-5-36-940-SP
		> 90	2600 lm		Fashion	2 x 23°	TLP-A-5-36-FAS-FL
						2 x 14°	TLP-A-5-36-FAS-MFL
						2 x 10°	TLP-A-5-36-FAS-SP
		> 90	3450 lm		WKW	2 x 23°	TLP-A-5-36-WKW-FL
						2 x 14°	TLP-A-5-36-WKW-MFL
						2 x 10°	TLP-A-5-36-WKW-SP
			1650 lm		Food	2 x 23°	TLP-A-5-36-Z03-FL
						2 x 14°	TLP-A-5-36-Z03-MFL
						2 x 10°	TLP-A-5-36-Z03-SP
			2200 lm		Meat	2 x 23°	TLP-A-5-36-Z04-FL
						2 x 14°	TLP-A-5-36-Z04-MFL
						2 x 10°	TLP-A-5-36-Z04-SP

Dimensions mm	kg
L 285 B 100 H 175	1,70
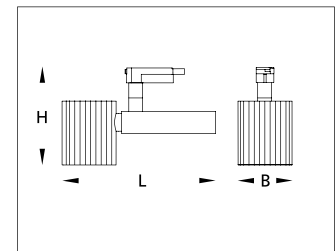
Bakery - Brunner
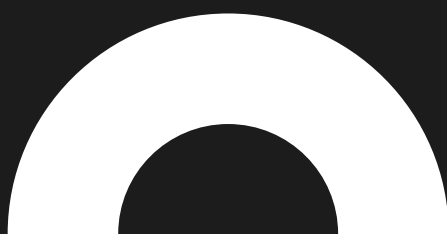
Avanto

The Avanto spotlight range is designed for use on power tracks.

With their clean, modern design, the lights are incorporated seamlessly into their environment.

Full freedom of movement when rotating, swivelling and setting the light head.

The heat management with passive cooling is designed for a long lifetime.

High-quality aluminium reflectors in various radiation angles and the latest in LED technology guarantee a maximum of lighting performance as well as optimum diffusion and high lighting quality.

LED modules are available for various different illumination tasks and coordinated perfectly for the relevant industry.

Avanto S

> track spotlight with LED-technology
> lamp rotates 355° and light head swivels 90°
> high-quality aluminium reflector for maximum light output and glare-free lighting
> thermal management with passive cooling

DETAILS
> lamp made of aluminium
> supply unit integrated
> protective cover against soiling of reflector and the LED
> adapter für 3-phase track

MORE
> colours: silver, black, white
> other versions and colours of light and dimmable versions are available on request

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

ECG		FL	MFL	SP	RAL 9016	RAL 9005	RAL 9006	CE

LM	power	CRI	light flux	Kelvin	light colour		OrderNo.
LED	28 W	> 90	2800 lm	3000 K	warm white	2 x 20°	**AVS-A-5-28-930-FL**
						2 x 12°	**AVS-A-5-28-930-MFL**
						2 x 8°	**AVS-A-5-28-930-SP**
		> 90	3000 lm	4000 K	neutral white	2 x 20°	**AVS-A-5-28-940-FL**
						2 x 12°	**AVS-A-5-28-940-MFL**
						2 x 8°	**AVS-A-5-28-940-SP**
			2090 lm		Fashion	2 x 20°	**AVS-A-5-28-FAS-FL**
						2 x 12°	**AVS-A-5-28-FAS-MFL**
						2 x 8°	**AVS-A-5-28-FAS-SP**
		> 90	2800 lm		WKW	2 x 20°	**AVS-A-5-28-WKW-FL**
						2 x 12°	**AVS-A-5-28-WKW-MFL**
						2 x 8°	**AVS-A-5-28-WKW-SP**

Dimensions mm	kg
L 131 **B** 79 **H** 183	1,20
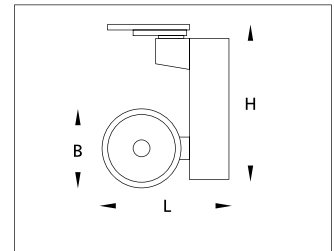
Avanto L

> track spotlight with LED-tecnology
> lamp rotates 355° and light head swivels 90°
> high-quality aluminium reflector for maximum light output and glare-free lighting
> thermal management with passive cooling

DETAILS
> lamp made of aluminium
> supply unit integrated
> protective cover against soiling of reflector and the LED
> adapter für 3-phase track

MORE
> colours: silver, black, white
> other versions and colours of light and dimmable versions are available on request

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

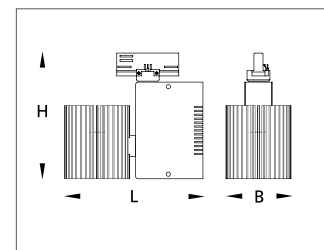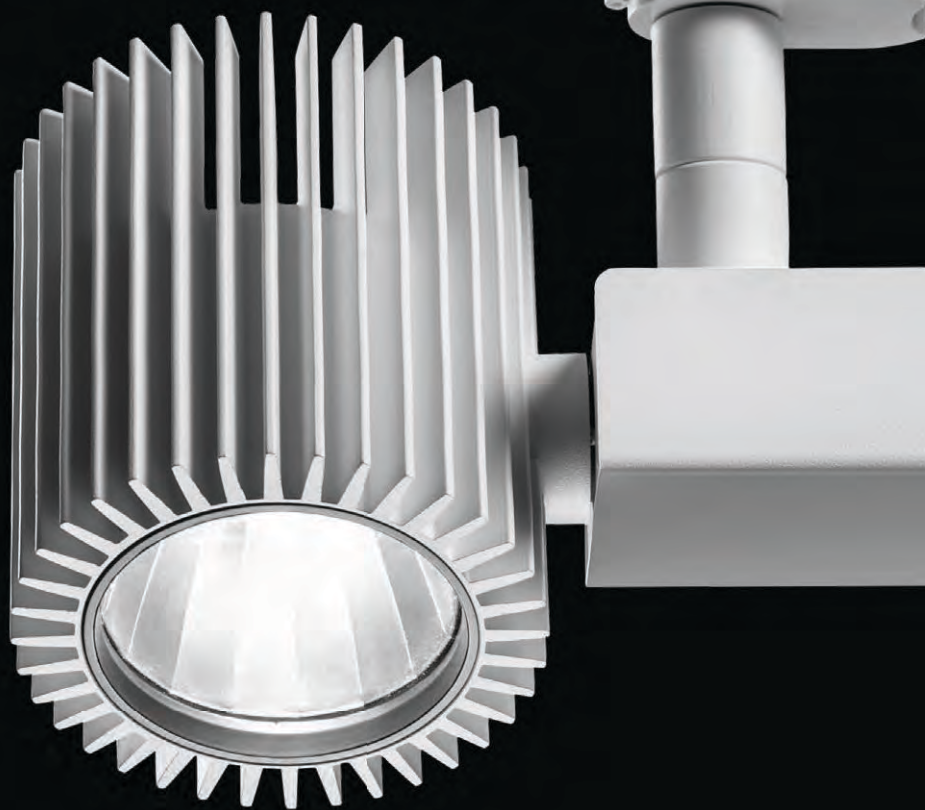| ECG | | FL | MFL | SP | RAL 9016 | RAL 9005 | RAL 9006 | CE |

LM power	CRI	light flux	Kelvin	light colour	▲▲	OrderNo.
LED 36 W	> 90	3450 lm	3000 K	warm white	2 x 20°	**AVL-A-5-36-930-FL**
					2 x 12°	**AVL-A-5-36-930-MFL**
					2 x 8°	**AVL-A-5-36-930-SP**
	> 90	3750 lm	4000 K	neutral white	2 x 20°	**AVL-A-5-36-940-FL**
					2 x 12°	**AVL-A-5-36-940-MFL**
					2 x 8°	**AVL-A-5-36-940-SP**
		2600 lm		Fashion	2 x 20°	**AVL-A-5-36-FAS-FL**
					2 x 12°	**AVL-A-5-36-FAS-MFL**
					2 x 8°	**AVL-A-5-36-FAS-SP**
	> 90	3450 lm		WKW	2 x 20°	**AVL-A-5-36-WKW-FL**
					2 x 12°	**AVL-A-5-36-WKW-MFL**
					2 x 8°	**AVL-A-5-36-WKW-SP**
		1650 lm		Food	2 x 20°	**AVL-A-5-36-Z03-FL**
					2 x 12°	**AVL-A-5-36-Z03-MFL**
					2 x 8°	**AVL-A-5-36-Z03-SP**
		2200 lm		Meat	2 x 20°	**AVL-A-5-36-Z04-FL**
					2 x 12°	**AVL-A-5-36-Z04-MFL**
					2 x 8°	**AVL-A-5-36-Z04-SP**
42 W	> 90	3900 lm	3000 K	warm white	2 x 20°	**AVL-A-5-42-930-FL**
					2 x 12°	**AVL-A-5-42-930-MFL**
					2 x 8°	**AVL-A-5-42-930-SP**
	> 90	4250 lm	4000 K	neutral white	2 x 20°	**AVL-A-5-42-940-FL**
					2 x 12°	**AVL-A-5-42-940-MFL**
					2 x 8°	**AVL-A-5-42-940-SP**
		3000 lm		Fashion	2 x 20°	**AVL-A-5-42-FAS-FL**
					2 x 12°	**AVL-A-5-42-FAS-MFL**
					2 x 8°	**AVL-A-5-42-FAS-SP**
	> 90	3900 lm		WKW	2 x 20°	**AVL-A-5-42-WKW-FL**
					2 x 20°	**AVL-A-5-42-WKW-MFL**
					2 x 8°	**AVL-A-5-42-WKW-SP**
		2000 lm		Food	2 x 20°	**AVL-A-5-42-Z03-FL**
					2 x 12°	**AVL-A-5-42-Z03-MFL**
					2 x 8°	**AVL-A-5-42-Z03-SP**
		2350 lm		Meat	2 x 20°	**AVL-A-5-42-Z04-FL**
					2 x 12°	**AVL-A-5-42-Z04-MFL**
					2 x 12°	**AVL-A-5-42-Z04-SP**

Dimensions mm   **kg**
L 144 **B** 99 **H** 183   1,50
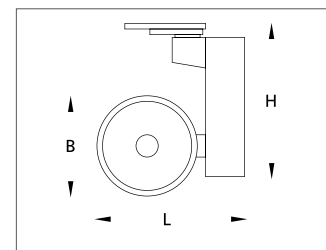
Pola

Pola is extravagant.
The Pola spotlight range offers extra-ordinary design and efficiency.
The integrated passive cooling ensures heat management for the optimum life-time of the lights.
The optimised shape and construction of the lamp head enables, on the one hand, an economic illumination system and, on the other hand, flexible lighting scenarios thanks to the many versions and types.
The focus on high-performance in ligh-ting technology enables particularly efficient lighting solutions.

MHK Weber House - Rheinau

Meier + Kaufmann - Offenburg

Pola

> track spotlight with LED-technology
> lamp rotates 355° and light head swivels 180°
> high-quality aluminium reflector for maximum light output and glare-free lighting
> thermal management with passive cooling

DETAILS
> lamp made of aluminium, metal housing
> supply unit integrated
> protective cover against soiling of reflector and the LED
> adapter für 3-phase track

MORE
> colours: silver, black, white
> other versions and colours of light and dimmable versions are available on request
> suitable accessories at the end of chapter

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG | | FL | MFL | SP | RAL 9006 | RAL 9005 | RAL 9016 | CE |

| LM	power	CRI	light flux	Kelvin	light colour		OrderNo.
LED	36 W	> 90	3450 lm	3000 K	warm white	2 x 25°	POL-A-5-36-930-FL
						2 x 12°	POL-A-5-36-930-MFL
						2 x 7°	POL-A-5-36-930-SP
		> 90	3750 lm	4000 K	neutral white	2 x 25°	POL-A-5-36-940-FL
						2 x 12°	POL-A-5-36-940-MFL
						2 x 7°	POL-A-5-36-940-SP
		> 90	2600 lm		Fashion	2 x 25°	POL-A-5-36-FAS-FL
						2 x 12°	POL-A-5-36-FAS-MFL
						2 x 7°	POL-A-5-36-FAS-SP
		> 90	3450 lm		WKW	2 x 25°	POL-A-5-36-WKW-FL
						2 x 12°	POL-A-5-36-WKW-MFL
						2 x 7°	POL-A-5-36-WKW-SP
			1650 lm		Food	2 x 25°	POL-A-5-36-Z03-FL
						2 x 12°	POL-A-5-36-Z03-MFL
						2 x 7°	POL-A-5-36-Z03-SP
			2200 lm		Meat	2 x 25°	POL-A-5-36-Z04-FL
						2 x 12°	POL-A-5-36-Z04-MFL
						2 x 7°	POL-A-5-36-Z04-SP
	42 W	> 90	3900 lm	3000 K	warm white	2 x 25°	POL-A-5-42-930-FL
						2 x 12°	POL-A-5-42-930-MFL
						2 x 7°	POL-A-5-42-930-SP
		> 90	4250 lm	4000 K	neutral white	2 x 25°	POL-A-5-42-940-FL
						2 x 12°	POL-A-5-42-940-MFL
						2 x 7°	POL-A-5-42-940-SP
		> 90	3000 lm		Fashion	2 x 25°	POL-A-5-42-FAS-FL
						2 x 12°	POL-A-5-42-FAS-MFL
						2 x 7°	POL-A-5-42-FAS-SP
		> 90	3900 lm		WKW	2 x 25°	POL-A-5-42-WKW-FL
						2 x 12°	POL-A-5-42-WKW-MFL
						2 x 7°	POL-A-5-42-WKW-SP
			2000 lm		Food	2 x 25°	POL-A-5-42-Z03-FL
						2 x 12°	POL-A-5-42-Z03-MFL
						2 x 7°	POL-A-5-42-Z03-SP
			2350 lm		Meat	2 x 25°	POL-A-5-42-Z04-FL
						2 x 12°	POL-A-5-42-Z04-MFL
						2 x 7°	POL-A-5-42-Z04-SP

Dimensions mm			kg
L 165	B 152	H 237	1,00
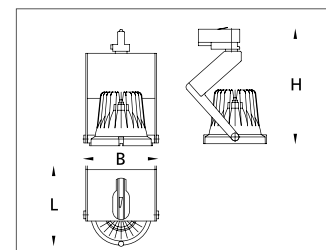
Clippo

The Clippo spotlight range is characterised by its straight lines. The reserved form means that Clippo is extremely versatile in use and blends harmoniously into all environments.

The passive cooling ensures heat management for the optimum lifetime of the lights. The optimised shape and construction of the lamp head enables, on the one hand, an economic illumination system and, on the other hand, flexible lighting scenarios thanks to the many versions and types.

The focus on high-performance in lighting technology enables particularly efficient lighting solutions.

Clippo

> track spotlight with LED-technology
> lamp rotates 355° and light head swivels 180°
> high-quality aluminium reflector for maximum light output and glare-free lighting
> thermal management with passive cooling

DETAILS
> lamp made of aluminium, metal housing
> supply unit integrated
> protective cover against soiling of reflector and the LED
> adapter for 3-phase track

MORE
> colours: silver, black, white
> other versions and colours of light and dimmable versions are available on request
> suitable accessories at the end of chapter

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG | | FL | MFL | SP | RAL 9006 | RAL 9005 | RAL 9016 | CE |

LM	power	CRI	light flux	Kelvin	light colour		OrderNo.
LED	36 W	> 90	3450 lm	3000 K	warm white	2 x 25°	**CPL-A-5-36-930-FL**
						2 x 12°	**CPL-A-5-36-930-MFL**
						2 x 7°	**CPL-A-5-36-930-SP**
		> 90	3750 lm	4000 K	neutral white	2 x 25°	**CPL-A-5-36-940-FL**
						2 x 12°	**CPL-A-5-36-940-MFL**
						2 x 7°	**CPL-A-5-36-940-SP**
		> 90	2600 lm		Fashion	2 x 25°	**CPL-A-5-36-FAS-FL**
						2 x 12°	**CPL-A-5-36-FAS-MFL**
						2 x 7°	**CPL-A-5-36-FAS-SP**
		> 90	3450 lm		WKW	2 x 25°	**CPL-A-5-36-WKW-FL**
						2 x 12°	**CPL-A-5-36-WKW-MFL**
						2 x 7°	**CPL-A-5-36-WKW-SP**
			1650 lm		Food	2 x 25°	**CPL-A-5-36-Z03-FL**
						2 x 12°	**CPL-A-5-36-Z03-MFL**
						2 x 7°	**CPL-A-5-36-Z03-SP**
			2200 lm		Meat	2 x 25°	**CPL-A-5-36-Z04-FL**
						2 x 12°	**CPL-A-5-36-Z04-MFL**
						2 x 7°	**CPL-A-5-36-Z04-SP**
	42 W	> 90	3900 lm	3000 K	warm white	2 x 25°	**CPL-A-5-42-930-FL**
						2 x 12°	**CPL-A-5-42-930-MFL**
						2 x 7°	**CPL-A-5-42-930-SP**
		> 90	4250 lm	4000 K	neutral white	2 x 25°	**CPL-A-5-42-940-FL**
						2 x 12°	**CPL-A-5-42-940-MFL**
						2 x 7°	**CPL-A-5-42-940-SP**
		> 90	3000 lm		Fashion	2 x 25°	**CPL-A-5-42-FAS-FL**
						2 x 12°	**CPL-A-5-42-FAS-MFL**
						2 x 7°	**CPL-A-5-42-FAS-SP**
		> 90	3900 lm		WKW	2 x 25°	**CPL-A-5-42-WKW-FL**
						2 x 12°	**CPL-A-5-42-WKW-MFL**
						2 x 7°	**CPL-A-5-42-WKW-SP**
			2000 lm		Food	2 x 25°	**CPL-A-5-42-Z03-FL**
						2 x 12°	**CPL-A-5-42-Z03-MFL**
						2 x 7°	**CPL-A-5-42-Z03-SP**
			2350 lm		Meat	2 x 25°	**CPL-A-5-42-Z04-FL**
						2 x 12°	**CPL-A-5-42-Z04-MFL**
						2 x 7°	**CPL-A-5-42-Z04-SP**

Dimensions mm	kg
L 225 **B** 152 **H** 231	1,30

Clippo Duo

> track spotlight with LED-technology
> lamps rotate 355° and light heads swivel 180°
> high-quality aluminium reflector for maximum light output and glare-free lighting
> thermal management with passive cooling

DETAILS
> lamp made of aluminium, metal housing
> supply unit integrated
> protective cover against soiling of reflector and the LED
> adapter for 3-phase track

MORE
> colours: silver, black, white
> other versions and colours of light and dimmable versions are available on request
> suitable accessories at the end of chapter

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG | | FL | MFL | SP | RAL 9006 | RAL 9005 | RAL 9016 | C E |

LM	power	CRI	light flux	Kelvin	light colour		OrderNo.
LED	2 x 36 W	> 90	2 x 3450 lm	3000 K	warm white	2 x 25°	CPL2-A-5-36-930-FL
						2 x 12°	CPL2-A-5-36-930-MFL
						2 x 7°	CPL2-A-5-36-930-SP
		> 90	2 x 3750 lm	4000 K	neutral white	2 x 25°	CPL2-A-5-36-940-FL
						2 x 12°	CPL2-A-5-36-940-MFL
						2 x 7°	CPL2-A-5-36-940-SP
		> 90	2 x 2600 lm		Fashion	2 x 25°	CPL2-A-5-36-FAS-FL
						2 x 12°	CPL2-A-5-36-FAS-MFL
						2 x 7°	CPL2-A-5-36-FAS-SP
		> 90	2 x 3450 lm		WKW	2 x 25°	CPL2-A-5-36-WKW-FL
						2 x 12°	CPL2-A-5-36-WKW-MFL
						2 x 7°	CPL2-A-5-36-WKW-SP
			2 x 1650 lm		Food	2 x 25°	CPL2-A-5-36-Z03-FL
						2 x 12°	CPL2-A-5-36-Z03-MFL
						2 x 7°	CPL2-A-5-36-Z03-SP
			2 x 2200 lm		Meat	2 x 25°	CPL2-A-5-36-Z04-FL
						2 x 12°	CPL2-A-5-36-Z04-MFL
						2 x 7°	CPL2-A-5-36-Z04-SP
	2 x 42 W	> 90	2 x 3900 lm	3000 K	warm white	2 x 25°	CPL2-A-5-42-930-FL
						2 x 12°	CPL2-A-5-42-930-MFL
						2 x 7°	CPL2-A-5-42-930-SP
		> 90	2 x 4250 lm	4000 K	neutral white	2 x 25°	CPL2-A-5-42-940-FL
						2 x 12°	CPL2-A-5-42-940-MFL
						2 x 7°	CPL2-A-5-42-940-SP
		> 90	2 x 3000 lm		Fashion	2 x 25°	CPL2-A-5-42-FAS-FL
						2 x 12°	CPL2-A-5-42-FAS-MFL
						2 x 7°	CPL2-A-5-42-FAS-SP
		> 90	2 x 3900 lm		WKW	2 x 25°	CPL2-A-5-42-WKW-FL
						2 x 12°	CPL2-A-5-42-WKW-MFL
						2 x 7°	CPL2-A-5-42-WKW-SP
			2 x 2000 lm		Food	2 x 25°	CPL2-A-5-42-Z03-FL
						2 x 12°	CPL2-A-5-42-Z03-MFL
						2 x 7°	CPL2-A-5-42-Z03-SP
			2 x 2350 lm		Meat	2 x 25°	CPL2-A-5-42-Z04-FL
						2 x 12°	CPL2-A-5-42-Z04-MFL
						2 x 7°	CPL2-A-5-42-Z04-SP

Dimensions mm		kg
L 430 B 152 H 231		2,60

Quadro

Quadro

> trackspotlight with LED-technology
> lamp rotates 355° and light head swivels 180°
> high-quality aluminium reflector for maximum light output and glare-free lighting
> thermal management with passive cooling

DETAILS
> lamp made of aluminium, metal
> supply unit integrated
> protective cover against soiling of reflector and the LED
> adapter für 3-phase track

MORE
> colours: silver, black, white
> other versions and colours of light and dimmable versions are available on request
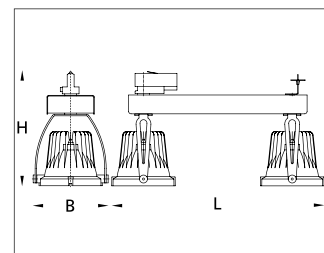> suitable accessories at the end of chapter

When ordering, always specify the desired colour.
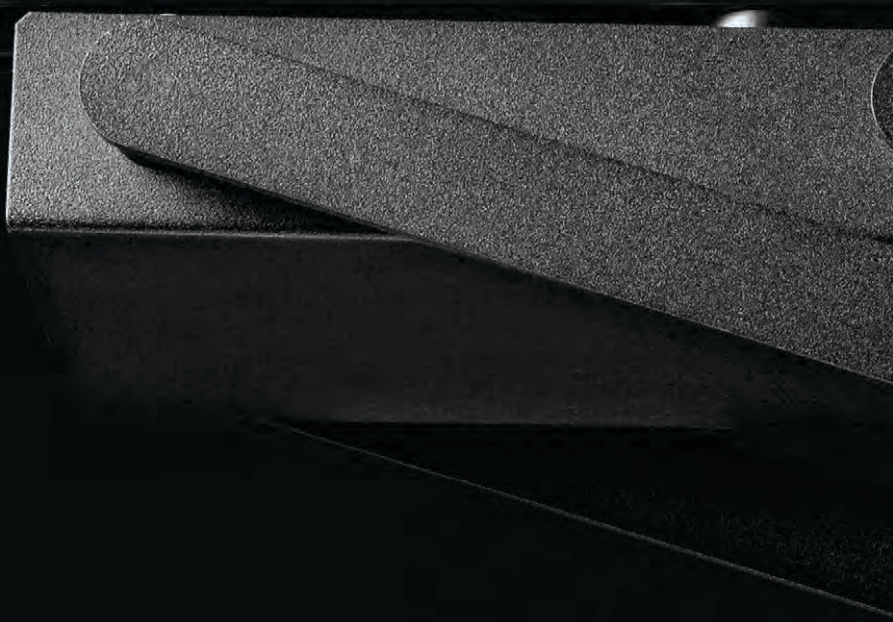*At time of print.*
Current technical data and information, see www.rucolicht.de

| ECG | | FL | MFL | SP | RAL 9006 | RAL 9005 | RAL 9016 | CE |

LM	power	CRI	light flux	Kelvin	light colour		OrderNo.	Dimensions mm		kg
LED	36 W	> 90	3450 lm	3000 K	warm white	2 x 25°	QAL-A-5-36-930-FL	**L** 340 **B** 150 **H** 150		1,60
						2 x 12°	QAL-A-5-36-930-MFL			
						2 x 7°	QAL-A-5-36-930-SP			
		> 90	3750 lm	4000 K	neutral white	2 x 25°	QAL-A-5-36-940-FL			
						2 x 12°	QAL-A-5-36-940-MFL			
						2 x 7°	QAL-A-5-36-940-SP			
		> 90	2600 lm		Fashion	2 x 25°	QAL-A-5-36-FAS-FL			
						2 x 12°	QAL-A-5-36-FAS-MFL			
						2 x 7°	QAL-A-5-36-FAS-SP			
		> 90	3450 lm		WKW	2 x 25°	QAL-A-5-36-WKW-FL			
						2 x 12°	QAL-A-5-36-WKW-MFL			
						2 x 7°	QAL-A-5-36-WKW-SP			
			1650 lm		Food	2 x 25°	QAL-A-5-36-Z03-FL			
						2 x 12°	QAL-A-5-36-Z03-MFL			
						2 x 7°	QAL-A-5-36-Z03-SP			
			2200 lm		Meat	2 x 25°	QAL-A-5-36-Z04-FL			
						2 x 12°	QAL-A-5-36-Z04-MFL			
						2 x 7°	QAL-A-5-36-Z04-SP			
	42 W	> 90	3900 lm	3000 K	warm white	2 x 25°	QAL-A-5-42-930-FL			
						2 x 12°	QAL-A-5-42-930-MFL			
						2 x 7°	QAL-A-5-42-930-SP			
		> 90	4250 lm	4000 K	neutral white	2 x 25°	QAL-A-5-42-940-FL			
						2 x 12°	QAL-A-5-42-940-MFL			
						2 x 7°	QAL-A-5-42-940-SP			
		> 90	3000 lm		Fashion	2 x 25°	QAL-A-5-42-FAS-FL			
						2 x 12°	QAL-A-5-42-FAS-MFL			
						2 x 7°	QAL-A-5-42-FAS-SP			
		> 90	3900 lm		WKW	2 x 25°	QAL-A-5-42-WKW-FL			
						2 x 12°	QAL-A-5-42-WKW-MFL			
						2 x 7°	QAL-A-5-42-WKW-SP			
			2000 lm		Food	2 x 25°	QAL-A-5-42-Z03-FL			
						2 x 12°	QAL-A-5-42-Z03-MFL			
						2 x 7°	QAL-A-5-42-Z03-SP			
			2350 lm		Meat	2 x 25°	QAL-A-5-42-Z04-FL			
						2 x 12°	QAL-A-5-42-Z04-MFL			
						2 x 7°	QAL-A-5-42-Z04-SP			

Facto

> track spotlight with LED-technology
> lamp rotates 355° and light head swivels 90° and rotates 90°
> high-quality aluminium reflector for maximum light output and glare-free lighting
> thermal management with passive cooling

DETAILS
> lamp made of aluminium, metal
> supply unit integrated
> protective cover against soiling of reflector and the LED
> adapter für 3-phase track

MORE
> colours: silver, black, white
> other versions and colours of light and dimmable versions are available on request
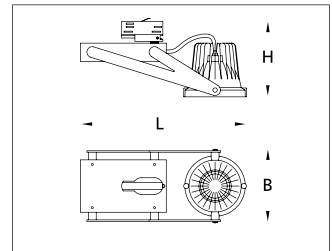> suitable accessories at the end of chapter

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG | | FL | MFL | SP | RAL 9006 | RAL 9005 | RAL 9016 | CE |

LM	power	CRI	light flux	Kelvin	light colour		OrderNo.
LED	36 W	> 90	3450 lm	3000 K	warm white	2 x 25°	QFL-A-5-36-930-FL
						2 x 12°	QFL-A-5-36-930-MFL
						2 x 7°	QFL-A-5-36-930-SP
		> 90	3750 lm	4000 K	neutral white	2 x 25°	QFL-A-5-36-940-FL
						2 x 12°	QFL-A-5-36-940-MFL
						2 x 7°	QFL-A-5-36-940-SP
		> 90	2600 lm		Fashion	2 x 25°	QFL-A-5-36-FAS-FL
						2 x 12°	QFL-A-5-36-FAS-MFL
						2 x 7°	QFL-A-5-36-FAS-SP
		> 90	3450 lm		WKW	2 x 25°	QFL-A-5-36-WKW-FL
						2 x 12°	QFL-A-5-36-WKW-MFL
						2 x 7°	QFL-A-5-36-WKW-SP
			1650 lm		Food	2 x 25°	QFL-A-5-36-Z03-FL
						2 x 12°	QFL-A-5-36-Z03-MFL
						2 x 7°	QFL-A-5-36-Z03-SP
			2200 lm		Meat	2 x 25°	QFL-A-5-36-Z04-FL
						2 x 12°	QFL-A-5-36-Z04-MFL
						2 x 7°	QFL-A-5-36-Z04-SP
	42 W	> 90	3900 lm	3000 K	warm white	2 x 25°	QFL-A-5-42-930-FL
						2 x 12°	QFL-A-5-42-930-MFL
						2 x 7°	QFL-A-5-42-930-SP
		> 90	4250 lm	4000 K	neutral white	2 x 25°	QFL-A-5-42-940-FL
						2 x 12°	QFL-A-5-42-940-MFL
						2 x 7°	QFL-A-5-42-940-SP
			3000 lm		Fashion	2 x 25°	QFL-A-5-42-FAS-FL
						2 x 12°	QFL-A-5-42-FAS-MFL
						2 x 7°	QFL-A-5-42-FAS-SP
		> 90	3900 lm		WKW	2 x 25°	QFL-A-5-42-WKW-FL
						2 x 12°	QFL-A-5-42-WKW-MFL
						2 x 7°	QFL-A-5-42-WKW-SP
			2000 lm		Food	2 x 25°	QFL-A-5-42-Z03-FL
						2 x 12°	QFL-A-5-42-Z03-MFL
						2 x 7°	QFL-A-5-42-Z03-SP
			2350 lm		Meat	2 x 25°	QFL-A-5-42-Z04-FL
						2 x 12°	QFL-A-5-42-Z04-MFL
						2 x 7°	QFL-A-5-42-Z04-SP

Dimensions mm	kg
L 265 **B** 150 **H** 202	1,70
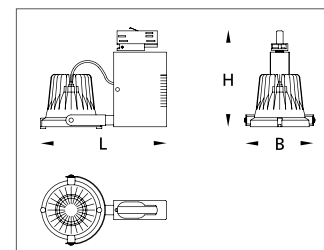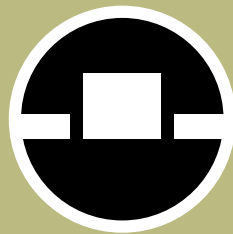
RECESSED

LED
SPOTLIGHTS
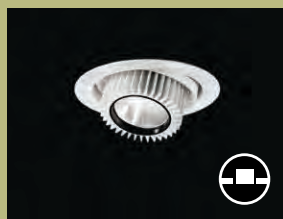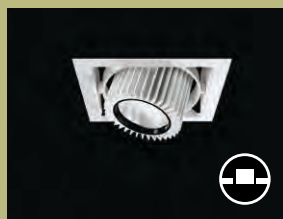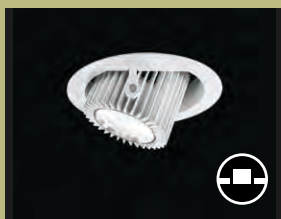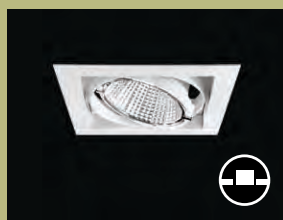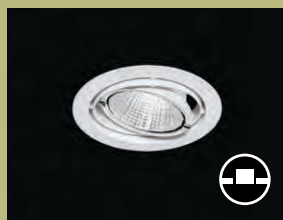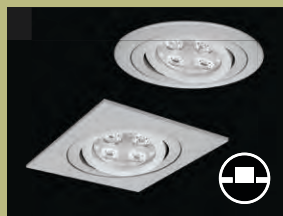
Tubo

Bath studio Rohr - Hofheim
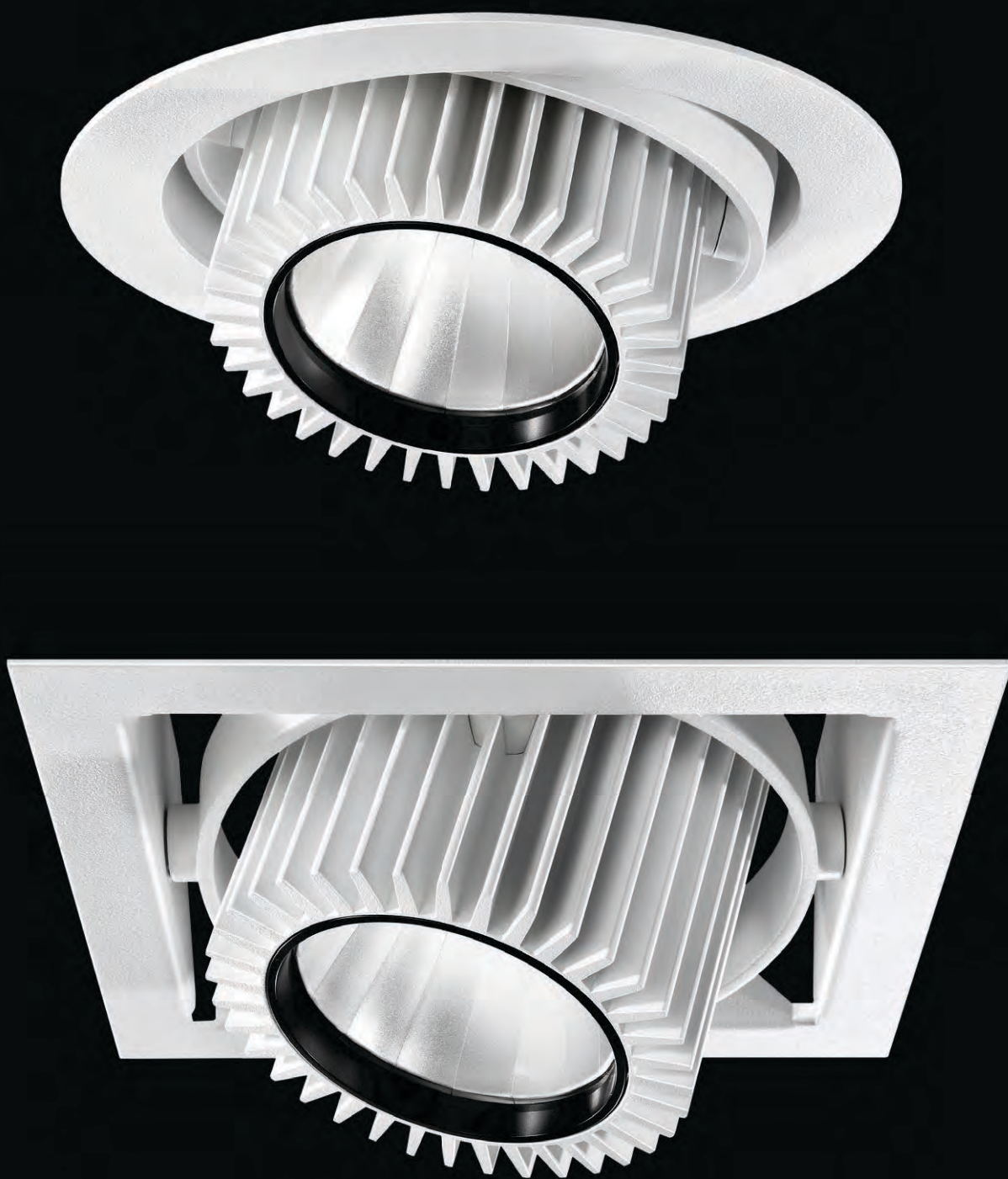
Tubo

> recessed spotlight with LED-technology
> cardan light head swivels 23°
> high-quality aluminium reflector for maximum light output and glare-free lighting
> thermal management with passive cooling

DETAILS
> lamp made of aluminium, metal mounting frame
> supply unit integrated (placement outside the lightbody)
> protective cover against soiling of reflector and the LED
> toolless ceiling mounting with quick-release springs

MORE
> colours: silver, black, white
> other versions and colours of light and dimmable versions are available on request
> suitable accessories at the end of chapter

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG		FL	MFL	SP	RAL 9006	RAL 9005	RAL 9016	CE

LM	power	CRI	light flux	Kelvin	light colour		OrderNo.
LED	28 W	> 90	2800 lm	3000 K	warm white	2 x 23°	**QMP-ER-1-5-28-930-FL**
						2 x 14°	**QMP-ER-1-5-28-930-MFL**
						2 x 10°	**QMP-ER-1-5-28-930-SP**
		> 90	3000 lm	4000 K	neutral white	2 x 23°	**QMP-ER-1-5-28-940-FL**
						2 x 14°	**QMP-ER-1-5-28-940-MFL**
						2 x 10°	**QMP-ER-1-5-28-940-SP**
		> 90	2090 lm		Fashion	2 x 23°	**QMP-ER-1-5-28-FAS-FL**
						2 x 14°	**QMP-ER-1-5-28-FAS-MFL**
						2 x 10°	**QMP-ER-1-5-28-FAS-SP**
		> 90	2800 lm		WKW	2 x 23°	**QMP-ER-1-5-28-WKW-FL**
						2 x 14°	**QMP-ER-1-5-28-WKW-MFL**
						2 x 10°	**QMP-ER-1-5-28-WKW-SP**
	36 W	> 90	3450 lm	3000 K	warm white	2 x 23°	**QMP-ER-1-5-36-930-FL**
						2 x 14°	**QMP-ER-1-5-36-930-MFL**
						2 x 10°	**QMP-ER-1-5-36-930-SP**
		> 90	3750 lm	4000 K	neutral white	2 x 23°	**QMP-ER-1-5-36-940-FL**
						2 x 14°	**QMP-ER-1-5-36-940-MFL**
						2 x 10°	**QMP-ER-1-5-36-940-SP**
		> 90	2600 lm		Fashion	2 x 23°	**QMP-ER-1-5-36-FAS-FL**
						2 x 14°	**QMP-ER-1-5-36-FAS-MFL**
						2 x 10°	**QMP-ER-1-5-36-FAS-SP**
		> 90	3450 lm		WKW	2 x 23°	**QMP-ER-1-5-36-WKW-FL**
						2 x 14°	**QMP-ER-1-5-36-WKW-MFL**
						2 x 10°	**QMP-ER-1-5-36-WKW-SP**
			1650 lm		Food	2 x 23°	**QMP-ER-1-5-36-Z03-FL**
						2 x 14°	**QMP-ER-1-5-36-Z03-MFL**
						2 x 10°	**QMP-ER-1-5-36-Z03-SP**
			2200 lm		Meat	2 x 23°	**QMP-ER-1-5-36-Z04-FL**
						2 x 14°	**QMP-ER-1-5-36-Z04-MFL**
						2 x 10°	**QMP-ER-1-5-36-Z04-SP**

Dimensions mm	kg
L 179 **B** 179 **H** 112	1,60
øE 155 **HE** 90	

Tubo

> recessed spotlight with LED-technology
> cardan light head swivels 20°
> high-quality aluminium reflector for maximum light output and glare-free lighting
> thermal management with passive cooling

DETAILS
> lamp made of aluminium, metal mounting frame
> supply unit integrated (placement outside the lightbody)
> protective cover against soiling of reflector and the LED
> toolless ceiling mounting with quick-release springs

MORE
> colours: silver, black, white
> other versions and colours of light and dimmable versions are available on request
> suitable accessories at the end of chapter

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG |))))) | FL | MFL | SP | RAL 9006 | RAL 9016 | RAL 9005 | CE |

LM	power	CRI	light flux	Kelvin	light colour		OrderNo.
LED	2 x 28 W	> 90	2 x 2800 lm	3000 K	warm white	2 x 23°	QMP-ER-2-5-28-930-FL
						2 x 14°	QMP-ER-2-5-28-930-MFL
						2 x 10°	QMP-ER-2-5-28-930-SP
		> 90	2 x 3000 lm	4000 K	neutral white	2 x 23°	QMP-ER-2-5-28-940-FL
						2 x 14°	QMP-ER-2-5-28-940-MFL
						2 x 10°	QMP-ER-2-5-28-940-SP
		> 90	2 x 2090 lm		Fashion	2 x 23°	QMP-ER-2-5-28-FAS-FL
						2 x 14°	QMP-ER-2-5-28-FAS-MFL
						2 x 10°	QMP-ER-2-5-28-FAS-SP
		> 90	2 x 2800 lm		WKW	2 x 23°	QMP-ER-2-5-28-WKW-FL
						2 x 14°	QMP-ER-2-5-28-WKW-MFL
						2 x 10°	QMP-ER-2-5-28-WKW-SP
	2 x 36 W	> 90	2 x 3450 lm	3000 K	warm white	2 x 23°	QMP-ER-2-5-36-930-FL
						2 x 14°	QMP-ER-2-5-36-930-MFL
						2 x 10°	QMP-ER-2-5-36-930-SP
		> 90	2 x 3750 lm	4000 K	neutral white	2 x 23°	QMP-ER-2-5-36-940-FL
						2 x 14°	QMP-ER-2-5-36-940-MFL
						2 x 10°	QMP-ER-2-5-36-940-SP
		> 90	2 x 2600 lm		Fashion	2 x 23°	QMP-ER-2-5-36-FAS-FL
						2 x 14°	QMP-ER-2-5-36-FAS-MFL
						2 x 10°	QMP-ER-2-5-36-FAS-SP
		> 90	2 x 3450 lm		WKW	2 x 23°	QMP-ER-2-5-36-WKW-FL
						2 x 14°	QMP-ER-2-5-36-WKW-MFL
						2 x 10°	QMP-ER-2-5-36-WKW-SP
			2 x 1650 lm		Food	2 x 23°	QMP-ER-2-5-36-Z03-FL
						2 x 14°	QMP-ER-2-5-36-Z03-MFL
						2 x 10°	QMP-ER-2-5-36-Z03-SP
			2 x 2200 lm		Meat	2 x 23°	QMP-ER-2-5-36-Z04-FL
						2 x 14°	QMP-ER-2-5-36-Z04-MFL
						2 x 10°	QMP-ER-2-5-36-Z04-SP

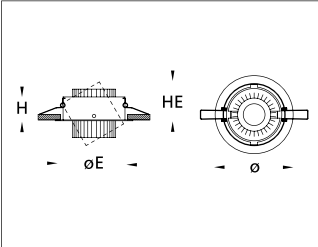| Dimensions mm		kg
L 337 **B** 179 **H** 112		3,10
LE 313 **BE** 155 **HE** 90		

Tubo

> recessed spotlight with LED-technology
> cardan light head swivels 20°
> high-quality aluminium reflector for maximum light output and glare-free lighting
> thermal management with passive cooling

DETAILS
> lamp made of aluminium, metal mounting frame
> supply unit integrated (placement outside the lightbody)
> protective cover against soiling of reflector and the LED
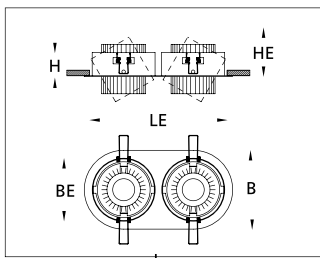> toolless ceiling mounting with quick-release springs

MORE
> colours: silver, black, white
> other versions and colours of light and dimmable versions are available on request
> suitable accessories at the end of chapter

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

ECG		FL	MFL	SP	RAL 9006	RAL 9005	RAL 9016	CE

LM	power	CRI	light flux	Kelvin	light colour		OrderNo.	Dimensions mm	kg
LED	28 W	> 90	2800 lm	3000 K	warm white	2 x 23°	QMP-EQ-1-5-28-930-FL	**L** 179 **B** 179 **H** 112	1,60
						2 x 14°	QMP-EQ-1-5-28-930-MFL	**LE** 155 **BE** 155 **HE** 90	
						2 x 10°	QMP-EQ-1-5-28-930-SP		
		> 90	3000 lm	4000 K	neutral white	2 x 23°	QMP-EQ-1-5-28-940-FL		
						2 x 14°	QMP-EQ-1-5-28-940-MFL		
						2 x 10°	QMP-EQ-1-5-28-940-SP		
		> 90	2090 lm		Fashion	2 x 23°	QMP-EQ-1-5-28-FAS-FL		
						2 x 14°	QMP-EQ-1-5-28-FAS-MFL		
						2 x 10°	QMP-EQ-1-5-28-FAS-SP		
		> 90	2800 lm		WKW	2 x 23°	QMP-EQ-1-5-28-WKW-FL		
						2 x 14°	QMP-EQ-1-5-28-WKW-MFL		
						2 x 10°	QMP-EQ-1-5-28-WKW-SP		
	36 W	> 90	3450 lm	3000 K	warm white	2 x 23°	QMP-EQ-1-5-36-930-FL		
						2 x 14°	QMP-EQ-1-5-36-930-MFL		
						2 x 10°	QMP-EQ-1-5-36-930-SP		
		> 90	3750 lm	4000 K	neutral white	2 x 23°	QMP-EQ-1-5-36-940-FL		
						2 x 14°	QMP-EQ-1-5-36-940-MFL		
						2 x 10°	QMP-EQ-1-5-36-940-SP		
		> 90	2600 lm		Fashion	2 x 23°	QMP-EQ-1-5-36-FAS-FL		
						2 x 14°	QMP-EQ-1-5-36-FAS-MFL		
						2 x 10°	QMP-EQ-1-5-36-FAS-SP		
		> 90	3450 lm		WKW	2 x 23°	QMP-EQ-1-5-36-WKW-FL		
						2 x 14°	QMP-EQ-1-5-36-WKW-MFL		
						2 x 10°	QMP-EQ-1-5-36-WKW-SP		
			1650 lm		Food	2 x 23°	QMP-EQ-1-5-36-Z03-FL		
						2 x 14°	QMP-EQ-1-5-36-Z03-MFL		
						2 x 10°	QMP-EQ-1-5-36-Z03-SP		
			2200 lm		Meat	2 x 23°	QMP-EQ-1-5-36-Z04-FL		
						2 x 14°	QMP-EQ-1-5-36-Z04-MFL		
						2 x 10°	QMP-EQ-1-5-36-Z04-SP		

Tubo

> recessed spotlight with LED-technology
> cardan light heads swivel 20°
> high-quality aluminium reflector for maximum light output and glare-free lighting
> thermal management with passive cooling

DETAILS
> lamp made of aluminium, metal mounting frame
> supply unit integrated (placement outside the lightbody)
> protective cover against soiling of reflector and the LED
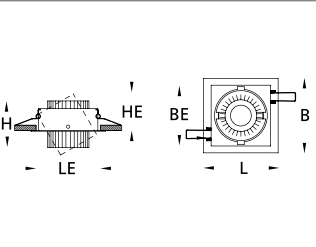> toolless ceiling mounting with quick-release springs

MORE
> colours: silver, black, white
> other versions and colours of light and dimmable versions are available on request
> suitable accessories at the end of chapter

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

ECG		FL	MFL	SP	RAL 9006	RAL 9016	RAL 9005	CE

LM	power	CRI	light flux	Kelvin	light colour		OrderNo.
LED	2 x 28 W	> 90	2 x 2800 lm	3000 K	warm white	2 x 23°	**QMP-EQ-2-5-28-930-FL**
						2 x 14°	**QMP-EQ-2-5-28-930-MFL**
						2 x 10°	**QMP-EQ-2-5-28-930-SP**
		> 90	2 x 3000 lm	4000 K	neutral white	2 x 23°	**QMP-EQ-2-5-28-940-FL**
						2 x 14°	**QMP-EQ-2-5-28-940-MFL**
						2 x 10°	**QMP-EQ-2-5-28-940-SP**
		> 90	2 x 2090 lm		Fashion	2 x 23°	**QMP-EQ-2-5-28-FAS-FL**
						2 x 14°	**QMP-EQ-2-5-28-FAS-MFL**
						2 x 10°	**QMP-EQ-2-5-28-FAS-SP**
		> 90	2 x 2800 lm		WKW	2 x 23°	**QMP-EQ-2-5-28-WKW-FL**
						2 x 14°	**QMP-EQ-2-5-28-WKW-MFL**
						2 x 10°	**QMP-EQ-2-5-28-WKW-SP**
	2 x 36 W	> 90	2 x 3450 lm	3000 K	warm white	2 x 23°	**QMP-EQ-2-5-36-930-FL**
						2 x 14°	**QMP-EQ-2-5-36-930-MFL**
						2 x 10°	**QMP-EQ-2-5-36-930-SP**
		> 90	2 x 3750 lm	4000 K	neutral white	2 x 23°	**QMP-EQ-2-5-36-940-FL**
						2 x 14°	**QMP-EQ-2-5-36-940-MFL**
						2 x 10°	**QMP-EQ-2-5-36-940-SP**
		> 90	2 x 2600 lm		Fashion	2 x 23°	**QMP-EQ-2-5-36-FAS-FL**
						2 x 14°	**QMP-EQ-2-5-36-FAS-MFL**
						2 x 10°	**QMP-EQ-2-5-36-FAS-SP**
		> 90	2 x 3450 lm		WKW	2 x 23°	**QMP-EQ-2-5-36-WKW-FL**
						2 x 14°	**QMP-EQ-2-5-36-WKW-MFL**
						2 x 10°	**QMP-EQ-2-5-36-WKW-SP**
			2 x 1650 lm		Food	2 x 23°	**QMP-EQ-2-5-36-Z03-FL**
						2 x 14°	**QMP-EQ-2-5-36-Z03-MFL**
						2 x 10°	**QMP-EQ-2-5-36-Z03-SP**
			2 x 2200 lm		Meat	2 x 23°	**QMP-EQ-2-5-36-Z04-FL**
						2 x 14°	**QMP-EQ-2-5-36-Z04-MFL**
						2 x 10°	**QMP-EQ-2-5-36-Z04-SP**

Dimensions mm		kg
L 314 **B** 179 **H** 112		3,10
LE 290 **BE** 155 **HE** 90		

Tubo

> recessed spotlight with LED-technology
> light head swivels 90°
> optical system, plano-konvex-lens for homogeneous luminance distribution
> thermal management with passive cooling
> emission direction vertically or horizontally must be specified

DETAILS
> lamp made of aluminium, metal mounting frame
> supply unit integrated (placement outside the lightbody)
> toolless ceiling mounting with quick-release springs

MORE
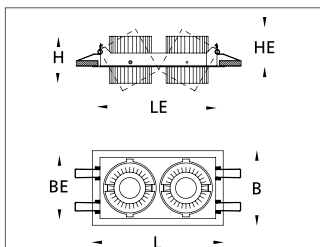> colours: silver, black, white
> other versions and colours of light and dimmable versions are available on request

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG EXTERNAL | | RAL 9006 | RAL 9005 | RAL 9016 | CE |

	power	CRI	light flux	Kelvin	light colour	OrderNo.
	28 W	> 90	2800 lm	3000 K	warm white	**QWO-ER-1-5-28-930**
		> 90	3000 lm	4000 K	neutral white	**QWO-ER-1-5-28-940**
		> 90	2090 lm		Fashion	**QWO-ER-1-5-28-FAS**
		> 90	2800 lm		WKW	**QWO-ER-1-5-28-WKW**
	36 W	> 90	3450 lm	3000 K	warm white	**QWO-ER-1-5-36-930**
		> 90	3750 lm	4000 K	neutral white	**QWO-ER-1-5-36-940**
		> 90	2600 lm		Fashion	**QWO-ER-1-5-36-FAS**
		> 90	3450 lm		WKW	**QWO-ER-1-5-36-WKW**
			1650 lm		Food	**QWO-ER-1-5-36-Z03**
			2200 lm		Meat	**QWO-ER-1-5-36-Z04**

Dimensions mm		kg
ø 178 **H** 102		1,60
øE 155 **HE** 70		

Tubo

> recessed spotlight with LED-technology
> light head swivels 90°
> optical system, plano-konvex-lens for homogeneous luminance distribution
> thermal management with passive cooling
> emission direction vertically or horizontally must be specified

DETAILS
> lamp made of aluminium, metal mounting frame
> supply unit integrated (placement outside the lightbody)
> toolless ceiling mounting with quick-release springs

MORE
> colours: silver, black, white
> other versions and colours of light and dimmable versions are available on request

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

ECG EXTERNAL | RAL 9006 | RAL 9005 | RAL 9016 | CE

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.
LED	28 W	> 90	2800 lm	3000 K	warm white	**QWO-EQ-1-5-28-930**
		> 90	3000 lm	4000 K	neutral white	**QWO-EQ-1-5-28-940**
		> 90	2090 lm		Fashion	**QWO-EQ-1-5-28-FAS**
		> 90	2800 lm		WKW	**QWO-EQ-1-5-28-WKW**
	36 W	> 90	3450 lm	3000 K	warm white	**QWO-EQ-1-5-36-930**
		> 90	3750 lm	4000 K	neutral white	**QWO-EQ-1-5-36-940**
		> 90	2600 lm		Fashion	**QWO-EQ-1-5-36-FAS**
		> 90	3450 lm		WKW	**QWO-EQ-1-5-36-WKW**
			1650 lm		Food	**QWO-EQ-1-5-36-Z03**
			2200 lm		Meat	**QWO-EQ-1-5-36-Z04**

Dimensions mm	kg
L 178 **B** 178 **H** 102	1,60
LE 155 **BE** 155 **HE** 70	
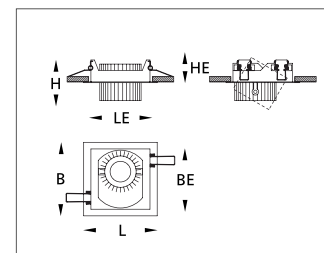
Pavo

Pavo is the high-performance built-in range available in two sizes.
Pavo is put into use wherever there are high demands made of design and performance. The balanced and agreeable design attracts the eye.
The integrated passive cooling ensures heat management for the optimum lifetime of the LED. Full freedom of movement when rotating, swivelling and setting the lamp head ensures the aesthetic and economic illumination of rooms, shops and stores.

High-quality aluminium reflectors in a variety of radiation angles and the latest in LED technology guarantee maximum lighting performance and optimum diffusion as well as high lighting quality.

Pavo S

> recessed spotlight with LED-technology
> lamp rotates 355° and light head swivels 65°
> high-quality aluminium reflector for maximum light output and glare-free lighting
> thermal management with passive cooling

DETAILS
> lamp made of aluminium
> supply unit integrated (placement outside the lightbody)
> protective cover against soiling of reflector and the LED
> toolless ceiling mounting with quick-release springs

MORE
> colours: silver, black, white
> other versions and colours of light and dimmable versions are available on request
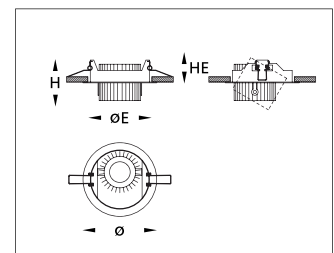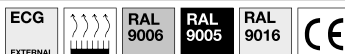
When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

ECG EXTERNAL		MFL	SP	RAL 9016	RAL 9005	RAL 9006	CE

LM	power	CRI	light flux	Kelvin	light colour		OrderNo.
LED	28 W	> 90	2800 lm	3000 K	warm white	2 x 18°	**PAS-ER-5-28-930-MFL**
						2 x 12°	**PAS-ER-5-28-930-SP**
		> 90	3000 lm	4000 K	neutral white	2 x 18°	**PAS-ER-5-28-940-MFL**
						2 x 12°	**PAS-ER-5-28-940-SP**
		> 90	2090 lm		Fashion	2 x 18°	**PAS-ER-5-28-FAS-MFL**
						2 x 12°	**PAS-ER-5-28-FAS-SP**
		> 90	2800 lm		WKW	2 x 18°	**PAS-ER-5-28-WKW-MFL**
						2 x 12°	**PAS-ER-5-28-WKW-SP**

Dimensions mm	kg
ø 168 **H** 152	0,00
øE 160 **HE** 152	

Pavo L

> recessed spotlight with LED-technology
> lamp rotates 355° and light head swivels 65°
> high-quality aluminium reflector for maximum light output and glare-free lighting
> thermal management with passive cooling

DETAILS
> lamp made of aluminium
> supply unit integrated (placement outside the lightbody)
> protective cover against soiling of reflector and the LED
> toolless ceiling mounting with quick-release springs

MORE
> colours: silver, black, white
> other versions and colours of light and dimmable versions are available on request
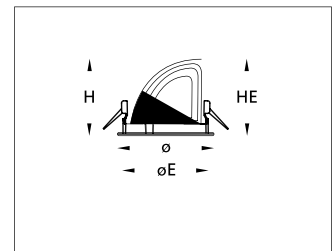
When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG EXTERNAL | 〉〉〉〉 | FL | MFL | SP | RAL 9016 | RAL 9005 | RAL 9006 | CE |

LM	power	CRI	light flux	Kelvin	light colour	▲	OrderNo.
LED	36 W	> 90	3450 lm	3000 K	warm white	2 x 28°	**PAL-ER-5-36-930-FL**
						2 x 18°	**PAL-ER-5-36-930-MFL**
						2 x 12°	**PAL-ER-5-36-930-SP**
		> 90	3750 lm	4000 K	neutral white	2 x 28°	**PAL-ER-5-36-940-FL**
						2 x 18°	**PAL-ER-5-36-940-MFL**
						2 x 12°	**PAL-ER-5-36-940-SP**
		> 90	2600 lm		Fashion	2 x 28°	**PAL-ER-5-36-FAS-FL**
						2 x 18°	**PAL-ER-5-36-FAS-MFL**
						2 x 12°	**PAL-ER-5-36-FAS-SP**
		> 90	3450 lm		WKW	2 x 28°	**PAL-ER-5-36-WKW-FL**
						2 x 18°	**PAL-ER-5-36-WKW-MFL**
						2 x 12°	**PAL-ER-5-36-WKW-SP**
			1650 lm		Food	2 x 28°	**PAL-ER-5-36-Z03-FL**
						2 x 18°	**PAL-ER-5-36-Z03-MFL**
						2 x 12°	**PAL-ER-5-36-Z03-SP**
			2200 lm		Meat	2 x 28°	**PAL-ER-5-36-Z04-FL**
						2 x 18°	**PAL-ER-5-36-Z04-MFL**
						2 x 12°	**PAL-ER-5-36-Z04-SP**
	42 W	> 90	3900 lm	3000 K	warmweiß	2 x 28°	**PAL-ER-5-42-930-FL**
						2 x 18°	**PAL-ER-5-42-930-MFL**
						2 x 12°	**PAL-ER-5-42-930-SP**
		> 90	4250 lm	4000 K	neutralweiß	2 x 28°	**PAL-ER-5-42-940-FL**
						2 x 18°	**PAL-ER-5-42-940-MFL**
						2 x 12°	**PAL-ER-5-42-940-SP**
		> 90	3000 lm		Fashion	2 x 28°	**PAL-ER-5-42-FAS-FL**
						2 x 18°	**PAL-ER-5-42-FAS-MFL**
						2 x 12°	**PAL-ER-5-42-FAS-SP**
		> 90	3900 lm		WKW	2 x 28°	**PAL-ER-5-42-WKW-FL**
						2 x 18°	**PAL-ER-5-42-WKW-MFL**
						2 x 12°	**PAL-ER-5-42-WKW-SP**
			2000 lm		Food	2 x 28°	**PAL-ER-5-42-Z03-FL**
						2 x 18°	**PAL-ER-5-42-Z03-MFL**
						2 x 12°	**PAL-ER-5-42-Z03-SP**
			2350 lm		Meat	2 x 28°	**PAL-ER-5-42-Z04-FL**
						2 x 18°	**PAL-ER-5-42-Z04-MFL**
						2 x 12°	**PAL-ER-5-42-Z04-SP**

Dimensions mm	kg
ø 200 **H** 180	1,20
øE 190 **HE** 180	
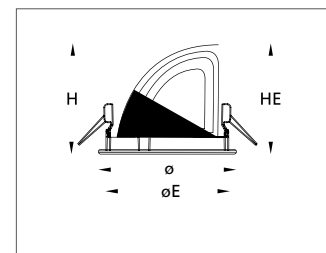
Quadro

Quadro, consistently economical. The Quadro spotlight range has been designed to be built-in. The integrated passive cooling ensures heat management for the optimum lifetime of the lights. The optimised shape and construction of the Quadro range enables, on the one hand, an economic illumination system and, on the other hand, flexible lighting scenarios thanks to the many versions and types.
The focus on high-performance in lighting technology enables particularly efficient lighting solutions. Including protective cover to protect the reflector and LED from dirt.

QCL-SYMMETRICAL

QCL-ASYMMETRICAL

Quadro

> recessed spotlight with LED-technology
> cardan light head swivels 30°
> high-quality aluminium reflector for maximum light output and glare-free lighting
> thermal management with passive cooling

DETAILS
> lamp made of diecast, metal mounting frame
> housing closed at cardan, cardan outside round
> supply unit integrated (placement outside the lightbody)
> protective cover against soiling of reflector and the LED
> toolless ceiling mounting with quick-release springs

MORE
> colours: silver, black, white
> other versions and colours of light and dimmable versions are available on request
> suitable accessories at the end of chapter

When ordering, always specify the desired colour.
At time of print.
*Current technical data and information, see www.rucolicht.de*

| ECG EXTERNAL | FL | MFL | SP | RAL 9005 | RAL 9016 | RAL 9006 | CE |

LM	power	CRI	light flux	Kelvin	light colour	▲▲	OrderNo.
LED	36 W	> 90	3450 lm	3000 K	warm white	2 x 25°	QCLS-EQ-KR-1-5-36-930-FL
						2 x 12°	QCLS-EQ-KR-1-5-36-930-MFL
						2 x 7°	QCLS-EQ-KR-1-5-36-930-SP
		> 90	3750 lm	4000 K	neutral white	2 x 25°	QCLS-EQ-KR-1-5-36-940-FL
						2 x 12°	QCLS-EQ-KR-1-5-36-940-MFL
						2 x 7°	QCLS-EQ-KR-1-5-36-940-SP
		> 90	2600 lm		Fashion	2 x 25°	QCLS-EQ-KR-1-5-36-FAS-FL
						2 x 12°	QCLS-EQ-KR-1-5-36-FAS-MFL
						2 x 7°	QCLS-EQ-KR-1-5-36-FAS-SP
		> 90	3450 lm		WKW	2 x 25°	QCLS-EQ-KR-1-5-36-WKW-FL
						2 x 12°	QCLS-EQ-KR-1-5-36-WKW-MFL
						2 x 7°	QCLS-EQ-KR-1-5-36-WKW-SP
			1650 lm		Food	2 x 25°	QCLS-EQ-KR-1-5-36-Z03-FL
						2 x 12°	QCLS-EQ-KR-1-5-36-Z03-MFL
						2 x 7°	QCLS-EQ-KR-1-5-36-Z03-SP
			2200 lm		Meat	2 x 25°	QCLS-EQ-KR-1-5-36-Z04-FL
						2 x 12°	QCLS-EQ-KR-1-5-36-Z04-MFL
						2 x 7°	QCLS-EQ-KR-1-5-36-Z04-SP
	42 W	> 90	3900 lm	3000 K	warm white	2 x 25°	QCLS-EQ-KR-1-5-42-930-FL
						2 x 12°	QCLS-EQ-KR-1-5-42-930-MFL
						2 x 7°	QCLS-EQ-KR-1-5-42-930-SP
		> 90	4250 lm	4000 K	neutral white	2 x 25°	QCLS-EQ-KR-1-5-42-940-FL
						2 x 12°	QCLS-EQ-KR-1-5-42-940-MFL
						2 x 7°	QCLS-EQ-KR-1-5-42-940-SP
		> 90	3000 lm		Fashion	2 x 25°	QCLS-EQ-KR-1-5-42-FAS-FL
						2 x 12°	QCLS-EQ-KR-1-5-42-FAS-MFL
						2 x 7°	QCLS-EQ-KR-1-5-42-FAS-SP
		> 90	3900 lm		WKW	2 x 25°	QCLS-EQ-KR-1-5-42-WKW-FL
						2 x 12°	QCLS-EQ-KR-1-5-42-WKW-MFL
						2 x 7°	QCLS-EQ-KR-1-5-42-WKW-SP
			2000 lm		Food	2 x 25°	QCLS-EQ-KR-1-5-42-Z03-FL
						2 x 12°	QCLS-EQ-KR-1-5-42-Z03-MFL
						2 x 7°	QCLS-EQ-KR-1-5-42-Z03-SP
			2350 lm		Meat	2 x 25°	QCLS-EQ-KR-1-5-42-Z04-FL
						2 x 12°	QCLS-EQ-KR-1-5-42-Z04-MFL
						2 x 7°	QCLS-EQ-KR-1-5-42-Z04-SP

Dimensions mm **kg**

L 206 **B** 206 **H** 120   2,50

LE 180 **BE** 180 **HE** 125

Quadro

> recessed spotlight with LED-technology
> the 2 cardan light heads swivel 30°
> high-quality aluminium reflector for maximum light output and glare-free lighting
> thermal management with passive cooling

DETAILS
> lamp made of diecast, metal mounting frame
> housing closed at cardan, cardan outside round
> supply unit integrated (placement outside the lightbody)
> protective cover against soiling of reflector and the LED
> toolless ceiling mounting with quick-release springs

MORE
> colours: silver, black, white
> other versions and colours of light and dimmable versions are available on request
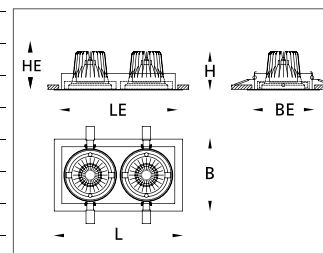> suitable accessories at the end of chapter

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG EXTERNAL | | FL | MFL | SP | RAL 9005 | RAL 9016 | RAL 9006 | CE |

LM power	CRI	light flux	Kelvin	light colour		OrderNo.	Dimensions mm	kg
2 x 36 W	> 90	2 x 3450 lm	3000 K	warm white	2 x 25°	**QCLS-EQ-KR-2-5-36-930-FL**	**L** 367 **B** 206 **H** 120	5,00
LED					2 x 12°	**QCLS-EQ-KR-2-5-36-930-MFL**	**LE** 340 **BE** 180 **HE** 120	
					2 x 7°	**QCLS-EQ-KR-2-5-36-930-SP**		
	> 90	2 x 3750 lm	4000 K	neutral white	2 x 25°	**QCLS-EQ-KR-2-5-36-940-FL**		
					2 x 12°	**QCLS-EQ-KR-2-5-36-940-MFL**		
					2 x 7°	**QCLS-EQ-KR-2-5-36-940-SP**		
	> 90	2 x 2600 lm		Fashion	2 x 25°	**QCLS-EQ-KR-2-5-36-FAS-FL**		
					2 x 12°	**QCLS-EQ-KR-2-5-36-FAS-MFL**		
					2 x 7°	**QCLS-EQ-KR-2-5-36-FAS-SP**		
	> 90	2 x 3450 lm		WKW	2 x 25°	**QCLS-EQ-KR-2-5-36-WKW-FL**		
					2 x 12°	**QCLS-EQ-KR-2-5-36-WKW-MFL**		
					2 x 7°	**QCLS-EQ-KR-2-5-36-WKW-SP**		
		2 x 1650 lm		Food	2 x 25°	**QCLS-EQ-KR-2-5-36-Z03-FL**		
					2 x 12°	**QCLS-EQ-KR-2-5-36-Z03-MFL**		
					2 x 7°	**QCLS-EQ-KR-2-5-36-Z03-SP**		
		2 x 2200 lm		Meat	2 x 25°	**QCLS-EQ-KR-2-5-36-Z04-FL**		
					2 x 12°	**QCLS-EQ-KR-2-5-36-Z04-MFL**		
					2 x 7°	**QCLS-EQ-KR-2-5-36-Z04-SP**		
2 x 42 W	> 90	2 x 3900 lm	3000 K	warm white	2 x 25°	**QCLS-EQ-KR-2-5-42-930-FL**		
					2 x 12°	**QCLS-EQ-KR-2-5-42-930-MFL**		
					2 x 7°	**QCLS-EQ-KR-2-5-42-930-SP**		
	> 90	2 x 4250 lm	4000 K	neutral white	2 x 25°	**QCLS-EQ-KR-2-5-42-940-FL**		
					2 x 12°	**QCLS-EQ-KR-2-5-42-940-MFL**		
					2 x 7°	**QCLS-EQ-KR-2-5-42-940-SP**		
	> 90	2 x 3000 lm		Fashion	2 x 25°	**QCLS-EQ-KR-2-5-42-FAS-FL**		
					2 x 12°	**QCLS-EQ-KR-2-5-42-FAS-MFL**		
					2 x 7°	**QCLS-EQ-KR-2-5-42-FAS-SP**		
	> 90	2 x 3900 lm		WKW	2 x 25°	**QCLS-EQ-KR-2-5-42-WKW-FL**		
					2 x 12°	**QCLS-EQ-KR-2-5-42-WKW-MFL**		
					2 x 7°	**QCLS-EQ-KR-2-5-42-WKW-SP**		
		2 x 2000 lm		Food	2 x 25°	**QCLS-EQ-KR-2-5-42-Z03-FL**		
					2 x 12°	**QCLS-EQ-KR-2-5-42-Z03-MFL**		
					2 x 7°	**QCLS-EQ-KR-2-5-42-Z03-SP**		
		2 x 2350 lm		Meat	2 x 25°	**QCLS-EQ-KR-2-5-42-Z04-FL**		
					2 x 12°	**QCLS-EQ-KR-2-5-42-Z04-MFL**		
					2 x 7°	**QCLS-EQ-KR-2-5-42-Z04-SP**		

Quadro

> recessed spotlight with LED-tecnology
> cardan light head swivels 30°
> high-quality aluminium reflector for maximum light output and glare-free lighting
> thermal management with passive cooling

DETAILS
> lamp made of diecast, metal mounting frame
> cardan outside round
> supply unit integrated (placement outside the lightbody)
> protective cover against soiling of reflector and the LED
> toolless ceiling mounting with quick-release springs

MORE
> colours: silver, black, white
> other versions and colours of light and dimmable versions are available on request
> suitable accessories at the end of chapter

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At time of print.
Current technical data and information, see www.rucolicht.de

| ECG | | FL | MFL | SP | RAL 9006 | RAL 9005 | RAL 9016 | CE |

LM	power	CRI	light flux	Kelvin	light colour		OrderNo.	Dimensions mm	kg
LED	36 W	> 90	3450 lm	3000 K	warm white	2 x 25°	QCL-ER-1-5-36-930-FL	ø 200 **H** 120	1,10
						2 x 12°	QCL-ER-1-5-36-930-MFL	øE 180 **HE** 120	
						2 x 7°	QCL-ER-1-5-36-930-SP		
		> 90	3750 lm	4000 K	neutral white	2 x 25°	QCL-ER-1-5-36-940-FL		
						2 x 12°	QCL-ER-1-5-36-940-MFL		
						2 x 7°	QCL-ER-1-5-36-940-SP		
		> 90	2600 lm		Fashion	2 x 25°	QCL-ER-1-5-36-FAS-FL		
						2 x 12°	QCL-ER-1-5-36-FAS-MFL		
						2 x 7°	QCL-ER-1-5-36-FAS-SP		
		> 90	3450 lm		WKW	2 x 25°	QCL-ER-1-5-36-WKW-FL		
						2 x 12°	QCL-ER-1-5-36-WKW-MFL		
						2 x 7°	QCL-ER-1-5-36-WKW-SP		
			1650 lm		Food	2 x 25°	QCL-ER-1-5-36-Z03-FL		
						2 x 12°	QCL-ER-1-5-36-Z03-MFL		
						2 x 7°	QCL-ER-1-5-36-Z03-SP		
			2200 lm		Meat	2 x 25°	QCL-ER-1-5-36-Z04-FL		
						2 x 12°	QCL-ER-1-5-36-Z04-MFL		
						2 x 7°	QCL-ER-1-5-36-Z04-SP		
	42 W	> 90	3900 lm	3000 K	warm white	2 x 25°	QCL-ER-1-5-42-930-FL		
						2 x 12°	QCL-ER-1-5-42-930-MFL		
						2 x 7°	QCL-ER-1-5-42-930-SP		
		> 90	4250 lm	4000 K	neutral white	2 x 25°	QCL-ER-1-5-42-940-FL		
						2 x 12°	QCL-ER-1-5-42-940-MFL		
						2 x 7°	QCL-ER-1-5-42-940-SP		
		> 90	3000 lm		Fashion	2 x 25°	QCL-ER-1-5-42-FAS-FL		
						2 x 12°	QCL-ER-1-5-42-FAS-MFL		
						2 x 7°	QCL-ER-1-5-42-FAS-SP		
		> 90	3900 lm		WKW	2 x 25°	QCL-ER-1-5-42-WKW-FL		
						2 x 12°	QCL-ER-1-5-42-WKW-MFL		
						2 x 7°	QCL-ER-1-5-42-WKW-SP		
			2000 lm		Food	2 x 25°	QCL-ER-1-5-42-Z03-FL		
						2 x 12°	QCL-ER-1-5-42-Z03-MFL		
						2 x 7°	QCL-ER-1-5-42-Z03-SP		
			2350 lm		Meat	2 x 25°	QCL-ER-1-5-42-Z04-FL		
						2 x 12°	QCL-ER-1-5-42-Z04-MFL		
						2 x 7°	QCL-ER-1-5-42-Z04-SP		
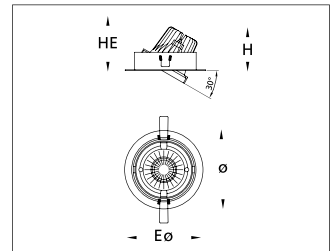
Hagebau Segel - Pfarrkirchen

Quadro

> recessed spotlight with LED-technology
> cardan light head swivels 30°
> high-quality aluminium reflector for maximum light output and glare-free lighting
> thermal management with passive cooling

DETAILS
> lamp made of diecast, metal mounting frame
> cardan outside quadrate
> supply unit integrated (placement outside the lightbody)
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MORE
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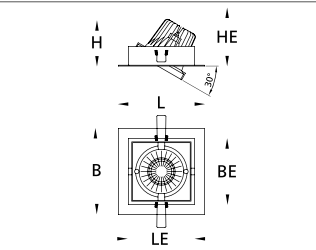> suitable accessories at the end of chapter
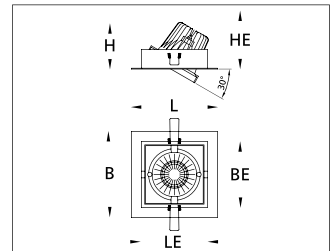
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ECG		FL	MFL	SP	RAL 9006	RAL 9005	RAL 9016	CE

LM	power	CRI	light flux	Kelvin	light colour		OrderNo.	Dimensions mm		kg
LED	36 W	> 90	3450 lm	3000 K	warm white	2 x 25°	QCL-EQ-1-5-36-930-FL	**L** 206 **B** 206 **H** 120		1,10
						2 x 12°	QCL-EQ-1-5-36-930-MFL	**LE** 180 **BE** 180 **HE** 120		
						2 x 7°	QCL-EQ-1-5-36-930-SP			
		> 90	3750 lm	4000 K	neutral white	2 x 25°	QCL-EQ-1-5-36-940-FL			
						2 x 12°	QCL-EQ-1-5-36-940-MFL			
						2 x 7°	QCL-EQ-1-5-36-940-SP			
		> 90	2600 lm		Fashion	2 x 25°	QCL-EQ-1-5-36-FAS-FL			
						2 x 12°	QCL-EQ-1-5-36-FAS-MFL			
						2 x 7°	QCL-EQ-1-5-36-FAS-SP			
		> 90	3450 lm		WKW	2 x 25°	QCL-EQ-1-5-36-WKW-FL			
						2 x 12°	QCL-EQ-1-5-36-WKW-MFL			
						2 x 7°	QCL-EQ-1-5-36-WKW-SP			
			1650 lm		Food	2 x 25°	QCL-EQ-1-5-36-Z03-FL			
						2 x 12°	QCL-EQ-1-5-36-Z03-MFL			
						2 x 7°	QCL-EQ-1-5-36-Z03-SP			
			2200 lm		Meat	2 x 25°	QCL-EQ-1-5-36-Z04-FL			
						2 x 12°	QCL-EQ-1-5-36-Z04-MFL			
						2 x 7°	QCL-EQ-1-5-36-Z04-SP			
	42 W	> 90	3900 lm	3000 K	warm white	2 x 25°	QCL-EQ-1-5-42-930-FL			
						2 x 12°	QCL-EQ-1-5-42-930-MFL			
						2 x 7°	QCL-EQ-1-5-42-930-SP			
		> 90	4250 lm	4000 K	neutral white	2 x 25°	QCL-EQ-1-5-42-940-FL			
						2 x 12°	QCL-EQ-1-5-42-940-MFL			
						2 x 7°	QCL-EQ-1-5-42-940-SP			
		> 90	3000 lm		Fashion	2 x 25°	QCL-EQ-1-5-42-FAS-FL			
						2 x 12°	QCL-EQ-1-5-42-FAS-MFL			
						2 x 7°	QCL-EQ-1-5-42-FAS-SP			
		> 90	3900 lm		WKW	2 x 25°	QCL-EQ-1-5-42-WKW-FL			
						2 x 12°	QCL-EQ-1-5-42-WKW-MFL			
						2 x 7°	QCL-EQ-1-5-42-WKW-SP			
			2000 lm		Food	2 x 25°	QCL-EQ-1-5-42-Z03-FL			
						2 x 12°	QCL-EQ-1-5-42-Z03-MFL			
						2 x 7°	QCL-EQ-1-5-42-Z03-SP			
			2350 lm		Meat	2 x 25°	QCL-EQ-1-5-42-Z04-FL			
						2 x 12°	QCL-EQ-1-5-42-Z04-MFL			
						2 x 7°	QCL-EQ-1-5-42-Z04-SP			

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> lamp made of diecast, metal mounting frame
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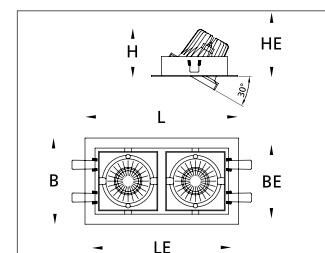
When ordering, always specify the desired colour.
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| ECG | FL MFL SP | RAL 9006 | RAL 9005 | RAL 9016 | CE |

LM LED	power	CRI	light flux	Kelvin	light colour		OrderNo.
	2 x 36 W	> 90	2 x 3450 lm	3000 K	warm white	2 x 25°	**QCL-EQ-2-5-36-930-FL**
						2 x 12°	**QCL-EQ-2-5-36-930-MFL**
						2 x 7°	**QCL-EQ-2-5-36-930-SP**
		> 90	2 x 3750 lm	4000 K	neutral white	2 x 25°	**QCL-EQ-2-5-36-940-FL**
						2 x 12°	**QCL-EQ-2-5-36-940-MFL**
						2 x 7°	**QCL-EQ-2-5-36-940-SP**
		> 90	2 x 2600 lm		Fashion	2 x 25°	**QCL-EQ-2-5-36-FAS-FL**
						2 x 12°	**QCL-EQ-2-5-36-FAS-MFL**
						2 x 7°	**QCL-EQ-2-5-36-FAS-SP**
		> 90	2 x 3450 lm		WKW	2 x 25°	**QCL-EQ-2-5-36-WKW-FL**
						2 x 12°	**QCL-EQ-2-5-36-WKW-MFL**
						2 x 7°	**QCL-EQ-2-5-36-WKW-SP**
			2 x 1650 lm		Food	2 x 25°	**QCL-EQ-2-5-36-Z03-FL**
						2 x 12°	**QCL-EQ-2-5-36-Z03-MFL**
						2 x 7°	**QCL-EQ-2-5-36-Z03-SP**
			2 x 2200 lm		Meat	2 x 25°	**QCL-EQ-2-5-36-Z04-FL**
						2 x 12°	**QCL-EQ-2-5-36-Z04-MFL**
						2 x 7°	**QCL-EQ-2-5-36-Z04-SP**
	2 x 42 W	> 90	2 x 3900 lm	3000 K	warm white	2 x 25°	**QCL-EQ-2-5-42-930-FL**
						2 x 12°	**QCL-EQ-2-5-42-930-MFL**
						2 x 7°	**QCL-EQ-2-5-42-930-SP**
		> 90	2 x 4250 lm	4000 K	neutral white	2 x 25°	**QCL-EQ-2-5-42-940-FL**
						2 x 12°	**QCL-EQ-2-5-42-940-MFL**
						2 x 7°	**QCL-EQ-2-5-42-940-SP**
		> 90	2 x 3000 lm		Fashion	2 x 25°	**QCL-EQ-2-5-42-FAS-FL**
						2 x 12°	**QCL-EQ-2-5-42-FAS-MFL**
						2 x 7°	**QCL-EQ-2-5-42-FAS-SP**
		> 90	2 x 3900 lm		WKW	2 x 25°	**QCL-EQ-2-5-42-WKW-FL**
						2 x 12°	**QCL-EQ-2-5-42-WKW-MFL**
						2 x 7°	**QCL-EQ-2-5-42-WKW-SP**
			2 x 2000 lm		Food	2 x 25°	**QCL-EQ-2-5-42-Z03-FL**
						2 x 12°	**QCL-EQ-2-5-42-Z03-MFL**
						2 x 7°	**QCL-EQ-2-5-42-Z03-SP**
			2 x 2350 lm		Meat	2 x 25°	**QCL-EQ-2-5-42-Z04-FL**
						2 x 12°	**QCL-EQ-2-5-42-Z04-MFL**
						2 x 7°	**QCL-EQ-2-5-42-Z04-SP**

Dimensions mm	kg
L 367 **B** 206 **H** 120	2,10
LE 340 **BE** 180 **HE** 120	

Quadro

> recessed spotlight with LED-technology
> cardan light head swivels 30° and additional pivotally in an axis 60° out
> high-quality aluminium reflector for maximum light output and glare-free lighting
> thermal management with passive cooling

DETAILS
> lamp made of diecast, metal mounting frame
> cardan outside quadrate
> supply unit integrated (placement outside the lightbody)
> protective cover against soiling of reflector and the LED
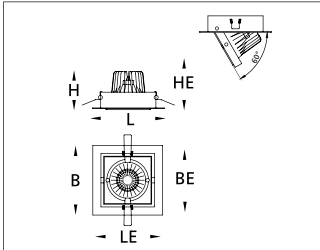> toolless ceiling mounting with quick-release springs

MORE
> colours: silver, black, white
> other versions and colours of light and dimmable versions are available on request
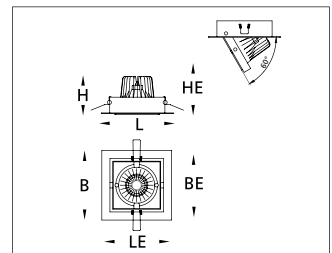> suitable accessories at the end of chapter

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG | FL | MFL | SP | RAL 9006 | RAL 9005 | RAL 9016 | CE |

LM	power	CRI	light flux	Kelvin	light colour		OrderNo.
LED	36 W	> 90	3450 lm	3000 K	warm white	2 x 25°	QCL-EQ-1-5-ASY-36-930-FL
						2 x 12°	QCL-EQ-1-5-ASY-36-930-MFL
						2 x 7°	QCL-EQ-1-5-ASY-36-930-SP
		> 90	3750 lm	4000 K	neutral white	2 x 25°	QCL-EQ-1-5-ASY-36-940-FL
						2 x 12°	QCL-EQ-1-5-ASY-36-940-MFL
						2 x 7°	QCL-EQ-1-5-ASY-36-940-SP
		> 90	2600 lm		Fashion	2 x 25°	QCL-EQ-1-5-ASY-36-FAS-FL
						2 x 12°	QCL-EQ-1-5-ASY-36-FAS-MFL
						2 x 7°	QCL-EQ-1-5-ASY-36-FAS-SP
		> 90	3450 lm		WKW	2 x 25°	QCL-EQ-1-5-ASY-36-WKW-FL
						2 x 12°	QCL-EQ-1-5-ASY-36-WKW-MFL
						2 x 7°	QCL-EQ-1-5-ASY-36-WKW-SP
			1650 lm		Food	2 x 25°	QCL-EQ-1-5-ASY-36-Z03-FL
						2 x 12°	QCL-EQ-1-5-ASY-36-Z03-MFL
						2 x 7°	QCL-EQ-1-5-ASY-36-Z03-SP
			2200 lm		Meat	2 x 25°	QCL-EQ-1-5-ASY-36-Z04-FL
						2 x 12°	QCL-EQ-1-5-ASY-36-Z04-MFL
						2 x 7°	QCL-EQ-1-5-ASY-36-Z04-SP
	42 W	> 90	3900 lm	3000 K	warm white	2 x 25°	QCL-EQ-1-5-ASY-42-930-FL
						2 x 12°	QCL-EQ-1-5-ASY-42-930-MFL
						2 x 7°	QCL-EQ-1-5-ASY-42-930-SP
		> 90	4250 lm	4000 K	neutral white	2 x 25°	QCL-EQ-1-5-ASY-42-940-FL
						2 x 12°	QCL-EQ-1-5-ASY-42-940-MFL
						2 x 7°	QCL-EQ-1-5-ASY-42-940-SP
		> 90	3000 lm		Fashion	2 x 25°	QCL-EQ-1-5-ASY-42-FAS-FL
						2 x 12°	QCL-EQ-1-5-ASY-42-FAS-MFL
						2 x 7°	QCL-EQ-1-5-ASY-42-FAS-SP
		> 90	3900 lm		WKW	2 x 25°	QCL-EQ-1-5-ASY-42-WKW-FL
						2 x 12°	QCL-EQ-1-5-ASY-42-WKW-MFL
						2 x 7°	QCL-EQ-1-5-ASY-42-WKW-SP
			2000 lm		Food	2 x 25°	QCL-EQ-1-5-ASY-42-Z03-FL
						2 x 12°	QCL-EQ-1-5-ASY-42-Z03-MFL
						2 x 7°	QCL-EQ-1-5-ASY-42-Z03-SP
			2350 lm		Meat	2 x 25°	QCL-EQ-1-5-ASY-42-Z04-FL
						2 x 12°	QCL-EQ-1-5-ASY-42-Z04-MFL
						2 x 7°	QCL-EQ-1-5-ASY-42-Z04-SP

Dimensions mm | **kg**

L 206 **B** 206 **H** 120 | 1,10

LE 180 **BE** 180 **HE** 120

Quadro

> recessed spotlight with LED-technology
> cardan light head swivels 30° and additional pivotally in an axis 60° out
> high-quality aluminium reflector for maximum light output and glare-free lighting
> thermal management with passive cooling

DETAILS
> lamp made of diecast, metal mounting frame
> cardan outside quadrate
> supply unit integrated (placement outside the lightbody)
> protective cover against soiling of reflector and the LED
> toolless ceiling mounting with quick-release springs

MORE
> colours: silver, black, white
> other versions and colours of light and dimmable versions are available on request
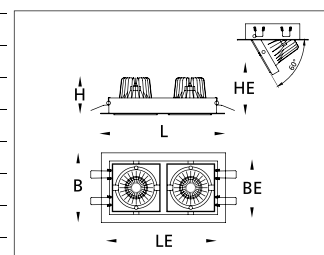> suitable accessories at the end of chapter

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG | | FL | MFL | SP | RAL 9006 | RAL 9005 | RAL 9016 | CE |

LM	power	CRI	light flux	Kelvin	light colour		OrderNo.	Dimensions mm	kg
LED	2 x 36 W	> 90	2 x 3450 lm	3000 K	warm white	2 x 25°	QCL-EQ-2-5-ASY-36-930-FL	**L** 367 **B** 206 **H** 120	2,10
						2 x 12°	QCL-EQ-2-5-ASY-36-930-MFL	**LE** 340 **BE** 180 **HE** 120	
						2 x 7°	QCL-EQ-2-5-ASY-36-930-SP		
		> 90	2 x 3750 lm	4000 K	neutral white	2 x 25°	QCL-EQ-2-5-ASY-36-940-FL		
						2 x 12°	QCL-EQ-2-5-ASY-36-940-MFL		
						2 x 7°	QCL-EQ-2-5-ASY-36-940-SP		
		> 90	2 x 2600 lm		Fashion	2 x 25°	QCL-EQ-2-5-ASY-36-FAS-FL		
						2 x 12°	QCL-EQ-2-5-ASY-36-FAS-MFL		
						2 x 7°	QCL-EQ-2-5-ASY-36-FAS-SP		
		> 90	2 x 3450 lm		WKW	2 x 25°	QCL-EQ-2-5-ASY-36-WKW-FL		
						2 x 12°	QCL-EQ-2-5-ASY-36-WKW-MFL		
						2 x 7°	QCL-EQ-2-5-ASY-36-WKW-SP		
			2 x 1650 lm		Food	2 x 25°	QCL-EQ-2-5-ASY-36-Z03-FL		
						2 x 12°	QCL-EQ-2-5-ASY-36-Z03-MFL		
						2 x 7°	QCL-EQ-2-5-ASY-36-Z03-SP		
			2 x 2200 lm		Meat	2 x 25°	QCL-EQ-2-5-ASY-36-Z04-FL		
						2 x 12°	QCL-EQ-2-5-ASY-36-Z04-MFL		
						2 x 7°	QCL-EQ-2-5-ASY-36-Z04-SP		
	2 x 42 W	> 90	2 x 3900 lm	3000 K	warm white	2 x 25°	QCL-EQ-2-5-ASY-42-930-FL		
						2 x 12°	QCL-EQ-2-5-ASY-42-930-MFL		
						2 x 7°	QCL-EQ-2-5-ASY-42-930-SP		
		> 90	2 x 4250 lm	4000 K	neutral white	2 x 25°	QCL-EQ-2-5-ASY-42-940-FL		
						2 x 12°	QCL-EQ-2-5-ASY-42-940-MFL		
						2 x 7°	QCL-EQ-2-5-ASY-42-940-SP		
		> 90	2 x 3000 lm		Fashion	2 x 25°	QCL-EQ-2-5-ASY-42-FAS-FL		
						2 x 12°	QCL-EQ-2-5-ASY-42-FAS-MFL		
						2 x 7°	QCL-EQ-2-5-ASY-42-FAS-SP		
		> 90	2 x 4250 lm		WKW	2 x 25°	QCL-EQ-2-5-ASY-42-WKW-FL		
						2 x 12°	QCL-EQ-2-5-ASY-42-WKW-MFL		
						2 x 7°	QCL-EQ-2-5-ASY-42-WKW-SP		
			2 x 2000 lm		Food	2 x 25°	QCL-EQ-2-5-ASY-42-Z03-FL		
						2 x 12°	QCL-EQ-2-5-ASY-42-Z03-MFL		
						2 x 7°	QCL-EQ-2-5-ASY-42-Z03-SP		
			2 x 2350 lm		Meat	2 x 25°	QCL-EQ-2-5-ASY-42-Z04-FL		
						2 x 12°	QCL-EQ-2-5-ASY-42-Z04-MFL		
						2 x 7°	QCL-EQ-2-5-ASY-42-Z04-SP		

Focco Mini

> recessed spotlight with LED-technology
> light head swivels 30°
> high-quality aluminium reflector for maximum light output and glare-free lighting
> thermal management with passive cooling

DETAILS
> lamp made of diecast
> supply unit integrated (placement outside the lightbody)
> toolless ceiling mounting with quick-release springs

MORE
> colours: silver, black, white
> other versions and colours of light and dimmable versions are available on request

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

ECG EXTERNAL	MFL	RAL 9005	RAL 9006	RAL 9016	CE

LM	power	CRI	light flux	Kelvin	light colour		OrderNo.
LED	11 W	> 80	950 lm	2700 K	warm white	2 x 11°	**FK-110-ER-5-11-2700-MFL**
		> 80	1000 lm	3000 K		2 x 11°	**FK-110-ER-5-11-3000-MFL**
		> 80	1050 lm	4000 K	neutral white	2 x 11°	**FK-110-ER-5-11-4000-MFL**

Dimensions mm		kg
ø 107 **H** 57		0,30
øE 95 **HE** 60		

Bakery Pappert - Fulda

Miled I

> recessed spotlight with LED-technology
> light head rotates, swivels 30°

DETAILS
> lamp made of diecast
> bulb to be ordered separately
> supply unit integrated to be ordered separately (placement outside the lightbody)
> toolless ceiling mounting with quick-release springs

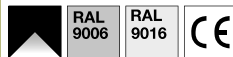## MORE
> colours: silver, white
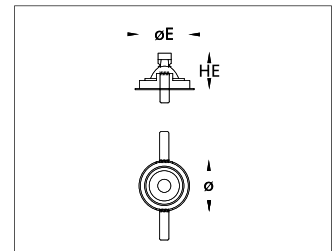> other versions and colours of light and dimmable versions are available on request

When ordering, always specify the desired colour.
At time of print.
*Current technical data and information, see www.rucolicht.de*

RAL 9006	RAL 9016	CE

ROUND SINGLE

LM	power	OrderNo.
LED	4,5 - 7 W	**KR-ER-1**

Dimensions mm			kg
L 88	**B** 88	**H** 60	0,30
øE 82	**HE** 52		

SQUARE SINGLE

LM	power	OrderNo.
LED	4,5 - 7 W	**KR-EQ-1**

Dimensions mm			kg
L 90	**B** 90	**H** 60	0,30
øE 82	**HE** 58		
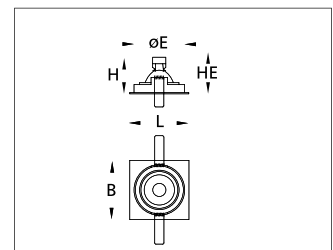
DRIVER SECONDARY

power	description	OrderNo.
40 W	dimmable	**TR-E-40-20-5**
60 W	not dimmable	**TR-E-60-20-5**

LED-RETROFIT

description	power	Kelvin		OrderNo.
LED spot Retrofit, MR	4,5 W	2700 K	24°	**LED-CBC51-04-24-MFL**
16 dimmable	7 W	2700 K	24°	**LED-CBC51-07-24-MFL**
	7 W	2700 K	36°	**LED-CBC51-07-36-FL**

Miled II

> recessed spotlight with LED-technology
> light head rotates, swivels 30°

DETAILS
> lamp made of diecast
> bulb to be ordered separately
> supply unit integrated to be ordered separately (placement outside the lightbody)
> toolless ceiling mounting with quick-release springs

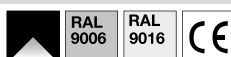**MORE**
> colours: silver, white
> other versions and colours of light and dimmable versions are available on request

When ordering, always specify the desired colour.
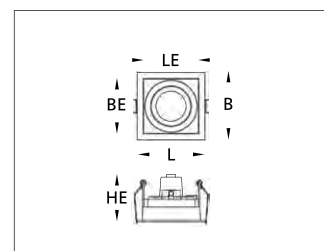*At time of print.*
Current technical data and information, see www.rucolicht.de

RAL 9006　RAL 9016　CE

SQUARE SINGLE

LM	power	OrderNo.
LED	4,5 - 7 W	**KRL-EQ-1**

Dimensions mm	kg
L 90 **B** 90 **H** 60	0,30
LE 82 **BE** 82 **HE** 90	

SQUARE DOUBLE

LM	power	OrderNo.
LED	4,5 - 7 W	**KRL-EQ-2**

Dimensions mm	kg
L 165 **B** 90 **H** 60	0,60
LE 158 **BE** 82 **HE** 90	

DRIVER SECONDARY

power	description	OrderNo.
40 W	dimmable	**TR-E-40-20-5**
60 W	not dimmable	**TR-E-60-20-5**

LED-RETROFIT

description	power	Kelvin		OrderNo.
LED spot Retrofit, MR 16 dimmable	4,5 W	2700 K	24°	**LED-CBC51-04-24-MFL**
	7 W	2700 K	24°	**LED-CBC51-07-24-MFL**
	7 W	2700 K	36°	**LED-CBC51-07-36-FL**

Flash

> recessed wallwasher with LED-technology
> light head 18° swivelling with position locking
> high-quality aluminium reflector with asymmetrical light distribution for homogenous illumination of vertival surfaces
> thermal management with passive cooling

DETAILS
> lamp made of metal
> supply unit integrated (placement outside the light body)
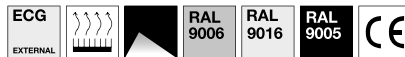> toolless ceiling mounting with quick-release springs

MORE
> colours: silver, black, white
> other versions and colours of light and dimmable versions are available on request

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG EXTERNAL | | | RAL 9006 | RAL 9016 | RAL 9005 | CE |

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.
LED	28 W	> 90	2800 lm	3000 K	warm white	**QVL-EQ-5-28-930**
		> 90	3000 lm	4000 K	neutral white	**QVL-EQ-5-28-940**
		> 90	2090 lm		Fashion	**QVL-EQ-5-28-FAS**
			2800 lm		WKW	**QVL-EQ-5-28-WKW**
	36 W	> 90	3450 lm	3000 K	warm white	**QVL-EQ-5-36-930**
		> 90	3750 lm	4000 K	neutral white	**QVL-EQ-5-36-940**
		> 90	2600 lm		Fashion	**QVL-EQ-5-36-FAS**
			3450 lm		WKW	**QVL-EQ-5-36-WKW**
			1650 lm		Food	**QVL-EQ-5-36-Z03**
			2200 lm		Meat	**QVL-EQ-5-36-Z04**

| Dimensions mm	kg
L 245 **B** 205 **H** 105	1,90
LE 225 **BE** 185 **HE** 105	
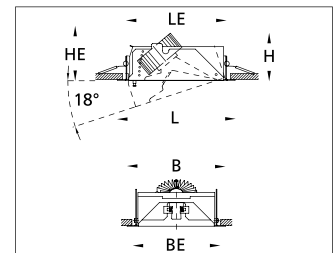
Rewe Stolper - Sassendorf

Orbit

Orbit is a very high quality modular LED lighting system. The light engine is the central component of the system. The integrated passive cooling is coordinated for the two performance levels of 8 and 15 Watt. The lighting colour may be selected from 2700 and 3000 Kelvin. The external driver, thus the electronic supply unit, is included along with the protective cover that protects against contamination of the reflector and LED.

ORB-ER-11

ORB-ER-01

ORB-ER-10

ORB-ER-02

ORB-ER-20

ORB-EQ-10

ORB-ER-00

Z-OR-Tubus
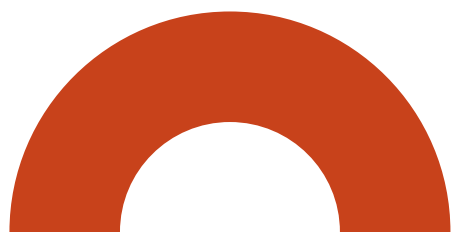
The high-quality installation frames are available in various sizes and looks are mechanically connected to the light engine by way of snap-in technology.
The Orbit light system is completed by a black tube which may optionally be used with all installation frames and offers optimum limitation of direct glare.

Orbit

> modular LED light system
> Light-Engine with snap-in technology for tool-free, mechanical connetion to the mounting freame or the tube
> high-quality reflector for maximum light output and glare-free lighting
> thermal management with passive cooling

DETAILS
> Light-Engine and mounting frame made of diecast
> supply unit integrated (placement outside the lightbody)
> protective cover against soiling of reflector and the LED
> toolless ceiling mounting with quick-release springs

MORE
> colours: white
> tubus exempting black thermoplastic
> other versions and colours of light and dimmable versions are available on request

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

ROUND, ROTATES AND SWIVELS, CARDAN STORED

LM	power	CRI	light flux	Kelvin	light colour		OrderNo.	Dimensions mm		kg
LED	8 W	> 80		2700 K	warm white	2 x 19°	**ORB-ER-11-WS-08-827-5-MFL**	**ø** 90 **H** 28		0,13
		> 80	600 lm	3000 K		2 x 19°	**ORB-ER-11-WS-08-830-5-MFL**	**øE** 80 **HE** 95		
	15 W	> 80		2700 K		2 x 19°	**ORB-ER-11-WS-15-827-5-MFL**			
		> 80	1140 lm	3000 K		2 x 19°	**ORB-ER-11-WS-15-830-5-MFL**			

ROUND, ROTATES AND SWIVELS, CARDAN STORED

LM	power	CRI	light flux	Kelvin	light colour		OrderNo.	Dimensions mm		kg
LED	8 W	> 80		2700 K	warm white	2 x 19°	**ORB-ER-10-WS-08-827-5-MFL**	**ø** 78 **H** 28		0,06
		> 80	600 lm	3000 K		2 x 19°	**ORB-ER-10-WS-08-830-5-MFL**	**øE** 68 **HE** 95		
	15 W	> 80		2700 K		2 x 19°	**ORB-ER-10-WS-15-827-5-MFL**			
		> 80	1140 lm	3000 K		2 x 19°	**ORB-ER-10-WS-15-830-5-MFL**			

ROUND, ASYMMETRICAL, ROTATES

LM	power	CRI	light flux	Kelvin	light colour		OrderNo.	Dimensions mm		kg
LED	8 W	> 80		2700 K	warm white	2 x 19°	**ORB-ER-20-WS-08-0827-5-MFL**	**ø** 86 **H** 43		0,10
		> 80	600 lm	3000 K		2 x 19°	**ORB-ER-20-WS-08-830-5-MFL**	**øE** 68 **HE** 120		
	15 W	> 80		2700 K		2 x 19°	**ORB-ER-20-WS-15-827-5-MFL**			
		> 80	1140 lm	3000 K		2 x 19°	**ORB-ER-20-WS-15-830-5-MFL**			

ROUND, SET BACK, FIXED VERSION, SMALL VENEER

LM	power	CRI	light flux	Kelvin	light colour		OrderNo.	Dimensions mm		kg
LED	8 W	> 80		2700 K	warm white	2 x 19°	**ORB-ER-00-WS-08-827-5-MFL**	ø 82 **H** 53		0,10
		> 80	600 lm	3000 K		2 x 19°	**ORB-ER-00-WS-08-830-5-MFL**	øE 76 **HE** 130		
	15 W	> 80		2700 K		2 x 19°	**ORB-ER-00-WS-15-827-5-MFL**			
		> 80	1140 lm	3000 K		2 x 19°	**ORB-ER-00-WS-15-830-5-MFL**			

ROUND, FIXED VERSION, GLASS TOP WITH WHITE BORDER

LM	power	CRI	light flux	Kelvin	light colour		OrderNo.	Dimensions mm		kg
LED	8 W	> 80		2700 K	warm white	2 x 19°	**ORB-ER-01-WS-08-827-5-MFL**	ø 65 **H** 21		0,04
		> 80	600 lm	3000 K		2 x 19°	**ORB-ER-01-WS-08-830-5-MFL**	øE 58 **HE** 95		
	15 W	> 80		2700 K		2 x 19°	**ORB-ER-01-WS-15-827-5-MFL**			
		> 80	1140 lm	3000 K		2 x 19°	**ORB-ER-01-WS-15-830-5-MFL**			

ROUND, FIXED VERSION, GLASS TOP WITH BLACK BORDER

LM	power	CRI	light flux	Kelvin	light colour		OrderNo.	Dimensions mm		kg
LED	8 W	> 80		2700 K	warm white	2 x 19°	**ORB-ER-02-SW-08-827-5-MFL**	ø 65 **H** 21		0,04
		> 80	600 lm	3000 K		2 x 19°	**ORB-ER-02-SW-08-830-5-MFL**	øE 58 **HE** 95		
	15 W	> 80		2700 K		2 x 19°	**ORB-ER-02-SW-15-827-5-MFL**			
		> 80	1140 lm	3000 K		2 x 19°	**ORB-ER-02-SW-15-830-5-MFL**			

QUADRATE, CARDAN STORED

LM	power	CRI	light flux	Kelvin	light colour		OrderNo.	Dimensions mm		kg
LED	8 W	> 80		2700 K	warm white	2 x 19°	**ORB-EQ-10-WS-08-827-5-MFL**	**L** 90 **B** 90 **H** 28		0,14
		> 80	600 lm	3000 K		2 x 19°	**ORB-EQ-10-WS-08-830-5-MFL**	**LE** 80 **BE** 80 **HE** 41		
	15 W	> 80		2700 K		2 x 19°	**ORB-EQ-10-WS-15-827-5-MFL**			
		> 80	1140 lm	3000 K		2 x 19°	**ORB-EQ-10-WS-15-830-5-MFL**			

OrderNo.
Z-OR-Tubus-SW

Tubo Accessories

> Accessories suitable for series Tubo
> track spotlights
> reccessed spotlights

At time of print.
Current technical data and information, see www.rucolicht.de

description	OrderNo.
reception set for fresnal lens and anti-glare tubus, black	**Z-BZ-TH-LED-SET**

description	OrderNo.
anti-glare tubus, black, ø 68 mm conical, length 160 mm (reception set Z-BZ-TH-LED-SET required)	**Z-BZ-TH-LED-AT**

description	OrderNo.
fresnel lens oval flood, swiveling, ø 68 mm, 3 mm (reception set Z-BZ-TH-LED-SET required)	**Z-BZ-TH-LED-FES**

description	OrderNo.
fresnel lens oval flood, swiveling, ø 68 mm, 3 mm (reception set Z-BZ-TH-LED-SET required)	**Z-BZ-TH-LED-FEO**

description	OrderNo.
clear acrylic glass, ø 68 mm, 3mm (reception set Z-BZ-TH-LED-Set required)	**Z-BZ-TH-LED-AC**

Quadro
Accessories

> Accessories suitable for series Quadro
> Quadro track spotlights and reccessed spotlights
> Pola track spotlight
> Clippo track spotlight
> Facto track spotlight

At time of print.
Current technical data and information, see www.rucolicht.de
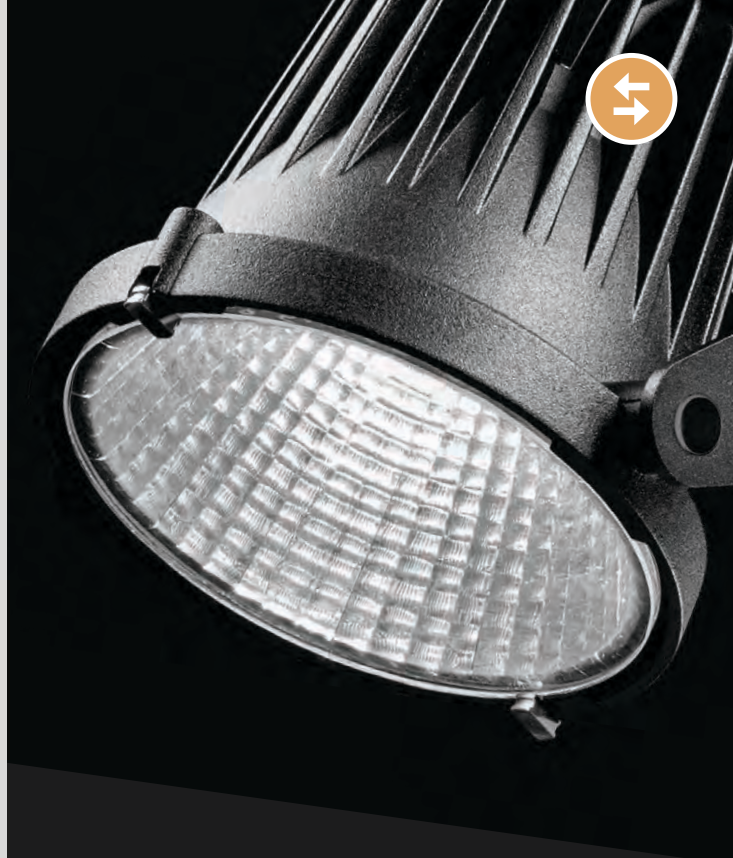
description	OrderNo.
honey comb grid, black, toolless mountable	**Z-QCL-WR**

description	OrderNo.
fresnel lens oval flood, swiveling, diameter 112 mm, 3 mm	**Z-QCL-LED-RG**
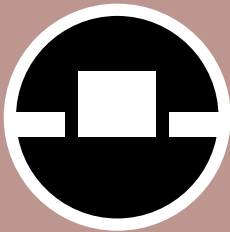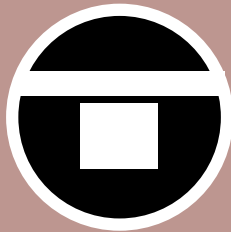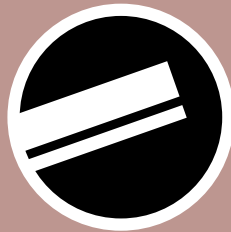
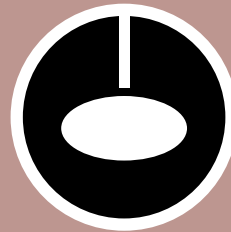**RECESSED**   **MOUNTED**   **TRACK**   **SUSPENDED**

Focco 108	**Cono** 109	**Cono** 110	**Stella** 112	**Tubo** 113
Vision 116	**Vision** 117	**Vision** 118	**Vision** 119	**Vision** 120
Vision 122	**Vision** 123	**Vision** 124	**Vision** 125	**Vision** 126

LED
DOWN
LIGHTS

Focco

Focco is a decorative downlight range with an elegant appearance. Accents may be set using a variety of different décor elements or rings. Focco is put into use wherever there are high demands made of design and performance. The integrated passive cooling ensures heat management for the optimum lifetime of the LED.

High-quality aluminium reflectors guarantee a maximum of lighting performance as well as optimum diffusion and high lighting quality.

Focco

> recessed downlight with LED-technology for general lighting
> high-quality aluminium reflector
> thermal management with passive cooling

DETAILS
> lamp made of diecast
> supply unit integrated
> toolless ceiling mounting with quick-release springs

MORE
> colours decoring: silver, white
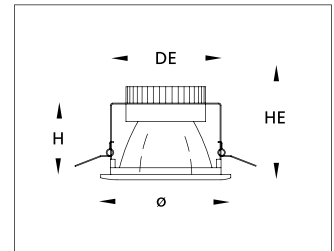
When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

middle reflector **without glass** **satinated glass**

| ECG | | | RAL 9016 | RAL 9006 | CE |

	power	CRI	light flux	Kelvin	light colour	ceiling ring	OrderNo.
LED	11 W	> 80	1050 lm	3000 K	warm white	middle reflector	**FK-200-ER-5-11-3000-DI**
						without glass	**FK-200-ER-5-11-3000-DR**
						satinated glass	**FK-200-ER-5-11-3000-DS**
				4000 K	neutral white	middle reflector	**FK-200-ER-5-11-4000-DI**
						without glass	**FK-200-ER-5-11-4000-DR**
						satinated glass	**FK-200-ER-5-11-4000-DS**
	19 W	> 80	1920 lm	3000 K	warm white	middle reflector	**FK-200-ER-5-19-3000-DI**
						without glass	**FK-200-ER-5-19-3000-DR**
						satinated glass	**FK-200-ER-5-19-3000-DS**
				4000 K	neutral white	middle reflector	**FK-200-ER-5-19-4000-DI**
						without glass	**FK-200-ER-5-19-4000-DR**
						satinated glass	**FK-200-ER-5-19-4000-DS**

Dimensions inch		kg
ø 195 **H** 135		1,20
øE 180 **HE** 135		

Cono

> recessed downlight with LED-technology for general lighting
> high-quality aluminium reflector
> thermal management with passive cooling

DETAILS
> lamp made of metal
> supply unit integrated (placement outside the light body)
> toolless ceiling mounting with quick-release springs

MORE
> colours: silver, white
> other versions and colours of light and dimmable versions are available on request

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| clear glass | without glass | satinated glass |

ECG | RAL 9016 | RAL 9006 | CE

REFLECTOR SYMMETRICAL

| LM	power	CRI	light flux	Kelvin	light colour	ceiling ring	OrderNo.	Dimensions mm	kg
LED	15 W	> 80	1777 lm	3000 K	warm white	clear glass	PBL-ER-5-15-830-sym-DK	ø 190 H 145	1,00
						without glass	PBL-ER-5-15-830-sym-DR	øE 170 HE 140	
						satinated glass	PBL-ER-5-15-830-sym-DS		
		> 80	1852 lm	4000 K	neutral white	clear glass	PBL-ER-5-15-840-sym-DK		
						without glass	PBL-ER-5-15-840-sym-DR		
						satinated glass	PBL-ER-5-15-840-sym-DS		
	29 W	> 80	3254 lm	3000 K	warm white	clear glass	PBL-ER-5-29-830-sym-DK		
						without glass	PBL-ER-5-29-830-sym-DR		
						satinated glass	PBL-ER-5-29-830-sym-DS		
		> 80	3393 lm	4000 K	neutral white	clear glass	PBL-ER-5-29-840-sym-DK		
						without glass	PBL-ER-5-29-840-sym-DR		
						satinated glass	PBL-ER-5-29-840-sym-DS		
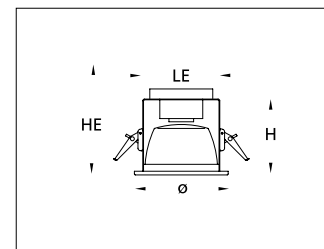
REFLECTOR ASYMMETRICAL

LM	power	CRI	light flux	Kelvin	light colour	ceiling ring	OrderNo.	Dimensions inch	kg
LED	15 W	> 80	1777 lm	3000 K	warm white	clear glass	PBL-ER-5-15-830-asym-DK	ø 190 H 150	1,00
						without glass	PBL-ER-5-15-830-asym-DR	øE 170 HE 145	
						satinated glass	PBL-ER-5-15-830-asym-DS		
		> 80	1852 lm	4000 K	neutral white	clear glass	PBL-ER-5-15-840-asym-DK		
						without glass	PBL-ER-5-15-840-asym-DR		
						satinated glass	PBL-ER-5-15-840-asym-DS		
	29 W	> 80	3254 lm	3000 K	warm white	clear glass	PBL-ER-5-29-830-asym-DK		
						without glass	PBL-ER-5-29-830-asym-DR		
						satinated glass	PBL-ER-5-29-830-asym-DS		
		> 80	3393 lm	4000 K	neutral white	clear glass	PBL-ER-5-29-840-asym-DK		
						without glass	PBL-ER-5-29-840-asym-DR		
						satinated glass	PBL-ER-5-29-840-asym-DS		
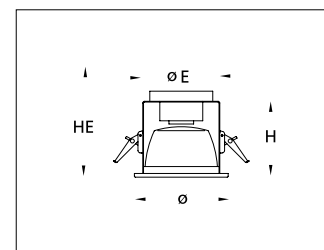
Cono

> recessed downlight with LED-technology for general lighting
> heavy light High-Power downlight
> high-quality aluminium reflector satinated
> thermal management with passive cooling

DETAILS
> lamp made of metal
> supply unit integrated
> decor rings to be ordered separately
> toolless ceiling mounting with quick-release springs

MORE
> colours: silver, white
> other versions and colours of light and dimmable versions are available on request

When ordering, always specify the desired colour.
*At time of print.*
Current technical data and information, see www.rucolicht.de

| ECG | | | RAL 9006 | RAL 9016 | CE |

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.
LED	36 W	> 80	3800 lm	3000 K	warm white	**UREL-E-36-830-5**
		> 80	4050 lm	4000 K	neutral white	**UREL-E-36-840-5**
	42 W	> 80	4400 lm	3000 K	warm white	**UREL-E-42-830-5**
		> 80	4600 lm	4000 K	neutral white	**UREL-E-42-840-5**

Dimensions mm	kg
ø 220 **H** 125	1,90
øE 195 **HE** 130	
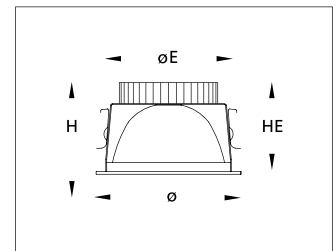
Furniture Centrale - Penzberg

Stella

> recessd downlight with LED-technolgy in protection IP44
> light from thermoplastic, making it ideal for outdoor use
> high-quality reflector chemically vapor deposited thermoplastic
> thermal management with passive cooling

DETAILS
> lamp made of thermoplastic
> supply unit integrated (placement outside the light body)
> toolless ceiling mounting with quick-release springs

MORE
> colours: white, grey
> other versions and colours of light and dimmable versions are available on request

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG EXTERNAL | | | RAL 9016 | RAL 7045 | CE |

SNAP DISC CLEAR

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.
LED	38 W	> 80	2700 lm	3000 K	warm white	**PCL-ER-5-38-830-DK**
		> 80	2780 lm	4000 K	neutral white	**PCL-ER-5-38-840-DK**

Dimensions mm	kg
ø 172 **H** 115	0,95
øE 160 **HE** 200	
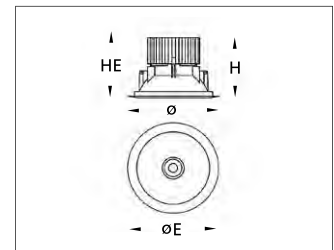
SNAP DISC MAT

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.
LED	38 W	> 80	2700 lm	3000 K	warm white	**PCL-ER-5-38-830-DS**
		> 80	2780 lm	4000 K	neutral white	**PCL-ER-5-38-840-DS**

Dimensions inch	kg
ø 172 **H** 115	0,95
øE 160 **HE** 200	
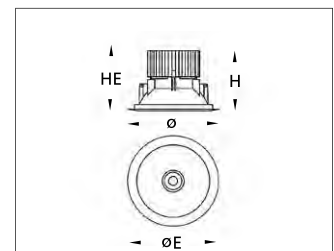
Tubo

> recessed LED downlight with LED-technology
> optical system, plan-konvex-lens for homogeneous luminainre distribution
> thermal management with passive cooling

DETAILS
> lamp made of aluminium, metal mounting frame
> supply unit integrated (placement outside the lightbody)
> toolless ceiling mounting with quick-release springs
> light distribution wide

MORE
> colours: silver, black, white
> other versions and colours of light and dimmable versions are available on request

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG | | | RAL 9006 | RAL 9005 | RAL 9016 | CE |

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.
LED	20 W	> 80	2075 lm	3000 K	warm white	**QMO-ES-5-20-830**
		> 80	2245 lm	4000 K	neutral white	**QMO-ES-5-20-840**
	28 W	> 80	2800 lm	3000 K	warm white	**QMO-ES-5-28-830**
		> 80	3000 lm	4000 K	neutral white	**QMO-ES-5-28-840**
		> 90	2090 lm		Fashion	**QMO-ES-5-28-FAS**

Dimensions inch		kg
ø 140 **H** 113		1,90
øE 120 **HE** 110		

VISION as recessed light

Rotate reflector - fix light direction
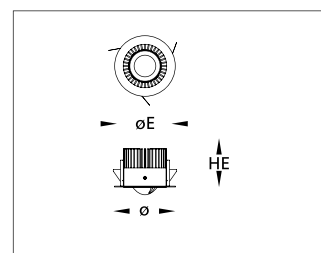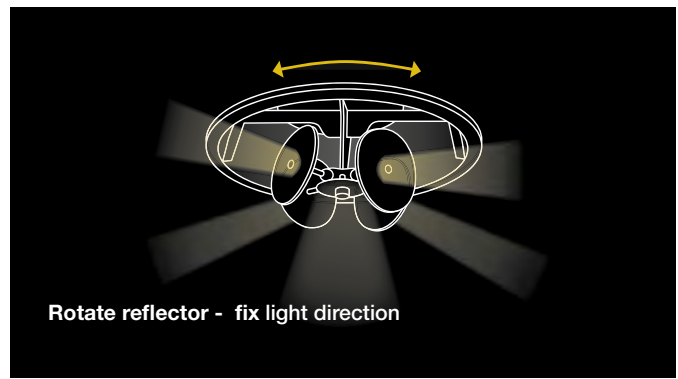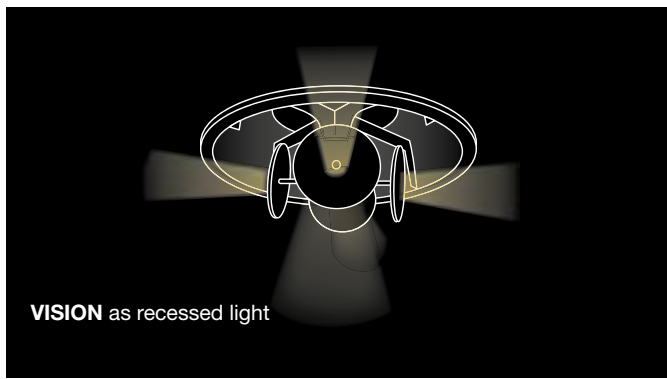
Vision

VisionLED represents five effective lighting effects from a single light source. This „bright idea" enables four of the five lighting elements to be used independently of each other.
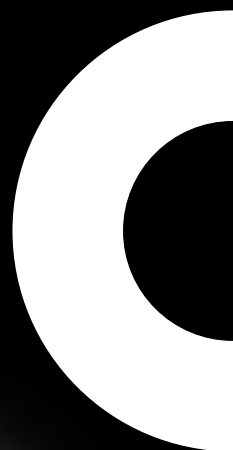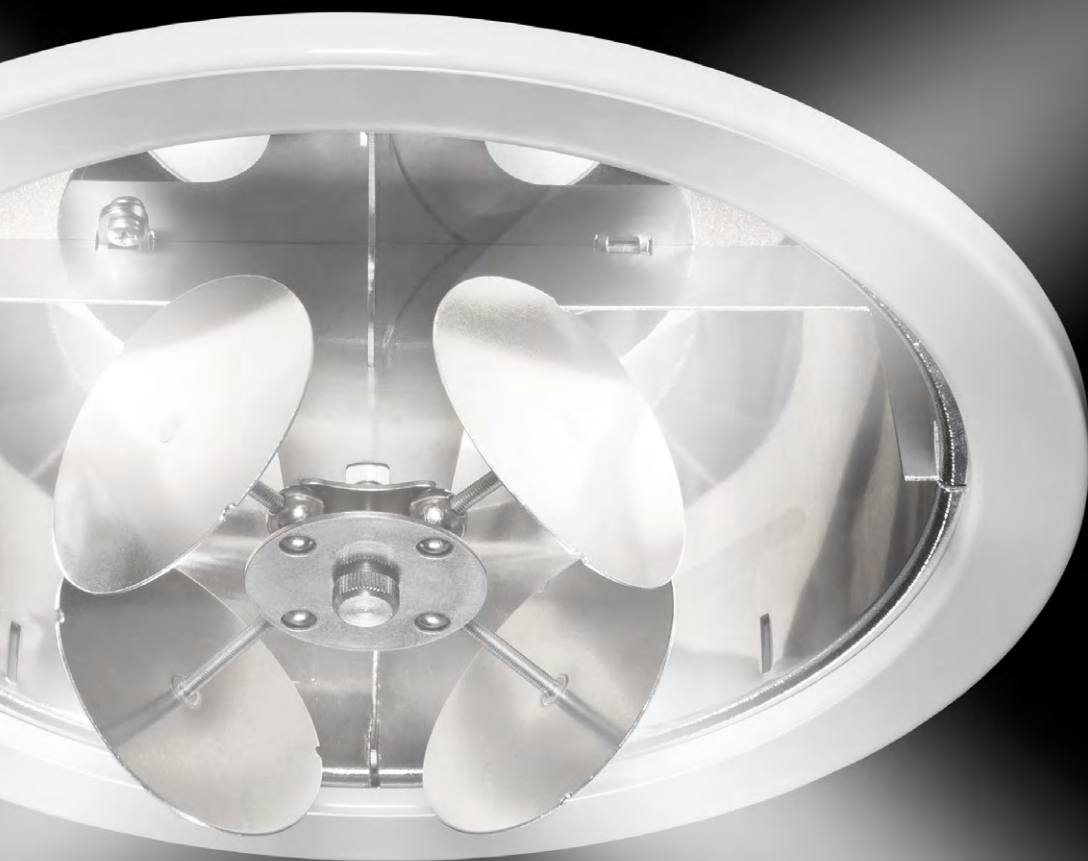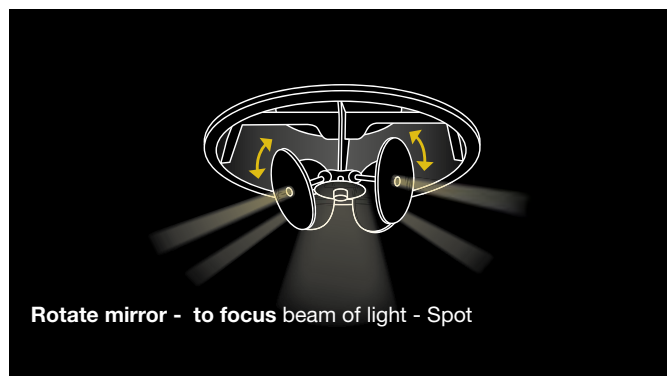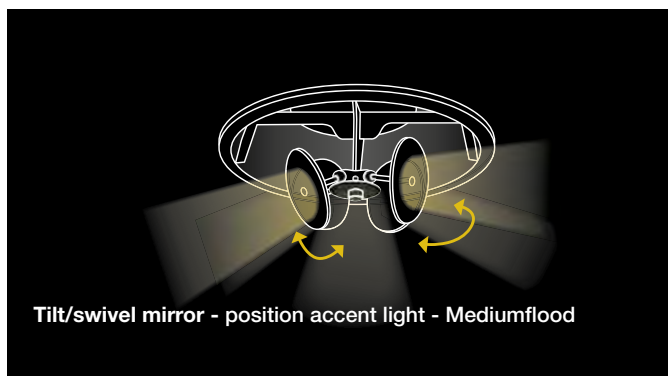**Every product and sales area can be illuminated individually and in an energy efficient way. A single vision, optimally positioned, is sufficient to set an average furnishing booth in scene and present the furniture perfectly and effectively. Individual mirrors enable the various objects to be showcased individually. VisionLED provides you with a high level of flexibility with a single light.**
For small areas, the light cone is bundled, for large objects it is expanded accordingly.

Tilt/swivel mirror - position accent light - Mediumflood

Rotate mirror - to focus beam of light - Spot

Vision

> recessed High-Power downlight with LED-deflecting mirror technology
> high-quality secondary reflector adjustable with 4 focusable reflecting mirrors
> thermal management with passive cooling

DETAILS
> lamp made of metal
> supply unit integrated (placement outside the light body)
> toolless ceiling mounting with quick-release springs

MORE
> luminous flux value without considering the secondary reflectors
> colours: silver, white
> other versions and colours of light and dimmable versions are available on request
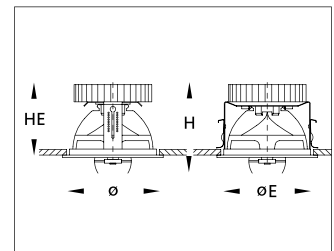
When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

ECG | RAL 9006 | RAL 9016 | CE

power	CRI	light flux	Kelvin	light colour	OrderNo.
52 W	> 80	4350 lm	2700 K	warm white	**ULED-E-52-827-5**
56 W	> 90	4750 lm	3000 K		**ULED-E-56-930-5**
	> 90	5150 lm	4000 K	neutral white	**ULED-E-56-940-5**
	> 90	4750 lm		WKW	**ULED-E-56-WKW-5**

Dimensions inch		kg
ø 220 **H** 195		2,30
øE 203 **HE** 155		

Vision

> ceiling mounted High-Power downlight with LED-deflecting mirror technology
> high-quality secondary reflector adjustable with 4 focusable reflecting mirrors
> thermal management with passive cooling

**DETAILS**
> lamp made of metal
> supply unit integrated

MORE
> luminous flux value without considering the secondary reflectors
> colours: silver, white
> other versions and colours of light and dimmable versions are available on request
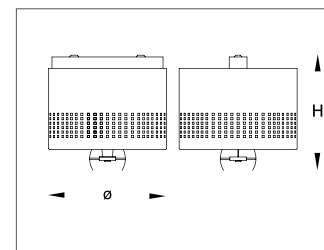
When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG | 〉〉〉〉 | ◼ | RAL 9006 | RAL 9016 | CE |

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.
LED	52 W	> 80	4350 lm	2700 K	warm white	**ULED-DA-52-827-5**
	56 W	> 90	4750 lm	3000 K		**ULED-DA-56-930-5**
		> 90	5150 lm	4000 K	neutral white	**ULED-DA-56-940-5**
		> 90	4750 lm		WKW	**ULED-DA-56-WKW-5**

Dimensions inch		kg
ø 263 H 250		4,20

Vision

> recessed High-Power downlight with LED-deflecting mirror technology
> high-quality secondary reflector adjustable with 4 focusable reflecting mirrors
> thermal management with passive cooling

DETAILS
> lamp made of metal
> supply unit integrated
> adapter for 3-phase track

MORE
> luminous flux value without considering the secondary reflectors
> colours: silver, white
> other versions and colours of light and dimmable versions are available on request
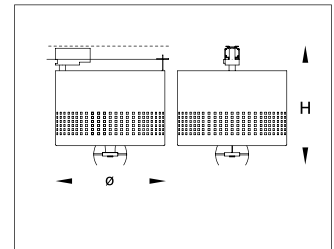
When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG | | | RAL 9006 | RAL 9016 | CE |

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.
LED	52 W	> 80	4350 lm	2700 K	warm white	**ULED-A-52-827-5**
	56 W	> 90	4750 lm	3000 K		**ULED-A-56-930-5**
		> 90	5150 lm	4000 K	neutral white	**ULED-A-56-940-5**
		> 90	4750 lm		WKW	**ULED-A-56-WKW-5**

Dimensions inch	kg
ø 263 **H** 280	3,80

Vision

> recessed High-Power luminaire with LED-deflecting mirror technology
> high-quality secondary reflector adjustable with 4 focusable reflecting mirrors
> thermal management with passive cooling

DETAILS
> lamp made of metal
> supply unit integrated
> required accessory (steel suspension) to be ordered separately

MORE
> luminous flux value without considering the secondary reflectors
> colours: silver, white
> other versions and colours of light and dimmable versions are available on request
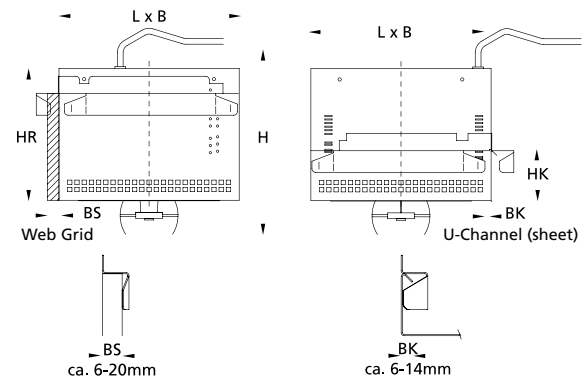
When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG | | | RAL 9006 | RAL 9016 | CE |

	power	CRI	light flux	Kelvin	light colour	OrderNo.
LED	52 W	> 80	4350 lm	2700 K	warm white	**ULED-S-52-827-5**
	56 W	> 90	4750 lm	3000 K		**ULED-S-56-930-5**
		> 90	5150 lm	4000 K	neutral white	**ULED-S-56-940-5**
		> 90	4750 lm		WKW	**ULED-S-56-WKW-5**

Dimensions inch		kg
ø 263 **H** 265		3,90
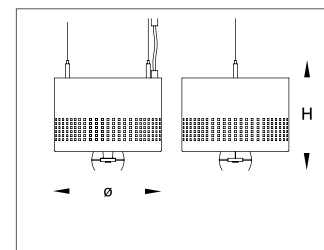
description	OrderNo.
wire with feeder, cover bar/suspender modul for ULED, incl. feeder with integrated connector 3pole, wires (with nipple) to be ordered separately	**Z-ULED-SA**

Vision

> recessed High-Power downlight with LED-deflecting mirror technology
> high-quality secondary reflector adjustable with 4 focusable reflecting mirrors
> thermal management with passive cooling

DETAILS
> lamp made of metal
> supply unit integrated
> for hooking into grid ceilings and u-channel ceilings

MORE
> luminous flux value without considering the secondary reflectors
> colours: silver, white
> other versions and colours of light and dimmable versions are available on request

When ordering, always specify the desired colour.
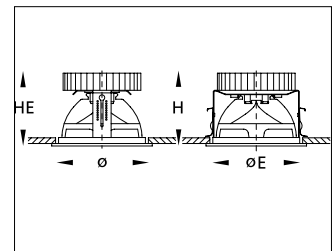*At time of print.*
Current technical data and information, see www.rucolicht.de

| ECG | | | RAL 9006 | RAL 9016 | CE |

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.
LED	52 W	> 80	4350 lm	2700 K	warm white	**ULED-EQ-52-827-5**
	56 W	> 90	4750 lm	3000 K		**ULED-EQ-56-930-5**
		> 90	5150 lm	4000 K	neutral white	**ULED-EQ-56-940-5**
		> 90	4750 lm		WKW	**ULED-EQ-56-WKW-5**

Dimensions inch	kg
L 250 **B** 250 **H** 230	4,90

L x B   HR   BS   Web Grid   BS   ca. 6-20mm

L x B   H   HK   BK   U-Channel (sheet)   BK   ca. 6-14mm

Web Grid	
Execution	Height HS (mm)
A	95
B	100
C	105
D	110
E	115
F	120
G	125
H	130
I	150

U-Channel	
Execution	Height HK (mm)
K	60
L	70
M	80

Specify in your order

Furniture Heinrich - Kirchlegern

Vision

> recssed High-Power downlight with LED-technology
> thermal management with passive cooling

DETAILS
> lamp made of metal
> supply unit integrated (placement outside the light body)
> toolless ceiling mounting with quick-release springs

MORE
> colours: silver, white
> other versions and colours of light and dimmable versions are
  available on request
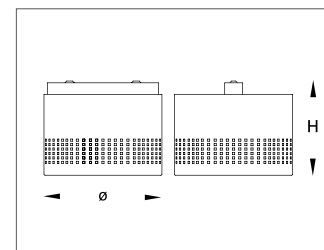
When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

	ECG EXTERNAL			RAL 9006	RAL 9016	CE

power	CRI	light flux	Kelvin	light colour	OrderNo.
36 W	> 80	3350 lm	2700 K	warm white	**UDED-E-36-827-5**
	> 90	3450 lm	3000 K		**UDED-E-36-930-5**
	> 90	3750 lm	4000 K	neutral white	**UDED-E-36-940-5**
	> 90	3450 lm		WKW	**UDED-E-36-WKW-5**
52 W	> 80	4350 lm	2700 K	warm white	**UDED-E-52-827-5**
56 W	> 80	4350 lm	2700 K	warm white	**UDED-E-56-827-5**
	> 90	4750 lm	3000 K		**UDED-E-56-930-5**
	> 90	5150 lm	4000 K	neutral white	**UDED-E-56-940-5**
	> 90	4750 lm		WKW	**UDED-E-56-WKW-5**

Dimensions mm	kg
ø 220 **H** 160	2,20
øE 203 **HE** 155	

Vision

> ceiling mounted High-Power downlight with LED-technology
> thermal management with passive cooling

DETAILS
> lamp made of metal
> supply unit integrated

MORE
> colours: silver, white
> other versions and colours of light and dimmable versions are available on request
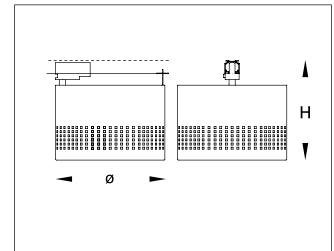
When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

ECG			RAL 9006	RAL 9016	CE

	power	CRI	light flux	Kelvin	light colour	OrderNo.
LED	36 W	> 80	3350 lm	2700 K	warm white	**UDED-DA-36-827-5**
		> 90	3450 lm	3000 K		**UDED-DA-36-930-5**
		> 90	3750 lm	4000 K	neutral white	**UDED-DA-36-940-5**
			3450 lm		WKW	**UDED-DA-36-WKW-5**
	52 W	> 80	4350 lm	2700 K	warm white	**UDED-DA-52-827-5**
	56 W	> 80	4350 lm	2700 K	warm white	**UDED-DA-56-827-5**
		> 90	4750 lm	3000 K		**UDED-DA-56-930-5**
		> 90	5150 lm	4000 K	neutral white	**UDED-DA-56-940-5**
			4750 lm		WKW	**UDED-DA-56-WKW-5**

Dimensions mm		kg
ø 263 **H** 211		4,10

Vision

> recessed High-Power downlight with LED-technology
> thermal management with passive cooling

DETAILS
> lamp made of metal
> supply unit integrated
> adapter for 3-phase track

MORE
> colours: silver, white
> other versions and colours of light and dimmable versions are available on request
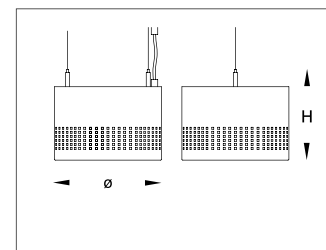
When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

ECG	))))	▲	RAL 9006	RAL 9016	CE

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.
LED	36 W	> 80	3350 lm	2700 K	warm white	**UDED-A-36-827-5**
		> 90	3450 lm	3000 K		**UDED-A-36-930-5**
		> 90	3750 lm	4000 K	neutral white	**UDED-A-36-940-5**
			3450 lm		WKW	**UDED-A-36-WKW-5**
	52 W	> 80	4350 lm	2700 K	warm white	**UDED-A-52-827-5**
	56 W	> 80	4350 lm	2700 K	warm white	**UDED-A-56-827-5**
		> 90	4750 lm	3000 K		**UDED-A-56-930-5**
		> 90	5150 lm	4000 K	neutral white	**UDED-A-56-940-5**
			4750 lm		WKW	**UDED-A-56-WKW-5**

Dimensions inch	kg
ø 263 **H** 242	3,60

Vision

> suspended High-Power luminiare with LED-technology
> thermal management with passive cooling

DETAILS
> lamp made of metal
> supply unit integrated
> required accessory (steel suspension) to be ordered separately

MORE
> colours: silver, white
> other versions and colours of light and dimmable versions are available on request

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

ECG | RAL 9006 | RAL 9016 | CE

	power	CRI	light flux	Kelvin	light colour	OrderNo.
LED	36 W	> 80	3350 lm	2700 K	warm white	**UDED-S-36-827-5**
		> 90	3450 lm	3000 K		**UDED-S-36-930-5**
		> 90	3750 lm	4000 K	neutral white	**UDED-S-36-940-5**
			3450 lm		WKW	**UDED-S-36-WKW-5**
	52 W	> 80	4350 lm	2700 K	warm white	**UDED-S-52-827-5**
	56 W	> 80	4350 lm	2700 K	warm white	**UDED-S-56-827-5**
		> 90	4750 lm	3000 K		**UDED-S-56-930-5**
		> 90	5150 lm	4000 K	neutral white	**UDED-S-56-940-5**
			4750 lm		WKW	**UDED-S-56-WKW-5**

Dimensions inch		kg
ø 263 **H** 225		3,80

description	OrderNo.
wire with feeder, cover bar/suspender modul for ULED, incl. feeder with integrated connector 3pole, wires (with nipple) to be ordered separately	**Z-ULED-SA**

Vision

> recessed High-Power downlight with LED-technology
> thermal management with passive cooling

DETAILS
> lamp made of metal
> supply unit integrated
> for hooking into grid ceilings and u-channel ceilings

MORE
> colours: silver, white
> other versions and colours of light and dimmable versions are available on request

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG | | | RAL 9006 | RAL 9016 | CE |

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.		Dimensions inch		kg
LED	36 W	> 80	3350 lm	2700 K	warm white	**UDED-EQ-36-827-5**		**L** 250 **B** 250 **H** 188		2,90
		> 90	3450 lm	3000 K		**UDED-EQ-36-930-5**				
		> 90	3750 lm	4000 K	neutral white	**UDED-EQ-36-940-5**				
			3450 lm		WKW	**UDED-EQ-36-WKW-5**				
	52 W	> 80	4350 lm	2700 K	warm white	**UDED-EQ-52-827-5**				
	56 W	> 80	4350 lm	2700 K	warm white	**UDED-EQ-56-827-5**				
		> 90	4750 lm	3000 K		**UDED-EQ-56-930-5**				
		> 90	5150 lm	4000 K	neutral white	**UDED-EQ-56-940-5**				
			4750 lm		WKW	**UDED-EQ-56-WKW-5**				

L x B

HR

BS

Web Grid

L x B

H

HK

BK

U-Channel (sheet)

BS
ca. 6-20mm

BK
ca. 6-14mm

Web Grid	
Execution	Height HS (mm)
A	95
B	100
C	105
D	110
E	115
F	120
G	125
H	130
I	150

U-Channel	
Execution	Height HK (mm)
K	60
L	70
M	80

Specify in your order

Furniture Bernskötter - Mühlheim

TRACK   RECESSED

LED
INDIVIDUAL LIGHT
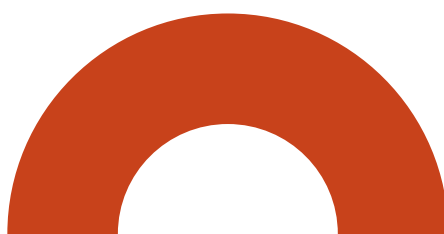
The efficient LED technology enables DuoLED to set new standards for appealing and economic aisle lighting, suitable for both food and non-food use. DuoLED creates and both even and bright light and directs it onto products as well as ensuring structure in the aisles.

DuoLED

Particularly long aisles can thus be illuminated efficiently and dynamically. DuoLED is available as directional and dual directional units, as mounted spotlight for power tracks and as built-in spotlight.

Thanks to the innovative construction, the lighting units can be adjusted on-site without tools, in order to best light the different aisles widths and shelf/room heights. This enables the aesthetic and economic illumination of rooms, shops and stores.

DuoLED

> lamp for tracks with LED-technolgy
> 2 units, rotating equal at 90°
> high-quality aluminium reflector with cross blades for maxiumum light output and glare-free lighting
> thermal management with passive cooling

DETAILS
> lamp made of metal
> supply unit integrated
> adapter for 3-phase track

MORE
> colours: anodised alu nature/silver, black, white
> other versions and colours of light and dimmable versions are available on request

*When ordering, always specify the desired colour.*
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG |)))) | ▲ | RAL 9016 | RAL 9005 ANODIZED | EV1 ANODIZED | CE |

LM	power	CRI	light flux	Kelvin	light colour	▲		OrderNo.	Dimensions mm				kg
LED	28 W	> 80	2500 lm	3000 K	warm white	asymmetrical		**DUL-28-D-30-A-LM-ASY**	**L** 326	**B** 124	**H** 106		1,50
						symmetrical		**DUL-28-D-30-A-LM-SYM**					
		> 80	2600 lm	4000 K	neutral white	asymmetrical		**DUL-28-D-40-A-LM-ASY**					
						symmetrical		**DUL-28-D-40-A-LM-SYM**					

LM	power	CRI	light flux	Kelvin	light colour	▲		OrderNo.	Dimensions mm				kg
LED	75 W	> 80	7500 lm	3000 K	warm white	asymmetrical		**DUL-75-D-30-A-LM-ASY**	**L** 886	**B** 124	**H** 106		3,60
						symmetrical		**DUL-75-D-30-A-LM-SYM**					
		> 80	7700 lm	4000 K	neutral white	asymmetrical		**DUL-75-D-40-A-LM-ASY**					
						symmetrical		**DUL-75-D-40-A-LM-SYM**					
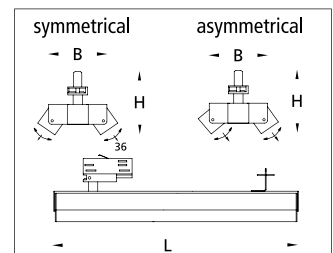
Feneberg - Ravensburg

Mol

> lamp for tracks with LED-technolgy
> light unit rotating 180°
> high-quality aluminium reflector with cross blades for maxiumum
  light output and glare-free lighting
> thermal management with passive cooling

DETAILS
> lamp made of aluminium, metal
> supply unit integrated
> adapter for 3-phase track

MORE
> colours: anodised alu nature/silver, black, white
> other versions and colours of light and dimmable versions are
  available on request

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG | | | RAL 9005 | RAL 9016 | EV1 ANODIZED | CE |

MODULE 605

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.		Dimensions mm		kg
LED	28 W	> 80	2500 lm	3000 K	warm white	**MOL-28-D-30-A-LM**		L 605 B 36 H 147		2,00
		> 80	2600 lm	4000 K	neutral white	**MOL-28-D-40-A-LM**				

MODULE 885

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.		Dimensions mm		kg
LED	38 W	> 80	3750 lm	3000 K	warm white	**MOL-38-D-30-A-LM**		L 885 B 36 H 147		2,40
		> 80	3850 lm	4000 K	neutral white	**MOL-38-D-40-A-LM**				
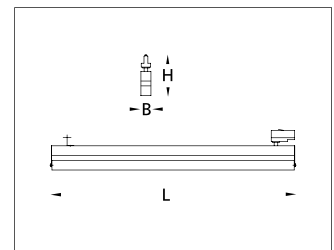
UnoLED

> lamp for tracks with LED-technolgy
> high-quality diffusor with snap-in technology
> cover satin or acrylic flush mounted or microstructured prism cover
> thermal management with passive cooling

DETAILS
> lamp made of aluminium
> supply unit integrated
> adapter for 3-phase track

MORE
> colours: anodised alu nature/silver, black, white
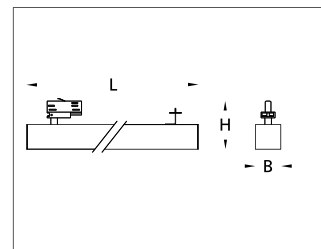> other versions and colours of light and dimmable versions are
  available on request

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG | | | RAL 9005 | RAL 9016 | EV1 ANODIZED | CE |

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.
LED	50 W	> 80	4400 lm	3000 K	warm white	acrylic white	**UNL-50-D-30-ACW**
		> 80	4500 lm	4000 K	neutral white	acrylic white	**UNL-50-D-40-ACW**

Dimensions mm	kg
L 1160 **B** 62 **H** 121	2,90

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.
LED	50 W	> 80	5000 lm	3000 K	warm white	microprisms	**UNL-50-D-30-A-MP**
		> 80	5100 lm	4000 K	neutral white	microprisms	**UNL-50-D-40-A-MP**

Dimensions mm	kg
L 1160 **B** 62 **H** 121	2,90

DuoLED

> inlay lamp with LED-technology
> for suspended ceiling systems with visible T-profile module 625
> 2 units, rotating equal at 90°
> high-quality aluminium reflector with cross blades for maxiumum light output and glare-free lighting
> thermal management with passive cooling

DETAILS
> lamp made of aluminium, metal
> supply unit integrated

MORE
> colours: silver, white
> other versions and colours of light and dimmable versions are available on request

*When ordering, always specify the desired colour.*
At time of print.
*Current technical data and information, see www.rucolicht.de*

ECG | RAL 9016 | RAL 9006 | CE

SYMMETRICAL

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.
LED	50 W	> 80	5000 lm	3000 K	warm white	**DUL-50-D-30-E-LM-SYM**
		> 80	5150 lm	4000 K	neutral white	**DUL-50-D-40-E-LM-SYM**

Dimensions mm	kg
L 624 **B** 124 **H** 83	3,50
LE 610 **BE** 110 **HE** 53	
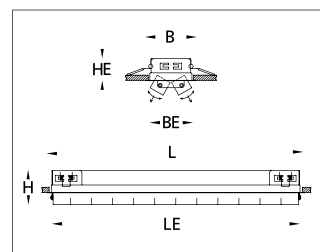
ASYMMETRICAL

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.
LED	50 W	> 80	5000 lm	3000 K	warm white	**DUL-50-D-30-E-LM-ASY**
		> 80	5150 lm	4000 K	neutral white	**DUL-50-D-40-E-LM-ASY**

Dimensions mm	kg
L 624 **B** 124 **H** 83	3,50
LE 610 **BE** 110 **HE** 53	
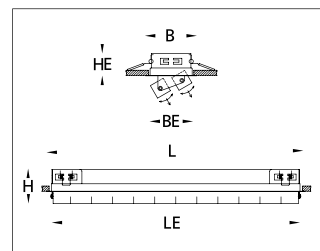
DuoLED

> recessed lamp with LED-technology
> for suspended ceiling systems
> 2 units, rotating equal at 90°
> high-quality aluminium reflector with cross blades for maxiumum light output and glare-free lighting
> thermal management with passive cooling

DETAILS
> lamp made of aluminium, metal
> supply unit integrated

MORE
> colours: anodised alu nature/silver, black, white
> other versions and colours of light and dimmable versions are available on request

When ordering, always specify the desired colour.
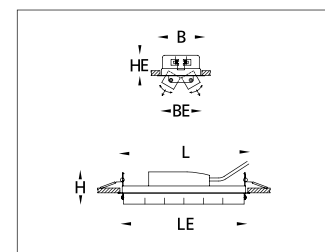*At time of print.*
Current technical data and information, see www.rucolicht.de

| ECG | | | RAL 9016 | EV1 ANODIZED | CE |

SYMMETRICAL

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.
LED	28 W	> 80	2500 lm	3000 K	warm white	**DUL-28-D-30-E-LM-SYM**
		> 80	2600 lm	4000 K	neutral white	**DUL-28-D-40-E-LM-SYM**

Dimensions mm	kg
L 345 **B** 124 **H** 85	2,20
LE 335 **BE** 110 **HE** 55	

ASYMMETRICAL

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.
LED	28 W	> 80	2500 lm	3000 K	warm white	**DUL-28-D-30-E-LM-ASY**
	28 W	> 80	2600 lm	4000 K	neutral white	**DUL-28-D-40-E-LM-ASY**

Dimensions mm	kg
L 345 **B** 124 **H** 85	1,50
LE 335 **BE** 110 **HE** 55	
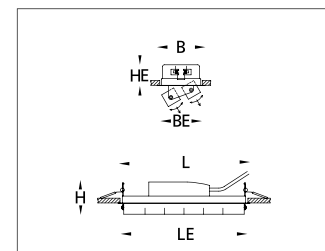
Mol

> recessed lamp with LED-technology
> light unit rotating 180°
> high-quality aluminium reflector with cross blades for maxiumum light output and glare-free lighting
> thermal management with passive cooling

DETAILS
> lamp made of aluminium, metal
> supply unit integrated

MORE
> colours: anodised alu nature/silver, white
> other versions and colours of light and dimmable versions are available on request

When ordering, always specify the desired colour.
At time of print.
*Current technical data and information, see www.rucolicht.de*

ECG | RAL 9016 | EV1 ANODIZED | CE

MODULE 625

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.	Dimensions mm	kg
LED	28 W	> 80	2500 lm	3000 K	warm white	**MOL-28-D-30-E-LM**	**L** 625 **B** 72 **H** 83	2,00
		> 80	2600 lm	4000 K	neutral white	**MOL-28-D-40-E-LM**	**LE** 615 **BE** 60 **HE** 55	

MODULE 885

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.	Dimensions mm	kg
LED	38 W	> 80	3750 lm	3000 K	warm white	**MOL-38-D-30-E-LM**	**L** 905 **B** 72 **H** 83	2,60
		> 80	3850 lm	4000 K	neutral white	**MOL-38-D-40-E-LM**	**LE** 895 **BE** 60 **HE** 55	
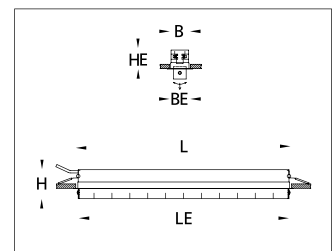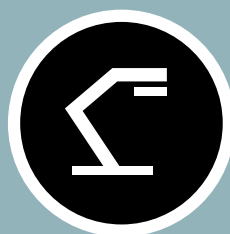
SUSPENDED   FLOOR   DESK

LED

INDIVIDUAL LIGHT
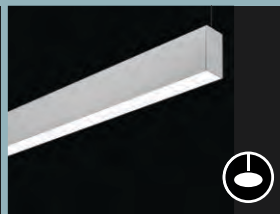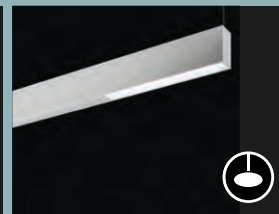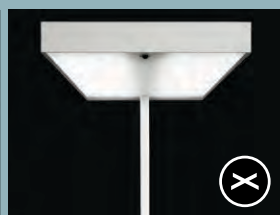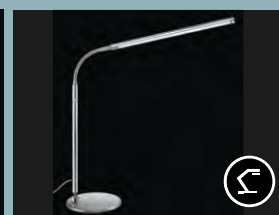
Bingo
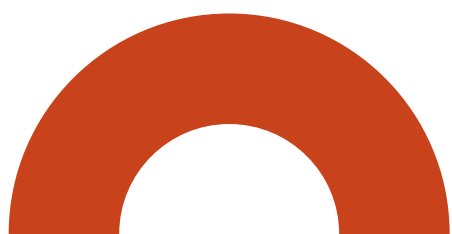
Bingo. Simple beautiful. The decorative BINGO pendulum lighting range is characterised by the reduced design which makes it very variable in use.
A selection of 4 different versions offers, alongside the elegant chrome versions in droplet and bowl form, both glass and cylinder versions with opal glass inserts.

The lights can be used as decorative lighting elements above counters, tables and foyers, or simply as specialist eye-catchers integrated into almost any illumination concept without dominating it.

Bingo

> suspended lamp with LED-technology
> direkt emission characteristics with accent in the glass element
> thermal management with passive cooling

DETAILS
> lamp made of metal
> supply unit integrated in ceiling canopy
> transparent connecting line (3000 mm)

MORE
> surface chrome
> other versions and colours of light and dimmable versions are available on request

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

ECG EXTERNAL | CHROME | CE

	power	CRI	light flux	Kelvin	light colour	OrderNo.		Dimensions mm		kg
LM LED	4.8 W	> 80	312 lm	3000 K	warm white	**BPL-1-R-B30.CH**		ø 103 **H** 44		0,80

ø60
120
47
H
ø

	power	CRI	light flux	Kelvin	light colour	OrderNo.		Dimensions mm		kg
LM LED	4.8 W	> 80	312 lm	3000 K	warm white	**BPL-2-R-B30.CH**		ø 124 **H** 75		1,10

ø60
120
45
H
ø

Bingo

> suspended lamp with LED-technology
> direkt emission characteristics with accent in the glass element
> thermal management with passive cooling

DETAILS
> lamp made of metal
> supply unit integrated in ceiling canopy
> transparent connecting line (3000 mm)

MORE
> surface chrome
> other versions and colours of light and dimmable versions are available on request

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

ECG EXTERNAL | CHROME | CE

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.
LED	4.8 W	> 80	312 lm	3000 K	warm white	**BPL-3-R-B30.CH**

Dimensions mm	kg
ø 90 H 60	0,60
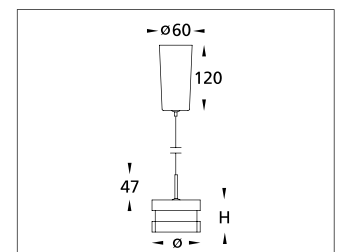
LM	power	CRI	light flux	Kelvin	light colour	OrderNo.
LED	3.6 W	> 80	234 lm	3000 K	warm white	**BPL-4-R-B30.CH**

Dimensions mm	kg
ø 64 H 215	0,50
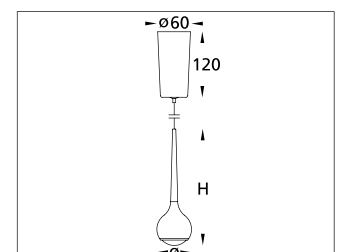
LM	power	CRI	light flux	Kelvin	light colour	OrderNo.
LED	6,8 W	> 80	3380 lm	3000 K	warm white	**BPL-40-R-B30.CH**

Dimensions mm	kg
ø 90 H 460	0,90
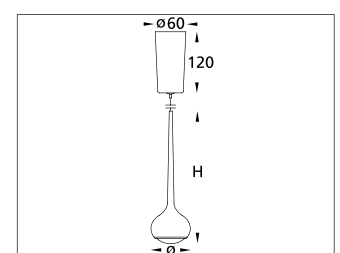
Grace
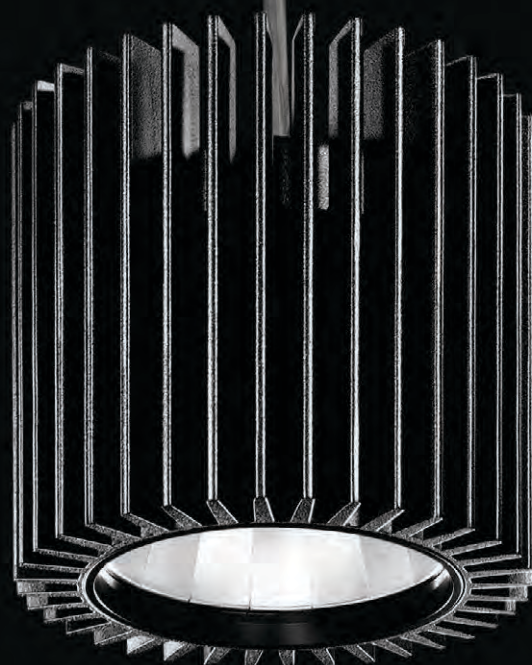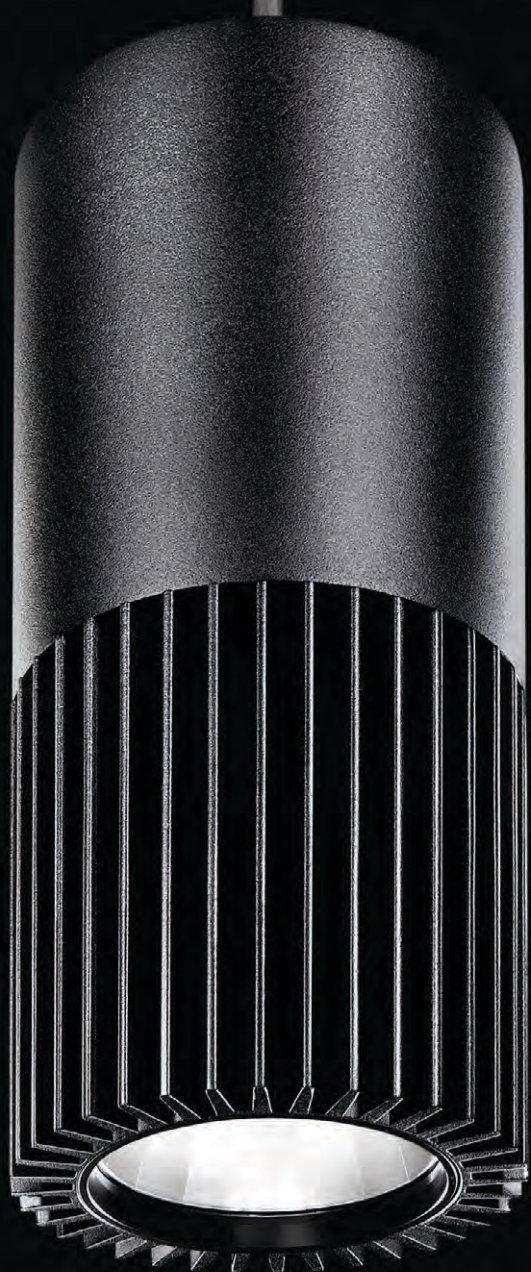
Tubo
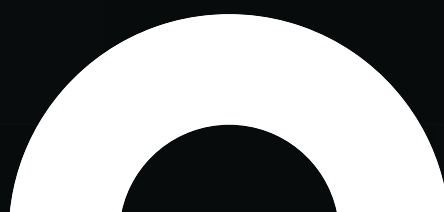
Grace L

> real glass suspended lamp with LED-tecnology
> direct emission characteristics with decorative acrylic glass cylinder, opal white
> thermal management with passive cooling
> optic system plan-convex-lens

DETAILS
> lamp made of metal
> supply unit external
> optional mounting with track adapter, ceiling installation or ceiling mounting-box
> light distribution middle flood

MORE
> colours: silver, black, white
> other versions and colours of light and dimmable versions are available on request
> required accessories (steel suspension ø 1,50 mm, ceiling mounted and connecting wire) to be ordered separately

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG | }}}} | ◤ | RAL 9006 | RAL 9016 | RAL 9005 | CE |

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.
LED	28 W	> 90	2800 lm	3000 K	warm white	**GPL-S-5-28-930**
		> 90	3000 lm	4000 K	neutral white	**GPL-S-5-28-940**
		> 90	2090 lm		Fashion	**GPL-S-5-28-FAS**
		> 90	2800 lm		WKW	**GPL-S-5-28-WKW**
	36 W	> 90	3450 lm	3000 K	warm white	**GPL-S-5-36-930**
		> 90	3750 lm	4000 K	neutral white	**GPL-S-5-36-940**
		> 90	2300 lm		Fashion	**GPL-S-5-36-FAS**
		> 90	3450 lm		WKW	**GPL-S-5-36-WKW**
			1650 lm		Food	**GPL-S-5-36-Z03**
			2200 lm		Meat	**GPL-S-5-36-Z04**

Dimensions mm	kg
ø 200 **H** 320	3,80

Suitable accessories
see chapter accessories.

Grace S

> suspended lamp with LED-technology
> direct emission characteristics with decorative acrylic glass cylinder, opal white
> thermal management with passive cooling

DETAILS
> lamp made of metal
> supply unit external
> optional mounting with track adapter, ceiling installation or ceiling mounting-box

MORE
> colours: silver, black, white
> other versions and colours of light and dimmable versions are available on request
> required accessories (ceiling canopy and connecting wire) to be ordered separately

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

	power	CRI	light flux	Kelvin	light colour	OrderNo.
	20 W	> 90	2075 lm	3000 K	warm white	**GPS-S-5-20-930-MFL**
		> 90	2245 lm	4000 K	neutral white	**GPS-S-5-20-940-MFL**
		> 90	2075 lm		WKW	**GPS-S-5-20-WKW-MFL**
	28 W	> 90	2800 lm	3000 K	warm white	**GPS-S-5-28-930-MFL**
		> 90	3000 lm	4000 K	neutral white	**GPS-S-5-28-940-MFL**
		> 90	2090 lm		Fashion	**GPS-S-5-28-FAS-MFL**
		> 90	2800 lm		WKW	**GPS-S-5-28-WKW-MFL**

Dimensions mm		kg
ø 136 **H** 350		2,00
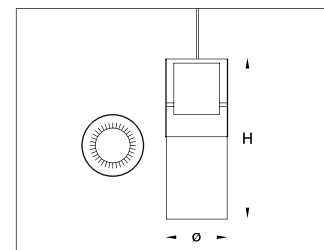
Suitable accessories
see chapter accessories.

Arena Rondo

> suspended lamp with LED-technology
> direct emission characteristics
> thermal management with passive cooling

DETAILS
> lamp made of metal
> supply unit integrated
> optional mounting with track adapter, ceiling installation or ceiling mounting-box

MORE
> colours: silver, black, white
> other versions and colours of light and dimmable versions are available on request
> required accessories (steel suspension ø 1,50 mm, ceiling mounted and connecting wire) to be ordered separately

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

ECG		FL	MFL	SP	RAL 9006	RAL 9005	RAL 9016	CE

LM	power	CRI	light flux	Kelvin	light colour		OrderNo.
LED	28 W	> 90	2800 lm	3000 K	warm white	2 x 23°	HFP-S-28-930-5-FL
						2 x 14°	HFP-S-28-930-5-MFL
						2 x 10°	HFP-S-28-930-5-SP
		> 90	3000 lm	4000 K	neutral white	2 x 23°	HFP-S-28-940-5-FL
						2 x 14°	HFP-S-28-940-5-MFL
						2 x 10°	HFP-S-28-940-5-SP
		> 90	2090 lm		Fashion	2 x 23°	HFP-S-28-FAS-5-FL
						2 x 10°	HFP-S-28-FAS-5-MFL
						2 x 14°	HFP-S-28-FAS-5-SP
			2800 lm		WKW	2 x 23°	HFP-S-28-WKW-5-FL
						2 x 14°	HFP-S-28-WKW-5-MFL
						2 x 10°	HFP-S-28-WKW-5-SP
	36 W	> 90	3450 lm	3000 K	warm white	2 x 23°	HFP-S-36-930-5-FL
						2 x 14°	HFP-S-36-930-5-MFL
						2 x 10°	HFP-S-36-930-5-SP
		> 90	3750 lm	4000 K	neutral white	2 x 23°	HFP-S-36-940-5-FL
						2 x 14°	HFP-S-36-940-5-MFL
						2 x 10°	HFP-S-36-940-5-SP
		> 90	2300 lm		Fashion	2 x 23°	HFP-S-36-FAS-5-FL
						2 x 10°	HFP-S-36-FAS-5-MFL
						2 x 14°	HFP-S-36-FAS-5-SP
		> 90	3450 lm		WKW	2 x 23°	HFP-S-36-WKW-5-FL
						2 x 14°	HFP-S-36-WKW-5-MFL
						2 x 10°	HFP-S-36-WKW-5-SP
			2000 lm		Food	2 x 23°	HFP-S-36-Z03-5-FL
						2 x 14°	HFP-S-36-Z03-5-MFL
						2 x 10°	HFP-S-36-Z03-5-SP
			2200 lm		Meat	2 x 23°	HFP-S-36-Z04-5-FL
						2 x 14°	HFP-S-36-Z04-5-MFL
						2 x 10°	HFP-S-36-Z04-5-SP

Dimensions mm	kg
ø 140 **H** 351	3,30

Suitable accessories
see chapter accessories.

Knusper-
Bagel
-.76

Laugenecke
1.25

Dänisches
Brötchen
-.80

Schoko-
Croissant
1.30

Butter-
Croissant
-.99

Butter-
Schoki
-.99

Quarkwecke
-.77

Franz-
Brötchen
1.08

Smiley
Schokobrötchen
-.99

Milch-
Hörnchen
-.65

Kründchen
-.40

Bakery Hensel - Oeynhausen

Tubo

> suspended lamp with LED-technology
> direct emission characteristics
> high-quality aluminium reflector with cross blades for maxiumum light output
> thermal management with passive cooling

DETAILS
> supply unit integrated
> lamp made of aluminium
> protective cover against soiling of reflector and the LED
> optional mounting with track adapter or ceiling installation

MORE
> colours: silver, black, white
> other versions and colours of light and dimmable versions are available on request
> required accessories (and connecting wire) to be ordered separately

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG | | FL | MFL | SP | RAL 9006 | RAL 9005 | RAL 9016 | CE |

power	CRI	light flux	Kelvin	light colour		OrderNo.
20 W	> 90	2075 lm	3000 K	warm white	2 x 23°	**TZ-D-5-20-930-FL**
					2 x 14°	**TZ-D-5-20-930-MFL**
					2 x 10°	**TZ-D-5-20-930-SP**
	> 90	2245 lm	4000 K	neutral white	2 x 23°	**TZ-D-5-20-940-FL**
					2 x 14°	**TZ-D-5-20-940-MFL**
					2 x 10°	**TZ-D-5-20-940-SP**
	> 90	2075 lm		WKW	2 x 23°	**TZ-D-5-20-WKW-FL**
					2 x 14°	**TZ-D-5-20-WKW-MFL**
					2 x 10°	**TZ-D-5-20-WKW-SP**
28 W	> 90	2800 lm	3000 K	warm white	2 x 23°	**TZ-D-5-28-930-FL**
					2 x 14°	**TZ-D-5-28-930-MFL**
					2 x 10°	**TZ-D-5-28-930-SP**
	> 90	3000 lm	4000 K	neutral white	2 x 23°	**TZ-D-5-28-940-FL**
					2 x 14°	**TZ-D-5-28-940-MFL**
					2 x 10°	**TZ-D-5-28-940-SP**
	> 90	2800 lm		WKW	2 x 23°	**TZ-D-5-28-WKW-FL**
					2 x 14°	**TZ-D-5-28-WKW-MFL**
					2 x 10°	**TZ-D-5-28-WKW-SP**
36 W	> 90	3450 lm	3000 K	warm white	2 x 23°	**TZ-D-5-36-930-FL**
					2 x 14°	**TZ-D-5-36-930-MFL**
					2 x 10°	**TZ-D-5-36-930-SP**
	> 90	3750 lm	4000 K	neutral white	2 x 23°	**TZ-D-5-36-940-FL**
					2 x 14°	**TZ-D-5-36-940-MFL**
					2 x 10°	**TZ-D-5-36-940-SP**
	> 90	3450 lm		WKW	2 x 23°	**TZ-D-5-36-WKW-FL**
					2 x 14°	**TZ-D-5-36-WKW-MFL**
					2 x 10°	**TZ-D-5-36-WKW-SP**
		1650 lm		Food	2 x 23°	**TZ-D-5-36-Z03-FL**
					2 x 14°	**TZ-D-5-36-Z03-MFL**
					2 x 10°	**TZ-D-5-36-Z03-SP**
		2200 lm		Meat	2 x 23°	**TZ-D-5-36-Z04-FL**
					2 x 14°	**TZ-D-5-36-Z04-MFL**
					2 x 10°	**TZ-D-5-36-Z04-SP**

Dimensions mm	kg
ø 100 **H** 255	1,70
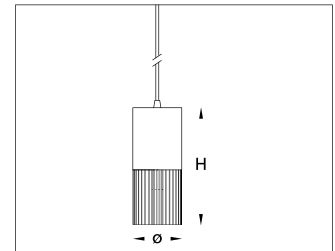
Suitable accessories see chapter accessories.

Tubo

> suspended lamp with LED-technology
> direct emission characteristics
> high-quality aluminium reflector with cross blades for maxiumum light output
> thermal management with passive cooling

DETAILS
> lamp made of aluminium
> supply unit external
> protective cover against soiling of reflector and the LED
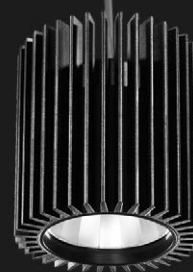> optional mounting with track adapter or ceiling installation, or ceiling mounting-box

MORE
> colours: silver, black, white
> other versions and colours of light and dimmable versions are available on request
> required accessories (ceiling canopy and connecting wire) to be ordered separately

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

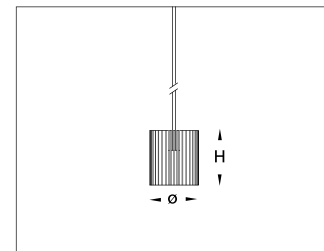| ECG | FL MFL SP | RAL 9006 | RAL 9005 | RAL 9016 | CE |

LM	power	CRI	light flux	Kelvin	light colour	▲▲	OrderNo.
LED	20 W	> 90	2075 lm	3000 K	warm white	2 x 23°	**TZ-E-5-20-930-FL**
						2 x 14°	**TZ-E-5-20-930-MFL**
						2 x 10°	**TZ-E-5-20-930-SP**
		> 90	2245 lm	4000 K	neutral white	2 x 23°	**TZ-E-5-20-940-FL**
						2 x 14°	**TZ-E-5-20-940-MFL**
						2 x 10°	**TZ-E-5-20-940-SP**
		> 90	2075 lm		WKW	2 x 23°	**TZ-E-5-20-WKW-FL**
						2 x 14°	**TZ-E-5-20-WKW-MFL**
						2 x 10°	**TZ-E-5-20-WKW-SP**
	28 W	> 90	2800 lm	3000 K	warm white	2 x 23°	**TZ-E-5-28-930-FL**
						2 x 14°	**TZ-E-5-28-930-MFL**
						2 x 10°	**TZ-E-5-28-930-SP**
		> 90	3000 lm	4000 K	neutral white	2 x 23°	**TZ-E-5-28-940-FL**
						2 x 14°	**TZ-E-5-28-940-MFL**
						2 x 10°	**TZ-E-5-28-940-SP**
		> 90	2800 lm		WKW	2 x 23°	**TZ-E-5-28-WKW-FL**
						2 x 14°	**TZ-E-5-28-WKW-MFL**
						2 x 10°	**TZ-E-5-28-WKW-SP**
	36 W	> 90	3450 lm	3000 K	warm white	2 x 23°	**TZ-E-5-36-930-FL**
						2 x 14°	**TZ-E-5-36-930-MFL**
						2 x 10°	**TZ-E-5-36-930-SP**
		> 90	3750 lm	4000 K	neutral white	2 x 23°	**TZ-E-5-36-940-FL**
						2 x 14°	**TZ-E-5-36-940-MFL**
						2 x 14°	**TZ-E-5-36-940-MFL**
		> 90	3450 lm		WKW	2 x 23°	**TZ-E-5-36-WKW-FL**
						2 x 14°	**TZ-E-5-36-WKW-MFL**
						2 x 10°	**TZ-E-5-36-WKW-SP**
			1650 lm		Food	2 x 23°	**TZ-E-5-36-Z03-FL**
						2 x 14°	**TZ-E-5-36-Z03-MFL**
						2 x 10°	**TZ-E-5-36-Z03-SP**
			2200 lm		Meat	2 x 23°	**TZ-E-5-36-Z04-FL**
						2 x 14°	**TZ-E-5-36-Z04-MFL**
						2 x 10°	**TZ-E-5-36-Z04-SP**

Dimensions mm	kg
ø 100 **H** 110	1,70

Suitable accessories
see chapter accessories.

Tubo

> suspended lamp with LED-technology
> direct emission characteristics
> optical system, olan-convex and sculture lens for homogeneous luminance distribution
> thermal management with passive cooling
> narrow light distrubition

DETAILS
> lamp made of aluminium
> supply unit integrated
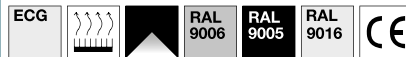> optional mounting with track adapter or ceiling installation

MORE
> colours: silver, black, white
> other versions and colours of light and dimmable versions are available on request
> required accessories (ceiling canopy and connecting wire) to be ordered separately

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG | | | RAL 9006 | RAL 9005 | RAL 9016 | CE |

	power	CRI	light flux	Kelvin	light colour	OrderNo.
LED	20 W	> 90	2075 lm	3000 K	warm white	**TZO-D-5-20-930**
		> 90	2245 lm	4000 K	neutral white	**TZO-D-5-20-940**
		> 90	2090 lm		WKW	**TZO-D-5-20-WKW**
	28 W	> 90	2800 lm	3000 K	warm white	**TZO-D-5-28-930**
		> 90	3000 lm	4000 K	neutral white	**TZO-D-5-28-940**
		> 90	2090 lm		Fashion	**TZO-D-5-28-FAS**
		> 90	2800 lm		WKW	**TZO-D-5-28-WKW**

Dimensions mm		kg
ø 100 **H** 251		1,70
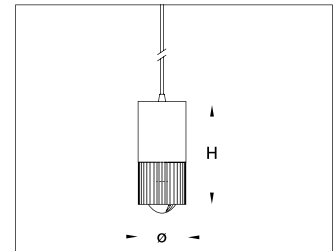
Suitable accessories
see chapter accessories.

Tubo

> suspended lamp with LED-technology
> direct emission characteristics
> optical system, olan-convex and sculture lens for homogeneous luminance distribution
> thermal management with passive cooling
> narrow light distrubition

DETAILS
> lamp made of aluminium
> supply unit external
> optional mounting with track adapter or ceiling installation, or ceiling mounting-box

MORE
> colours: silver, black, white
> other versions and colours of light and dimmable versions are available on request
> required accessories (connecting wire) to be ordered separately

When ordering, always specify the desired colour.
At time of print.
*Current technical data and information, see www.rucolicht.de*

| ECG | | | RAL 9006 | RAL 9005 | RAL 9016 | CE |

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.
LED	20 W	> 90	2075 lm	3000 K	warm white	**TZO-E-5-20-930**
		> 90	2245 lm	4000 K	neutral white	**TZO-E-5-20-940**
		> 90	2075 lm		WKW	**TZO-E-5-20-WKW**
	28 W	> 90	2800 lm	3000 K	warm white	**TZO-E-5-28-930**
		> 90	3000 lm	4000 K	neutral white	**TZO-E-5-28-940**
		> 90	2090 lm		Fashion	**TZO-E-5-28-FAS**
		> 90	2800 lm		WKW	**TZO-E-5-28-WKW**

Dimensions mm		kg
ø 100 **H** 86		1,30
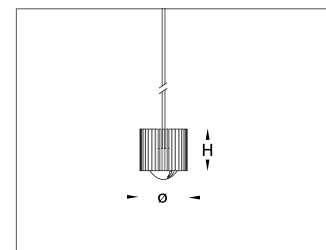
Suitable accessories
see chapter accessories.

Arena

> suspended lamp with LED-technology
> with decorative acrylic glass shade
> thermal management with passive cooling
> optical system, plan-convex-lens
> direct and indirect illumination

DETAILS
> lamp made of metal
> supply unit external
> optional mounting with track adapter, ceiling installation or ceiling mounting-box

MORE
> colours: silver, black, white
> other versions and colours of light and dimmable versions are available on request
> required accessories (ceiling canopy and connecting wire) to be ordered separately

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

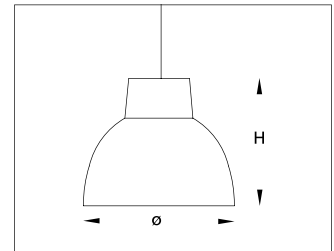| power	CRI	light flux	Kelvin	light colour	OrderNo.
36 W	> 90	3500 lm	3000 K	warm white	**HA-LED-30-AC**

Dimensions mm	kg
ø 315 **H** 266	2,60

Suitable accessories
see chapter accessories.

Campana

> technically embossed suspended lamp with LED-technology
> traditional design with industrial charm
> thermal management with passive cooling

DETAILS
> lamp made of metal
> supply unit integrated
> mounting with ceiling canopy and chin 1,5 m
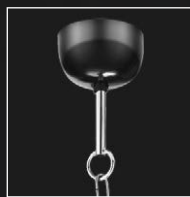> connecting line 1500 mm 3 x 0,75 sw PVC

MORE
> colours: outside black, innside white
> other versions and colours of light and dimmable versions are available on request

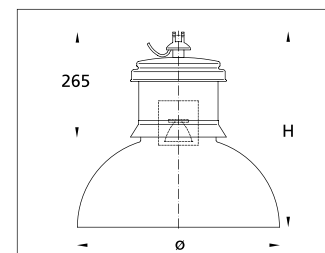*When ordering, always specify the desired colour.*
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG | | FL | MFL | SP | RAL 9005 | CE |

LM	**power**	**CRI**	**light flux**	**Kelvin**	**light colour**		**OrderNo.**
LED	28 W	> 90	2800 lm	3000 K	warm white	2 x 23°	**NPL-K-28-930-5-FL**
						2 x14°	**NPL-K-28-930-5-MFL**
						2 x 10°	**NPL-K-28-930-5-SP**
		> 90	3000 lm	4000 K	neutral white	2 x 23°	**NPL-K-28-940-5-FL**
						2 x 14°	**NPL-K-28-940-5-MFL**
						2 x 10°	**NPL-K-28-940-5-SP**
		> 90	2090 lm		Fashion	2 x 23°	**NPL-K-28-FAS-5-FL**
						2 x 14°	**NPL-K-28-FAS-5-MFL**
						2 x 10°	**NPL-K-28-FAS-5-SP**
		> 90	2800 lm		WKW	2 x 23°	**NPL-K-28-WKW-5-FL**
						2 x 14°	**NPL-K-28-WKW-5-MFL**
						2 x 10°	**NPL-K-28-WKW-5-SP**
LED	36 W	> 90	3450 lm	3000 K	warm white	2 x 23°	**NPL-K-36-930-5-FL**
						2 x 14°	**NPL-K-36-930-5-MFL**
						2 x 10°	**NPL-K-36-930-5-SP**
		> 90	3750 lm	4000 K	neutral white	2 x 23°	**NPL-K-36-940-5-FL**
						2 x14°	**NPL-K-36-940-5-MFL**
						2 x 10°	**NPL-K-36-940-5-SP**
		> 90	2600 lm		Fashion	2 x 23°	**NPL-K-36-FAS-5-FL**
						2 x 14°	**NPL-K-36-FAS-5-MFL**
						2 x 10°	**NPL-K-36-FAS-5-SP**
		> 90	3450 lm		WKW	2 x 23°	**NPL-K-36-WKW-5-FL**
						2 x 14°	**NPL-K-36-WKW-5-MFL**
						2 x 10°	**NPL-K-36-WKW-5-SP**
			1650 lm		Food	2 x 23°	**NPL-K-36-Z03-5-FL**
						2 x 14°	**NPL-K-36-Z03-5-MFL**
						2 x 10°	**NPL-K-36-Z03-5-SP**
			2200 lm		Meat	2 x 23°	**NPL-K-36-Z04-5-FL**
						2 x 14°	**NPL-K-36-Z04-5-MFL**
						2 x 10°	**NPL-K-36-Z04-5-SP**

Dimensions mm	**kg**
ø 510 **H** 593	5,70

265
H
ø

Space

> LED bay luminiare
> protection IP65

DETAILS
> aluminium housing with clear glass cover
> driver integrated

MORE
> colours: black
> wire suspension (hook or straps) to be ordered separately
> metal reflector 60° or 90°
> required accessories (steel suspension ø 1,50 mm, ceiling mounted and connecting wire) to be ordered separately
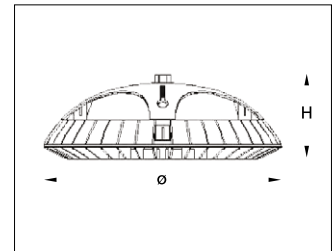
When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

power	CRI	light colour	Kelvin	light flux	OrderNo.
100 W	> 90	neutral white	4000 K	11000 lm	**HBS-100-40**
120 W				13000 lm	**HBS-120-40**

Dimensions mm	kg
ø 360 **H** 130	5,50

description	OrderNo.
radiation angles 60°	**Z-HBS-RFL60**

description	OrderNo.
ring louvre for glare reduction	**Z-HBS-BR00**

description	OrderNo.
eyelet for customer suspension	**Z-HBS-ABH**

description	OrderNo.
bracket for ceiling suspension	**Z-HBS-R00**

Suitable accessories
see chapter accessories.

Quadro

> suspended lamp with LED-technology tasks for different lighting
> cardan light heads, swivel 30°
> high-quality aluminium reflector for maximum light output and glare-free lighting
> thermal management with passive cooling

DETAILS
> lamp made of aluminium, metall
> supply unit integrated
> protective cover against soiling of reflector and the LED

MORE
> colours: silver, black, white
> other versions and colours of light and dimmable versions are available on request
> requested accessory (wire suspension ø 1,50 mm, ceiling fastener and connecting line) to be ordered separately

*When ordering, always specify the desired colour.*
At time of print.
*Current technical data and information, see www.rucolicht.de*

| ECG | FL MFL SP | RAL 9006 | RAL 9005 | RAL 9016 | CE |

LM	power	CRI	light flux	Kelvin	light colour		OrderNo.
LED	2 x 42 W	> 90	2 x 3900 lm	3000 K	warm white	2 x 25°	QR-2-S-5-42-930-FL
						2 x 12°	QR-2-S-5-42-930-MFL
						2 x 7°	QR-2-S-5-42-930-SP
		> 90	2 x 4250 lm	4000 K	neutral white	2 x 25°	QR-2-S-5-42-940-FL
						2 x 12°	QR-2-S-5-42-940-MFL
						2 x 7°	QR-2-S-5-42-940-SP
		> 90	2 x 2600 lm		Fashion	2 x 25°	QR-2-S-5-42-FAS-FL
						2 x 12°	QR-2-S-5-42-FAS-MFL
						2 x 7°	QR-2-S-5-42-FAS-SP
		> 90	2 x 3900 lm		WKW	2 x 25°	QR-2-S-5-42-WKW-FL
						2 x 12°	QR-2-S-5-42-WKW-MFL
						2 x 7°	QR-2-S-5-42-WKW-SP
			2 x 2000 lm		Food	2 x 25°	QR-2-S-5-42-Z03-FL
						2 x 12°	QR-2-S-5-42-Z03-MFL
						2 x 7°	QR-2-S-5-42-Z03-SP
			2 x 2350 lm		Meat	2 x 25°	QR-2-S-5-42-Z04-FL
						2 x 12°	QR-2-S-5-42-Z04-MFL
						2 x 7°	QR-2-S-5-42-Z04-SP

Dimensions mm			kg
L 727	B 234	H 115	4,60
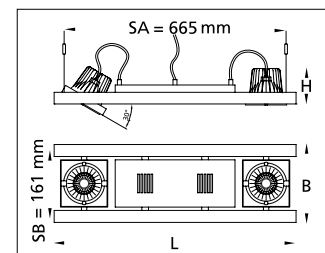
SA = 665 mm
SB = 161 mm
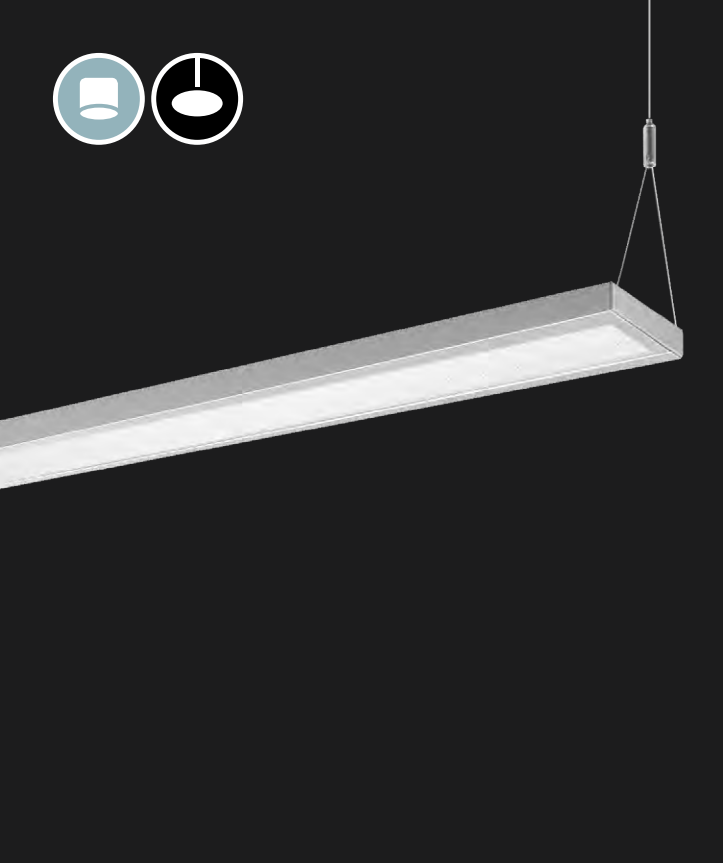
Suitable accessories
see chapter accessories.

Office

> suspended lamp with LED-technology
> clear language of form
> direct-indirect emission characteristics
> single luminaire
> thermal management with passive cooling

DETAILS
> housing made of aluminium, metal powdercoated
> supply unit integrated
> cover bottom (diffusor) microprisms, above clear

MORE
> colours: silver
> other versions and colours of light and dimmable versions are available on request
> required accessories (steel suspension ø 1,50 mm, ceiling mounted and connecting wire) to be ordered separately

When ordering, always specify the desired colour.
At time of print.
*Current technical data and information, see www.rucolicht.de*

| ECG |)))) | ◄► | RAL 9006 | CE |

MODULE 1210

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.		Dimensions mm			kg
LED	41 W	> 80	4790 lm	3000 K	warm white	OM1-S-10-1210-830-5-MP		**L** 1210 **B** 147 **H** 36			5,60
		> 80	4960 lm	4000 K	neutral white	OM1-S-10-1210-840-5-MP					

MODULE 1510

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.		Dimensions mm			kg
LED	54 W	> 80	6400 lm	3000 K	warm white	OM1-S-10-1510-830-5-MP		**L** 1510 **B** 147 **H** 36			6,00
		> 80	6620 lm	4000 K	neutral white	OM1-S-10-1510-840-5-MP					
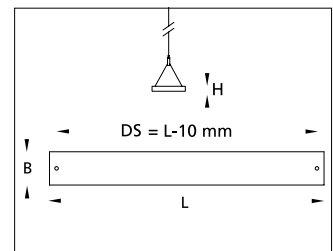
DS = L-10 mm

Suitable accessories
see chapter accessories.

Office

> suspended lamp with LED-technology
> clear language of form
> direct-indirect emission characteristics
> thermal management with passive cooling
> single luminaire
> with accessories for lightribbon assembly available

DETAILS
> housing made of aluminium, metal powdercoated
> supply unit integrated
> cover bottom (diffusor) microprisms, above clear

MORE
> colours: silver
> other versions and colours of light and dimmable versions are available on request
> required accessories (steel suspension ø 1,50 mm, ceiling mounted and connecting wire) to be ordered separately

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

ECG | RAL 9006 | CE

MODULE 1210
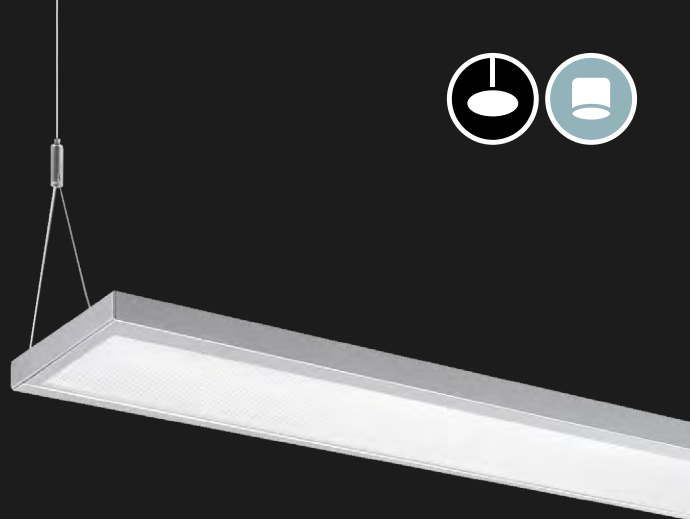
LM	power	CRI	light flux	Kelvin	light colour	OrderNo.		Dimensions mm			kg
LED	82 W	> 80	9580 lm	3000 K	warm white	OM2-S-10-1210-830-5-MP		**L** 1210 **B** 241 **H** 36			6,40
		> 80	9920 lm	4000 K	neutral white	OM2-S-10-1210-840-5-MP					

MODULE 1510

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.		Dimensions mm			kg
LED	108 W	> 80	12770 lm	3000 K	warm white	OM2-S-10-1510-830-5-MP		**L** 1510 **B** 241 **H** 36			6,90
		> 80	13220 lm	4000 K	neutral white	OM2-S-10-1510-840-5-MP					
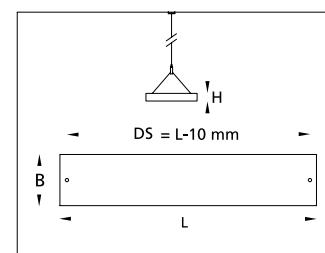
H

DS = L-10 mm

B

L

Suitable accessories
see chapter accessories.

Mika

> suspended luminaire for direct-indirect light with LED-technology
> direct/indirect light portion separately controlable
> cover acrylic white flush (ACW)
> indirect light portion with clear cover
> thermal management with passive cooling

DETAILS
> lamp made of aluminium
> supply unit integrated

MORE
> colours: anodised alu natur, black, white
> other versions and colours of light and dimmable versions are available on request
> required accessories (steel suspension ø 1,50 mm, ceiling mounted and connecting wire) to be ordered separately

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

ECG | RAL 9005 | RAL 9016 | EV1 ANODIZED | CE

MODULE 1170

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.	Dimensions mm	kg
LED	58 W	> 80	4758 lm	3000 K	warm white	HP62-K-10-1170-H25-830-5-ACW	**L** 1170 **B** 62 **H** 90	4,20
		> 80	5196 lm	4000 K	neutral white	HP62-K-10-1170-H25-840-5-ACW		

MODULE 1450

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.	Dimensions mm	kg
LED	80 W	> 80	6441 lm	3000 K	warm white	HP62-K-10-1450-H25-830-5-ACW	**L** 1450 **B** 62 **H** 90	5,40
		> 80	7068 lm	4000 K	neutral white	HP62-K-10-1450-H25-840-5-ACW		

MODULE 1730

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.	Dimensions mm	kg
LED	88 W	> 80	7137 lm	3000 K	warm white	HP62-K-10-1730-H25-830-5-ACW	**L** 1730 **B** 62 **H** 90	6,50
		> 80	7794 lm	4000 K	neutral white	HP62-K-10-1730-H25-840-5-ACW		

MODULE 2290

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.	Dimensions mm	kg
LED	115 W	> 80	9534 lm	3000 K	warm white	HP62-K-10-2290-H25-830-5-ACW	**L** 2290 **B** 62 **H** 90	8,60
		> 80	10014 lm	4000 K	neutral white	HP62-K-10-2290-H25-840-5-ACW		
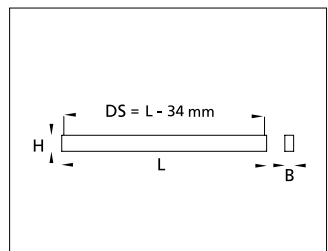
DS = L - 34 mm
H
L
B

Suitable accessories
see chapter accessories.

Mika

> suspended luminaire for direct-indirect light with LED-technology
> direct-indirect light portion
> cover microprisms (MP)
> indirect light portion with clear cover
> thermal management with passive cooling

DETAILS
> lamp made of aluminium profile
> supply unit integrated

MORE
> colours: anodised alu natur, black, white
> other versions and colours of light and dimmable versions are available on request
> required accessories (steel suspension ø 1,50 mm, ceiling mounted and connecting wire) to be ordered separately

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG |)))) | ◄► | RAL 9005 | RAL 9016 | EV1 ANODIZED | CE |

MODULE 1170

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.
LED	58 W	> 80	5212 lm	3000 K	warm white	**HP62-K-10-1170-H25-830-5-MP**
		> 80	5690 lm	4000 K	neutral white	**HP62-K-10-1170-H25-840-5-MP**

Dimensions mm	kg
L 1170 **B** 62 **H** 90	4,20

MODULE 1450

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.
LED	80 W	> 80	7006 lm	3000 K	warm white	**HP62-K-10-1450-H25-830-5-MP**
		> 80	7688 lm	4000 K	neutral white	**HP62-K-10-1450-H25-840-5-MP**

Dimensions mm	kg
L 1450 **B** 62 **H** 90	5,40

MODULE 1730

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.
LED	88 W	> 80	7818 lm	3000 K	warm white	**HP62-K-10-1730-H25-830-5-MP**
		> 80	8535 lm	4000 K	neutral white	**HP62-K-10-1730-H25-840-5-MP**

Dimensions mm	kg
L 1730 **B** 62 **H** 90	6,50

MODULE 2290

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.
LED	115 W	> 80	10442 lm	3000 K	warm white	**HP62-K-10-2290-H25-830-5-MP**
		> 80	11362 lm	4000 K	neutral white	**HP62-K-10-2290-H25-840-5-MP**

Dimensions mm	kg
L 2290 **B** 62 **H** 90	8,60
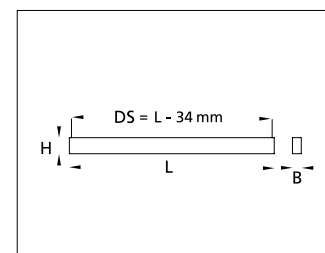
*Suitable accessories
see chapter accessories.*

status: 11/16

Mika

> suspended luminaire for direct-indirect light with LED-technology
> direct/indirect light portion separately controlably
> cover acrylic white above (ACV)
> indirect light portion with clear cover
> thermal management with passive cooling

DETAILS
> lamp made of aluminium
> supply unit integrated

MORE
> colours: anodised alu natur, black, white
> other versions and colours of light and dimmable versions are available on request
> required accessories (steel suspension ø 1,50 mm, ceiling mounted and connecting wire) to be ordered separately

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

MODULE 1170

	power	CRI	light flux	Kelvin	light colour	OrderNo.	Dimensions mm	kg
LED	58 W	> 80	4758 lm	3000 K	warm white	**HP62-K-10-1170-H25-830-5-ACV**	**L** 1170 **B** 62 **H** 90	4,20
		> 80	5196 lm	4000 K	neutral white	**HP62-K-10-1170-H25-840-5-ACV**		

MODULE 1450

	power	CRI	light flux	Kelvin	light colour	OrderNo.	Dimensions mm	kg
LED	80 W	> 80	6441 lm	3000 K	warm white	**HP62-K-10-1450-H25-830-5-ACV**	**L** 1450 **B** 62 **H** 90	5,40
		> 80	7068 lm	4000 K	neutral white	**HP62-K-10-1450-H25-840-5-ACV**		

MODULE 1730

	power	CRI	light flux	Kelvin	light colour	OrderNo.	Dimensions mm	kg
LED	88 W	> 80	7137 lm	3000 K	warm white	**HP62-K-10-1730-H25-830-5-ACV**	**L** 1730 **B** 62 **H** 90	6,50
		> 80	7794 lm	4000 K	neutral white	**HP62-K-10-1730-H25-840-5-ACV**		

MODULE 2290

	power	CRI	light flux	Kelvin	light colour	OrderNo.	Dimensions mm	kg
LED	115 W	> 80	9534 lm	3000 K	warm white	**HP62-K-10-2290-H25-830-5-ACV**	**L** 2290 **B** 62 **H** 90	8,60
		> 80	10014 lm	4000 K	neutral white	**HP62-K-10-2290-H25-840-5-ACV**		
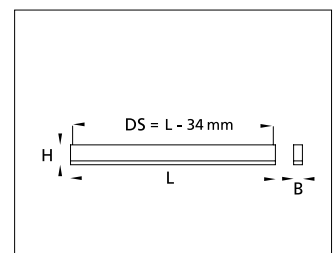
Suitable accessories
see chapter accessories.

Furniture Bernskötter

Meier + Kaufmann - Offenburg

S-Line

Attractive lighting system and individual lamps with a variety of lighting technologies, for example, micro-prisms for consistently lighting or as cluster version in light packages with direct radiation characteristics (direct-indirect available on request). The lights may be combined using connectors to form a light strip. Anodised black and natural aluminium are the exclusive surfaces available for selection.

S-Line

> shapely suspended luminaire with LED-technology
> direct emission characteristics
> thermal management with passive cooling

DETAILS
> housing made of aluminium, anodised
> supply unit integrated
> cover bottom acrylic white flush (ACW)

MORE
> colours: silver anodised, black anodises
> other versions and colours of light and dimmable versions are available on request
> required accessories (steel suspension ø 1,00 mm, ceiling mounted and connecting wire) to be ordered separately

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

ECG | | | EV1 ANODIZED | EV1 ANODIZED | CE

MODULE 1125

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.		Dimensions mm			kg
LED	40 W	> 80	2712 lm	3000 K	warm white	**SE01-1125-H25-830-5-ACW**		**L** 1125 **B** 36 **H** 65			2,28
		> 80	2976 lm	4000 K	neutral white	**SE01-1125-H25-840-5-ACW**					

MODULE 1685

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.		Dimensions mm			kg
LED	58 W	> 80	4068 lm	3000 K	warm white	**SE01-1685-H25-830-5-ACW**		**L** 1685 **B** 36 **H** 65			4,07
		> 80	4464 lm	4000 K	neutral white	**SE01-1685-H25-840-5-ACW**					

MODULE 2245

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.		Dimensions mm			kg
LED	80 W	> 80	5424 lm	3000 K	warm white	**SE01-2245-H25-830-5-ACW**		**L** 2245 **B** 36 **H** 65			5,14
		> 80	5952 lm	4000 K	neutral white	**SE01-2245-H25-840-5-ACW**					

DS = L - 23 mm

H | L | B
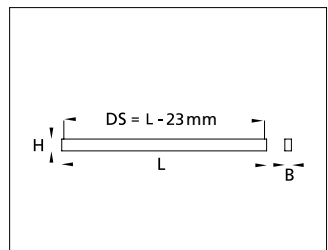
Suitable accessories
see chapter accessories.

S-Line

> shapely suspended luminaire with LED-technology
> direct emission characteristics
> thermal management with passive cooling

DETAILS
> housing made of aluminium, anodised
> supply unit integrated
> cover bottom microprisms (MP)

MORE
> colours: silver anodised, black anodises
> other versions and colours of light and dimmable versions are available on request
> requireed accessories (wire suspension ø 1,00 mm, ceiling mounted and connecting line) to be ordered separately

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG | | | EV1 ANODIZED | EV1 ANODIZED | CE |

MODULE 1125

	power	CRI	light flux	Kelvin	light colour	OrderNo.		Dimensions mm	kg
LM / LED	40 W	> 80	3164 lm	3000 K	warm white	SE01-1125-H25-830-5-MP		**L** 1125 **B** 36 **H** 65	2,28
		> 80	3472 lm	4000 K	neutral white	SE01-1125-H25-840-5-MP			

MODULE 1685

	power	CRI	light flux	Kelvin	light colour	OrderNo.		Dimensions mm	kg
LM / LED	58 W	> 80	4746 lm	3000 K	warm white	SE01-1685-H25-830-5-MP		**L** 1685 **B** 36 **H** 65	4,07
		> 80	5208 lm	4000 K	neutral white	SE01-1685-H25-840-5-MP			

MODULE 2245

	power	CRI	light flux	Kelvin	light colour	OrderNo.		Dimensions mm	kg
LM / LED	80 W	> 80	6328 lm	3000 K	warm white	SE01-2245-H25-830-5-MP		**L** 2245 **B** 36 **H** 65	5,14
		> 80	6944 lm	4000 K	neutral white	SE01-2245-H25-840-5-MP			

DS = L - 23 mm

Suitable accessories
see chapter accessories.

Status: 11/16

S-Line

> shapely suspended luminaire with LED-technology
> direct emission characteristics
> thermal management with passive cooling

DETAILS
> housing made of aluminium, anodised
> supply unit integrated
> cover bottom acrylic white flush (ACV)

MORE
> colours: silver anodised, black anodises
> other versions and colours of light and dimmable versions are available on request
> required accessories (steel suspension ø 1,00 mm, ceiling mounted and connecting wire) to be ordered separately

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG |)))) | | EV1 ANODIZED | EV1 ANODIZED | CE |

MODULE 1125

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.	Dimensions mm	kg
LED	40 W	> 80	2712 lm	3000 K	warm white	**SE01-1125-H25-830-5-ACV**	**L** 1125 **B** 36 **H** 80	2,28
		> 80	2976 lm	4000 K	neutral white	**SE01-1125-H25-840-5-ACV**		

MODULE 1685

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.	Dimensions mm	kg
LED	58 W	> 80	4068 lm	3000 K	warm white	**SE01-1685-H25-830-5-ACV**	**L** 1685 **B** 36 **H** 80	4,07
		> 80	4464 lm	4000 K	neutral white	**SE01-1685-H25-840-5-ACV**		

MODULE 2245

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.	Dimensions mm	kg
LED	80 W	> 80	5424 lm	3000 K	warm white	**SE01-2245-H25-830-5-ACV**	**L** 2245 **B** 36 **H** 80	5,14
		> 80	5952 lm	4000 K	neutral white	**SE01-2245-H25-840-5-ACV**		

DS = L - 23 mm
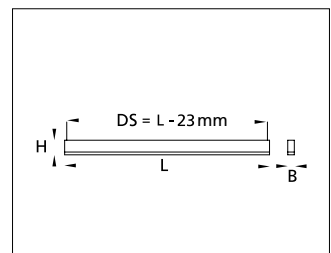
Suitable accessories
see chapter accessories.

S-Line Cluster

> shapely suspended luminaire with LED-technology
> direct or direct-indirect emission characteristics
> thermal management with passive cooling

DETAILS
> aluminium luminaire housing
> supply unit integrated
> segmented light-emitting surface (cluster)
> microprisms (MP)

MORE
> colours: silver anodised, black anodises
> other versions and colours of light and dimmable versions are
  available on request
> required accessories (steel suspension ø 1,00 mm, ceiling
  mounted and connecting wire) to be ordered separately

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

MODULE 1423 DIRECT

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.		Dimensions mm	kg
LED	40 W	> 80	3164 lm	3000 K	warm white	**SC01-1423-H25-830-5-MP**		**L** 1423 **B** 36 **H** 65	3,14
		> 80	3472 lm	4000 K	neutral white	**SC01-1423-H25-840-5-MP**			

MODULE 2283 DIRECT

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.		Dimensions mm	kg
LED	58 W	> 80	4746 lm	3000 K	warm white	**SC01-2283-H25-830-5-MP**		**L** 2283 **B** 36 **H** 65	5,14
		> 80	5208 lm	4000 K	neutral white	**SC01-2283-H25-840-5-MP**			

MODULE 1423 DIRECT-INDIRECT

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.		Dimensions mm	kg
LED	58 W	> 80	4746 lm	3000 K	warm white	**SC10-1423-H25-5-830-MP**		**L** 1423 **B** 36 **H** 65	3,14
		> 80	5208 lm	4000 K	neutral white	**SC10-1423-H25-5-840-MP**			

MODULE 2283 DIRECT-INDIRECT

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.		Dimensions mm	kg
LED	93 W	> 80	7119 lm	3000 K	warm white	**SC10-2283-H25-830-5-MP**		**L** 2283 **B** 36 **H** 65	5,14
		> 80	7812 lm	4000 K	neutral white	**SC10-2283-H25-840-5-MP**			

Status: 11/16
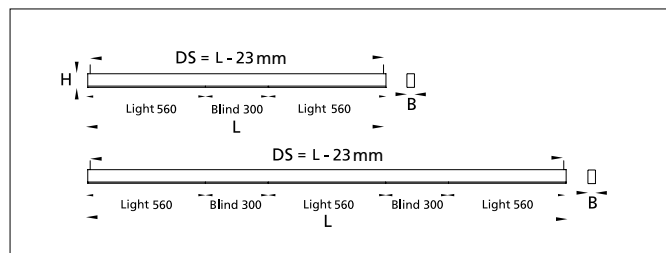
Suitable accessories
see chapter accessories.
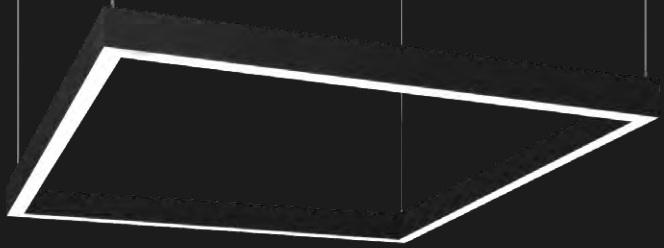
S-Line Figur

> shapely suspended luminaire with LED-technology
> direct emission characteristics
> thermal management with passive cooling

DETAILS
> housing made of aluminium
> supply unit integrated
> cover acrylic white flush (ACW) or acrylic white above (ACV)

MORE
> colours: silver anodised, black anodises
> other versions and colours of light and dimmable versions are available on request
> required accessories (steel suspension ø 1,00 mm, ceiling mounted and connecting wire) to be ordered separately

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG |)))) | ◢ | EV1 ANODIZED | EV1 ANODIZED | CE |

MODULE 882

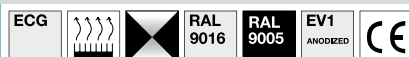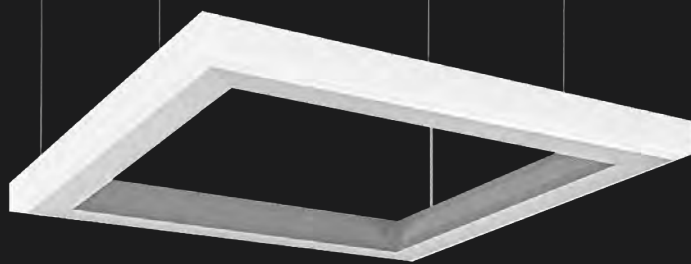| LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	72 W	> 80	4320 lm	3000 K	warm white	acrylic white	**SQ-0882-L25-830-5-ACW**	**L** 882 **B** 882 **H** 65	7,55
		> 80	4752 lm	4000 K	neutral white	acrylic white	**SQ-0882-L25-840-5-ACW**		

MODULE 882

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	72 W	> 80	4320 lm	3000 K	warm white	acrylic	**SQ-0882-L25-830-5-ACV**	**L** 882 **B** 882 **H** 80	7,55
		> 80	4752 lm	4000 K	neutralweiß		**SQ-0882-L25-840-5-ACV**		

MODULE 1162

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	92 W	> 80	5760 lm	3000 K	warm white	acrylic white	**SQ-1162-L25-830-5-ACW**	**L** 1162 **B** 1162 **H** 65	9,05
		> 80	6336 lm	4000 K	neutral white	acrylic white	**SQ-1162-L25-840-5-ACW**		

MODULE 1162

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	92 W	> 80	5760 lm	3000 K	warm white	acrylic above	**SQ-1162-L25-830-5-ACV**	**L** 1162 **B** 1162 **H** 80	9,05
		> 80	6336 lm	4000 K	neutral white	acrylic above	**SQ-1162-L25-840-5-ACV**		
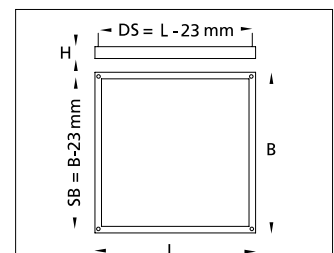
Suitable accessories
see chapter accessories.

Practice Dr. Bach - Stadeln
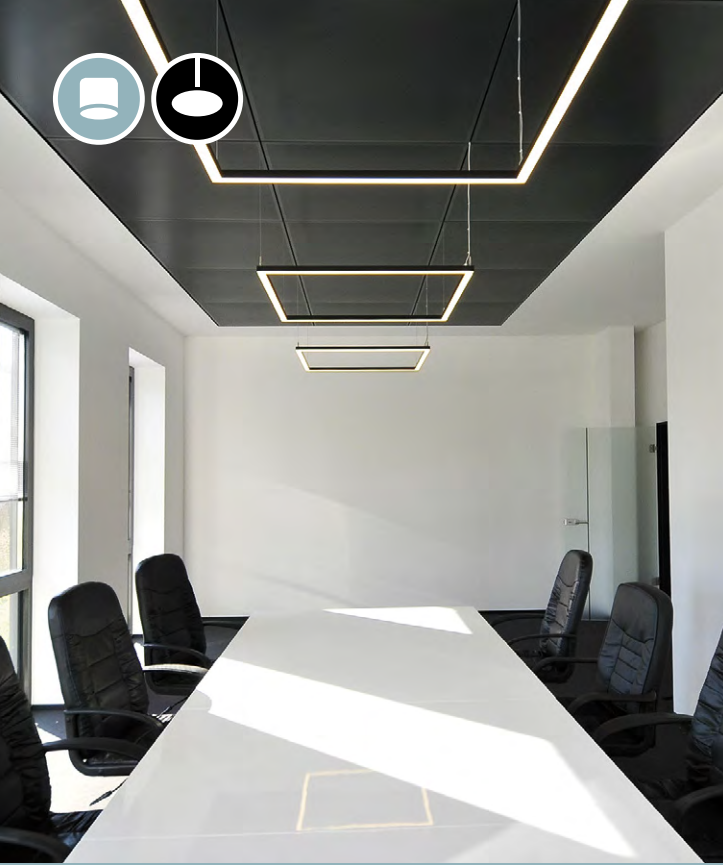
Filigrano

> decorative suspended lamp with LED-technology
> clear language of form
> direct emission characteristics
> thermal management with passive cooling

DETAILS

> housing made of aluminiums
> supply unit integrated
> transparent connecting line 1500 mm
> cover bottom (diffusor) acrylic white flush

MORE

> colours: anodised alu natur, black, white
> other versions and colours of light and dimmable versions are available on request
> required accessories (steel suspension ø 1,00 mm, ceiling mounted and connecting wire) to be ordered separately

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

ECG SEPARATE			RAL 9005	RAL 9016	EV1 ANODIZED	CE

QUADRATE 060

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.		Dimensions mm			kg
LED	50 W	> 80	1270 lm	3000 K	warm white	MI-Q-060-D-30-S-ACW		L 640 B 640 H 28			1,50
				4000 K	neutral white	MI-Q-060-D-40-S-ACW					

QUADRATE 100

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.		Dimensions mm			kg
LED	60 W	> 80	3000 lm	3000 K	warm white	MI-Q-100-D-30-S-ACW		L 1040 B 1040 H 28			2,48
				4000 K	neutral white	MI-Q-100-D-40-S-ACW					
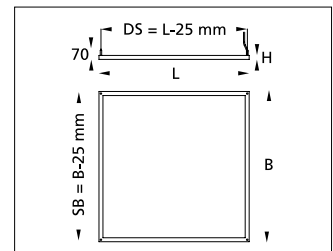
LED DRIVER

power	OrderNo.	length mm	width mm	heigth mm
50 W	LTRV-050-5-01	242	40	16
75 W	LTRV-075-5-01	220	47	44

description	OrderNo.
housing to conceal 1 x driver made of profile 62 x 60 mm with blind cover, length in total ca. 400 mm, feed backside und frontside possible, 1 cable outlet with strain relief frontally	MI-LED-TR-GEH-400
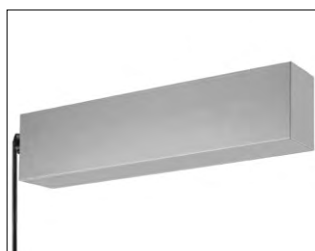
Status: 11/16

Suitable accessories
see chapter accessories.

Turno

> exeptionally suspended lamp with LED-technology
> clear language of form
> direct-indirect emission characteristics
> thermal management with passive cooling

DETAILS
> housing made of aluminium
> supply unit integrated
> cover bottom (diffusor) acrylic white flush

MORE
> colours: anodises alu nature, black, white
> other versions and colours of light and dimmable versions are
  available on request
> required accessories (steel suspension ø 1,00 mm, ceiling
  mounted and connecting wire) to be ordered separately

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

	ECG			RAL 9016	RAL 9005	EV1 ANODIZED	CE

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.
LED	45 W	> 80	2000 lm	3000 K	warm white	**QQ-S-080-E30-5-ACV**

Dimensions mm	kg
L 800 **B** 800 **H** 62	6,10

DS = 500 mm
SB = 500 mm
L
H
B
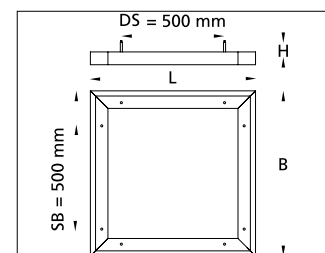
Suitable accessories
see chapter accessories.

Luminarea

Luminarea is the modern LED standard for today's architecture. Clean design, straight lines, mobile and economic. For sustainable, energy efficient lighting in offices and workplaces.
Available as dimmable version with memory-function and button on the lamp head or as sensor-controlled version with daylight control, active control with motion detector and automatic switch-off. A micro-prismatic, optical system ensure for optimum diffusion and perfect distribution of light intensity at the workplace.
Also available as table lamp with adjustable clamp fixture.

Luminarea

> LED-floor lamp with direct-indiret light distribution
> modern clear language of form
> direct-indirect emission characteristics
> thermal management with passive cooling

DETAILS
> lamp made of aluminium, powdercoated
> supply unit integrated
> cover bottom micropsimatical system, cover up clear
> dimmable version: button with memory (on/out short press, dimming up/down long press)
> sensor version: daylight control with automatic shut off and active motion control
> ready to plug-in for power supply

MORE
> colours: silver, black, white
> tabel version (with screw) on request

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

ECG | RAL 9006 | RAL 9005 | RAL 9016 | CE

DIMMABLE VERSION, BUTTON WITH MEMORY FUNCTION

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.	Dimensions mm	kg
LED	83 W	> 80	10250 lm	3000 K	warm white	LA-SL-83-30-8-MP	L 615 B 325 H 1840	14,70
		> 80	10730 lm	4000 K	neutral white	LA-SL-83-40-8-MP		

LIGHT SENSOR, DAYLIGHT CONTROL, AUTOMATIC SHOTDOWN AND MOVING DETECTOR

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.	Dimensions mm	kg
LED	83 W	> 80	10250 lm	3000 K	warm white	LA-SL-83-30-10-MP	L 615 B 325 H 1840	14,70
		> 80	10730 lm	4000 K	neutral white	LA-SL-83-40-10-MP		
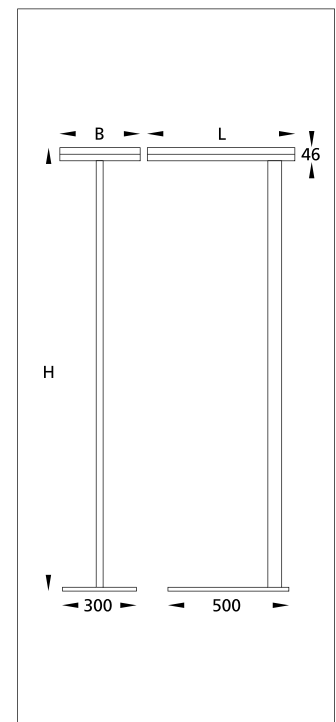
Lumina

> LED table lamp with stand featuring
> perfect adjustable by flexible elements
> thermal management with passive cooling

DETAILS
> housing made of aluminium, metal
> supply unit integrated (plug version)
> cover bottom opal
> ready to plug in for power supply

MORE
> colours: anodised alu nature

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG | | EV1 ANODIZED | CE |

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.
LED	7 W	> 90	350 lm	3000 K	warm white	**PFLE-7-D-30-9**

Dimensions inch	kg
L 650 **B** 220 **H** 650	3,60
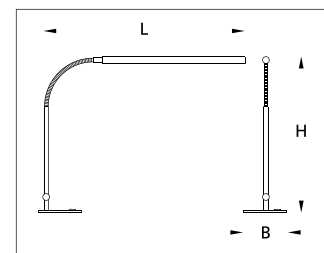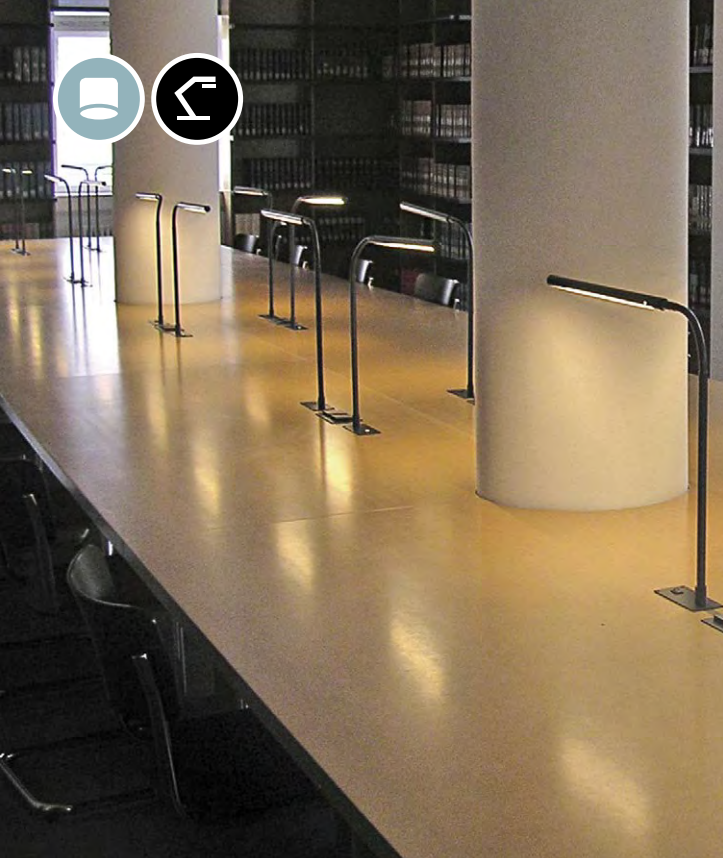
Lumina

> LED table lamp with built-in module
> perfect adjustable by flexible elements
> thermal management with passive cooling

DETAILS
> housing made of aluminium, metal
> supply unit integrated (plug version)
> cover bottom opal
> ready to plug in for power supply

MORE
> colours: anodised alu nature

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

ECG		EV1 ANODIZED	CE

	power	CRI	light flux	Kelvin	light colour	OrderNo.
LM LED	7 W	> 90	350 lm	3000 K	warm white	**PGLE-7-D-30-5**

Dimensions inch			kg
L 650 **B** 60 **H** 649			3,60
LE 116 **BE** 36			
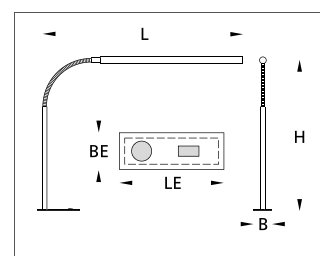
COVER PLATE

description	OrderNo.
rectangular, 90°-corners, radius R00	**Z-PG-ADP-120-60-2-R00**
rounded corners radius R05	**Z-PG-ADP-120-60-2-R05**
rounded corners radius R10	**Z-PG-ADP-120-60-2-R10**
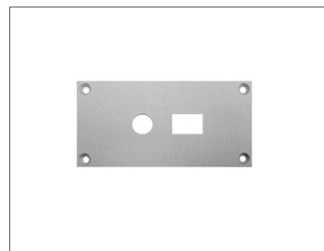
Bio-Delicatessen Löwenzahn - Gütersloh

Häcker Tile - Weissach

Kitchen Schißler - Augsburg

TEXTILE
PENDULUM.

> Large area luminaire to design of sales rooms

> high quality surfaces textile material

> alternatively suspension with wire pendulum

Vehmeyer - Haselünne

Furniture Rieger - Esslingen

Panther Club - Augsburg

Photo: sven rahm photography

Building supplies store Gerner - Regensburg
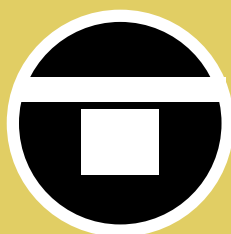
MOUNTED   SUSPENDED   TRACK   RECESSED
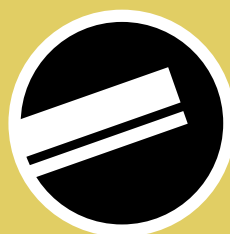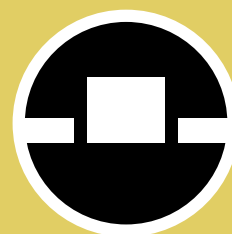
LED
AREA
LIGHT
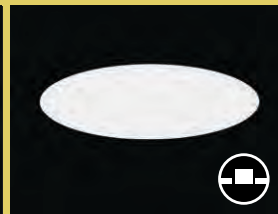
Aero

Design, quality, technology. The Aero mounted, wall and pendulum light range is characterised by style and class. The design speaks its own timeless language. Harmonious, geometric basic shapes with rounded corners combined with perfectly hand-crafted aluminium profiles to make an optical highlight.

Various shapes, colours and sizes are available to meet the demanding architectural lighting requirements. Available with satinised cover or micro-structure prism cover.
The latest generation of energy-efficient LEDs ensure homogeneous illumination, optional dimming available, for example, with DALI Signal.

Aero

> flat surface-mounted lamp with LED-technology
> direct emission characteristics
> thermal management with passive cooling

DETAILS
> housing made of aluminium, powdercoated or anodized
> supply unit integrated
> cover (diffusor) optional acrylic white flush or microprisms
> simple ceiling mounting

MORE
> colours: silver, black, white, anodised alu nature
> requested accessory (steel suspension) to be ordered separately
> other versions and colours of light and dimmable versions are
  available on request

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

ECG | RAL 9006 | RAL 9005 | RAL 9016 | EV1 ANODIZED | CE

MODULE 240

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	15 W	> 80	1010 lm	3000 K	warm white	acrylic white	AO-D-Q0240-15-30-5-ACW	L 240 B 240 H 70	1,50
		> 80	1160 lm			microprisms	AO-D-Q0240-15-30-5-MP		
		> 80	1010 lm	4000 K	neutral white	acrylic white	AO-D-Q0240-15-40-5-ACW		
		> 80	1160 lm			microprisms	AO-D-Q0240-15-40-5-MP		

MODULE 350

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	11 W	> 80	920 lm	3000 K	warm white	acrylic white	AO-D-Q0350-11-30-5-ACW	L 350 B 350 H 70	2,70
		> 80	1050 lm			microprisms	AO-D-Q0350-11-30-5-MP		
		> 80	940 lm	4000 K	neutral white	acrylic white	AO-D-Q0350-11-40-5-ACW		
		> 80	1080 lm			microprisms	AO-D-Q0350-11-40-5-MP		

MODULE 600

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	38 W	> 80	3680 lm	3000 K	warm white	acrylic white	AO-D-Q0600-38-30-5-ACW	L 600 B 600 H 70	6,90
		> 80	4200 lm			microprisms	AO-D-Q0600-38-30-5-MP		
		> 80	3790 lm	4000 K	neutral white	acrylic white	AO-D-Q0600-38-40-5-ACW		
		> 80	4340 lm			microprisms	AO-D-Q0600-38-40-5-MP		
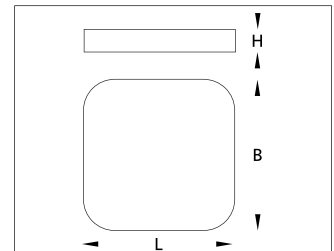
Aero

> flat surface-mounted lamp with LED-technology
> direct emission characteristics
> thermal management with passive cooling

DETAILS
> housing made of aluminium, powdercoated or anodized
> supply unit integrated
> cover (diffusor) optional acrylic white flush or microprisms
> simple ceiling mounting

MORE
> colours: silver, black, white, anodised alu nature
> other versions and colours of light and dimmable versions are available on request

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG | | | RAL 9006 | RAL 9005 | RAL 9016 | EV1 ANODIZED | CE |

MODULE 922

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	32 W	> 80	2460 lm	3000 K	warm white	acrylic white	**AO-D-L0922-32-30-5-ACW**	**L** 922 **B** 155 **H** 70	4,50
		> 80	2810 lm			microprisms	**AO-D-L0922-32-30-5-MP**		
		> 80	2680 lm	4000 K	neutral white	acrylic white	**AO-D-L0922-32-40-5-ACW**		
		> 80	3050 lm			microprisms	**AO-D-L0922-32-40-5-MP**		

MODULE 1222

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	42 W	> 80	3290 lm	3000 K	warm white	acrylic white	**AO-D-L1222-42-30-5-ACW**	**L** 1222 **B** 155 **H** 70	6,00
		> 80	3740 lm			mircoprisms	**AO-D-L1222-42-30-5-MP**		
		> 80	3580 lm	4000 K	neutral white	acrylic white	**AO-D-L1222-42-40-5-ACW**		
		> 80	4070 lm			microprisms	**AO-D-L1222-42-40-5-MP**		

MODULE 1522

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	54 W	> 80	4110 lm	3000 K	warm white	acrylic white	**AO-D-L1522-54-30-5-ACW**	**L** 1522 **B** 155 **H** 70	7,00
		> 80	4680 lm			microprisms	**AO-D-L1522-54-30-5-MP**		
		> 80	4470 lm	4000 K	neutral white	acrylic white	**AO-D-L1522-54-40-5-ACW**		
		> 80	5090 lm			microprisms	**AO-D-L1522-54-40-5-MP**		
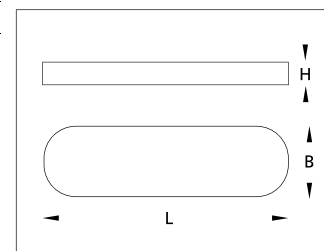
Practice Dr. Schittko - Augsburg

Furniture Thiex - Geichlingen

Aero

> flat surface-mounted lamp with LED-technology
> direct emission characteristics
> thermal management with passive cooling

DETAILS
> housing made of aluminium, powdercoated or anodized
> supply unit integrated
> cover (diffusor) optional acrylic white flush or microprisms
> simple ceiling mounting

MORE
> colours: silver, black, white, anodised alu nature
> other versions and colours of light and dimmable versions are
  available on request

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

ECG | RAL 9006 | RAL 9005 | RAL 9016 | EV1 ANODIZED | CE

MODULE 240

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	15 W	> 80	1010 lm	3000 K	warm white	acrylic white	**AO-D-R0240-15-30-5-ACW**	ø 240 **H** 70	1,40
		> 80	1140 lm			microprisms	**AO-D-R0240-15-30-5-MP**		
		> 80	1010 lm	4000 K	neutral white	acrylic white	**AO-D-R0240-15-40-5-ACW**		
		> 80	1140 lm			mircoprisms	**AO-D-R0240-15-40-5-MP**		

MODULE 370

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	18 W	> 80	1930 lm	3000 K	warm white	acrylic white	**AO-D-R0370-18-30-5-ACW**	ø 370 **H** 70	3,20
		> 80	2030 lm			microprisms	**AO-D-R0370-18-30-5-MP**		
		> 80	2020 lm	4000 K	neutral white	acrylic white	**AO-D-R0370-18-40-5-ACW**		
		> 80	2130 lm			microprisms	**AO-D-R0370-18-40-5-MP**		

MODULE 450

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	22 W	> 80	2700 lm	3000 K	warm white	acrylic white	**AO-D-R0450-22-30-5-ACW**	ø 450 **H** 70	4,30
		> 80	2850 lm			microprisms	**AO-D-R0450-22-30-5-MP**		
		> 80	2830 lm	4000 K	neutral white	acrylic white	**AO-D-R0450-22-40-5-ACW**		
		> 80	2980 lm			microprisms	**AO-D-R0450-22-40-5-MP**		

MODULE 650

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	50 W	> 80	6190 lm	3000 K	warm white	acrylic white	**AO-D-R0650-50-30-5-ACW**	ø 650 **H** 70	8,90
		> 80	6520 lm			microprisms	**AO-D-R0650-50-30-5-MP**		
		> 80	6480 lm	4000 K	neutral white	acrylic white	**AO-D-R0650-50-40-5-ACW**		
		> 80	6830 lm			mircoprisms	**AO-D-R0650-50-40-5-MP**		
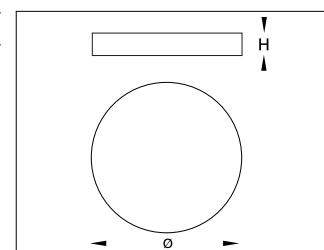
Supersky

Supersky is a representative range of lights which are incorporated into the environment as mounted and pendulum lights and radiate a pleasant and diffused light.
The homogeneous lighting of these area lights provides the prerequisite for demanding architectural lighting design. The diverse family of models with their circular form and direct radiating characteristics create an impressive atmosphere.
For the desired lighting mood, you can choose between a satinised cover and a micro-structured prism cover.
Mounted and pendulum lights offer the greatest possible flexibility for surface design also. The Supersky range is available in silver, white or black.

The family is expanded by the built-in version Sky.
Alongside the built-in version with visible installation frame in white, seamless integration into architectural projects is possible by way of the trimless version which does not have a frame.
Energy-efficient LEDs of the latest generation ensure homogeneous lighting, and optional dimming, for example, using the DALI signal.
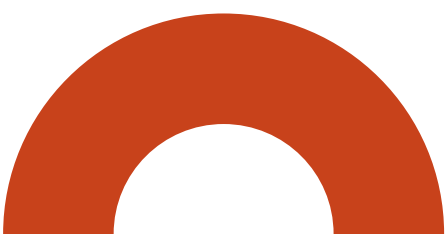
Supersky

> surface-mounted lamp with LED-technology
> direct emission characteristics
> thermal management with passive cooling

DETAILS
> housing made of aluminium, powdercoated or anodized
> supply unit integrated
> cover (diffusor) optional acrylic white flush or microprisms
> simple ceiling mounting

MORE
> colours: silver, black, white, anodised alu nature
> other versions and colours of light and dimmable versions are available on request

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

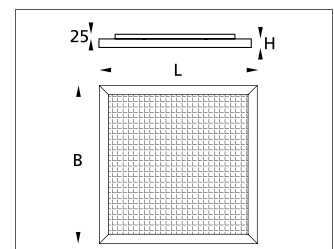ECG | RAL 9006 | RAL 9005 | RAL 9016 | EV1 ANODIZED | CE

MODULE 450 (ALL COLOURS AVAILABLE)

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	32 W	> 80	3150 lm	3000 K	warm white	acrylic white	**SY-D-0450-32-30-5-ACW**	ø 450 **H** 129	5,50
		> 80	3390 lm			microprisms	**SY-D-0450-32-30-5-MP**		
		> 80	3300 lm	4000 K	neutral white	acrylic white	**SY-D-0450-32-40-5-ACW**		
		> 80	3550 lm			microprisms	**SY-D-0450-32-40-5-MP**		

MODULE 650 (ALL COLOURS AVAILABLE)

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	75 W	> 80	7220 lm	3000 K	warm white	acrylic white	**SY-D-0650-75-30-5-ACW**	ø 650 **H** 129	10,00
		> 80	7750 lm			microprisms	**SY-D-0650-75-30-5-MP**		
		> 80	7560 lm	4000 K	neutral white	acrylic white	**SY-D-0650-75-40-5-ACW**		
		> 80	8120 lm			microprisms	**SY-D-0650-75-40-5-MP**		

MODULE 650 (ALL COLOURS AVAILABLE)

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	125 W	> 80	12120 lm	3000 K	warm white	acrylic white	**SY-D-0950-125-30-5-ACW**	ø 950 **H** 129	17,60
		> 80	13020 lm			microprisms	**SY-D-0950-125-30-5-MP**		
		> 80	12700 lm	4000 K	neutral white	acrylic white	**SY-D-0950-125-40-5-ACW**		
		> 80	13640 lm			microprisms	**SY-D-0950-125-40-5-MP**		

MODULE 1240 (NOT AVAILABLE IN COLOUR EV1 ANODISED NATURE)

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	220 W	> 80	22220 lm	3000 K	warm white	acrylic white	**SY-D-1240-220-30-5-ACW**	ø 1240 **H** 129	27,80
		> 80	23870 lm			microprisms	**SY-D-1240-220-30-5-MP**		
		> 80	23280 lm	4000 K	neutral white	acrylic white	**SY-D-1240-220-40-5-ACW**		
		> 80	25010 lm			microprisms	**SY-D-1240-220-40-5-MP**		

MODULE 1500 (NOT AVAILABLE IN COLOUR EV1 ANODISED NATURE)

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	300 W	> 80	30310 lm	3000 K	warm white	acrylic white	**SY-D-1500-300-30-5-ACW**	ø 1500 **H** 129	40,00
		> 80	31750 lm	4000 K	neutral white	acrylic white	**SY-D-1500-300-40-5-ACW**		

Möbelzentrale - Penzberg

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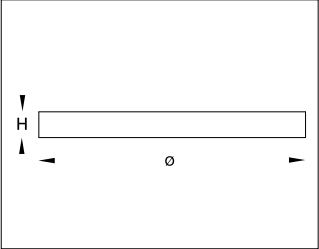
Practice Baku - Uhingen

Quadro Flat

Quadro Flat

> super flat surface-mounted lamp with LED-technology
> for homogeneous and sophisticated architectural lighting
> direct emission characteristics
> thermal management with passive cooling

DETAILS
> housing made of aluminium, powdercoated or anodized
> supply unit integrated
> cover (diffusor) optional acrylic white flush or microprisms

MORE
> colours: silver, black, white, anodised alu nature
> other versions and colours of light and dimmable versions are available on request

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG | | | RAL 9005 | RAL 9006 | RAL 9016 | EV1 ANODIZED | CE |

MODULE 060

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	42 W	> 80	4100 lm	3000 K	warm white	acrylic white	QF-D-060-830-5-ACW	L 617 B 617 H 84	8,00
		> 80	4400 lm			microprisms	QF-D-060-830-5-MP		
		> 80	4200 lm	4000 K	neutral white	acrylic white	QF-D-060-840-5-ACW		
		> 80	4500 lm			microprisms	QF-D-060-840-5-MP		

MODULE 090

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	94 W	> 80	9200 lm	3000 K	warm white	acrylic white	QF-D-090-830-5-ACW	L 887 B 887 H 50	15,00
		> 80	9800 lm			microprisms	QF-D-090-830-5-MP		
		> 80	9450 lm	4000 K	neutral white	acrylic white	QF-D-090-840-5-ACW		
		> 80	10150 lm			microprisms	QF-D-090-840-5-MP		

MODULE 120

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	164 W	> 80	16350 lm	3000 K	warm white	acrylic white	QF-D-120-830-5-ACW	L 1157 B 1157 H 50	24,50
		> 80	17500 lm			microprisms	QF-D-120-830-5-MP		
		> 80	16800 lm	4000 K	neutral white	acrylic white	QF-D-120-840-5-ACW		
		> 80	18000 lm			microprisms	QF-D-120-840-5-MP		

Suitable accessories

see chapter accessories.

Quadro Flat

> super flat surface-mounted lamp with LED-technology
> for homogeneous and sophisticated architectural lighting
> direct emission characteristics
> thermal management with passive cooling

DETAILS
> housing made of aluminium, powdercoated or anodized
> supply unit integrated
> cover (diffusor) optional acrylic white flush or microprisms

MORE
> colours: silver, black, white, anodised alu nature
> other versions and colours of light and dimmable versions are available on request
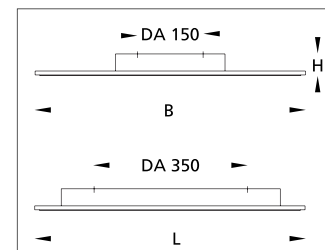
When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| | | ECG | | | RAL 9005 | RAL 9006 | RAL 9016 | EV1 ANODIZED | CE |

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.		Dimensions mm	kg
LED	15 W	> 80	1170 lm	3000 K	warm white	acrylic white	**QF-WD-030-830-5-ACW**		**L** 350 **B** 350 **H** 84	2,40
		> 80	1250 lm			microprisms	**QF-WD-030-830-5-MP**			
		> 80	1220 lm	4000 K	neutral white	acrylic white	**QF-WD-030-840-5-ACW**			
		> 80	1300 lm			microprisms	**QF-WD-030-840-5-MP**			
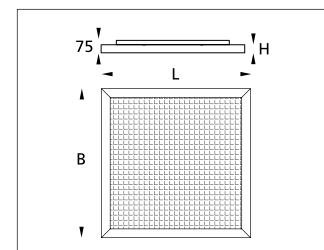
Flat Line

> super flat ceiling mounted luminaire with LED-technology
> for homogeneous and sophisticated architectural lighting
> direct emission characteristics
> thermal management with passive cooling

DETAILS
> housing made of aluminium, powdercoated or anodized
> supply unit integrated
> cover (diffusor) optional acrylic white flush or microprisms

MORE
> colours: silver, black, white, anodised alu nature
> other versions and colours of light and dimmable versions are
  available on request

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG | | | RAL 9016 | RAL 9005 | RAL 9006 | EV1 ANODIZED | CE |

MODULE 090

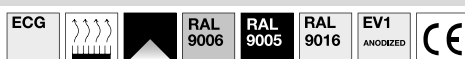| LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	33 W	> 80	3070 lm	3000 K	warm white	acrylic white	QG-D-090-830-5-ACW	L 887 B 350 H 50	5,00
		> 80	3290 lm			microprisms	QG-D-090-830-5-MP		
		> 80	3150 lm	4000 K	neutral white	acrylic white	QG-D-090-840-5-ACW		
		> 80	3380 lm			microprisms	QG-D-090-840-5-MP		

MODULE 120

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	42 W	> 80	4100 lm	3000 K	warm white	acrylic white	QG-D-120-830-5-ACW	L 1157 B 350 H 50	6,20
		> 80	4400 lm			microprisms	QG-D-120-830-5-MP		
		> 80	4200 lm	4000 K	neutral white	acrylic white	QG-D-120-840-5-ACW		
		> 80	4500 lm			microprisms	QG-D-120-840-5-MP		

MODULE 140

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	52 W	> 80	5100 lm	3000 K	warm white	acrylic white	QG-D-140-830-5-ACW	L 1427 B 350 H 82	7,10
		> 80	5480 lm			microprisms	QG-D-140-830-5-MP		
		> 80	5250 lm	4000 K	neutral white	acrylic white	QG-D-140-840-5-ACW		
		> 80	5630 lm			microprisms	QG-D-140-840-5-MP		
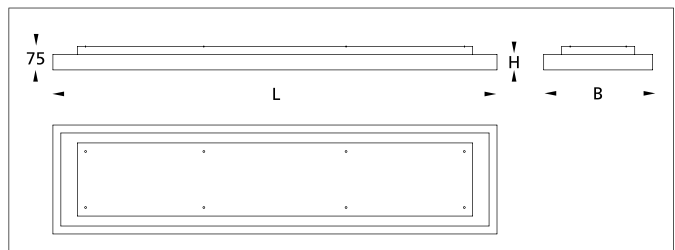
Claro

> extreme flat ceiling-mounted LED-lamp
> light surface with homogenous lighting
> direct emission characteristics
> thermal management with passive cooling

DETAILS
> housing made of aluminium, powdercoated
> supply unit integrated
> difuser opal white

MORE
> colours: white
> requested accessory to be ordered separately
> other versions and colours of light and dimmable versions are availa-
  ble on request

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

ECG EXTERNAL | RAL 9016 | CE

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.
LED	40 W	> 80	3400 lm	3000 K	warm white	**CO-D-060-E30-5**
				4000 K	neutral white	**CO-D-060-E40-5**

Dimensions mm			kg
L 617 **B** 617 **H** 50			4,40

DA 150

H

B

DA 350

L

Aero

> suspended lamp with LED-technology
> direct emission characteristics
> thermal management with passive cooling

DETAILS
> housing made of aluminium anodised or powdercoated
> supply unit integrated
> cover (diffusor) optional acrylic white flush or microprisms
> simple ceiling mounting

MORE
> colours: silver, black, white, anodised alu nature
> other versions and colours of light and dimmable versions are available on request
> required accessories (suspender set, ceiling canopy quadrate) to be ordered separately

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

ECG | RAL 9006 | RAL 9005 | RAL 9016 | EV1 ANODIZED | CE

MODULE 240

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	15 W	> 80	1010 lm	3000 K	warm white	acrylic white	AO-S-Q0240-15-30-5-ACW	L 240 B 240 H 70	1,50
		> 80	1160 lm			microprisms	AO-S-Q0240-15-30-5-MP		
		> 80	1010 lm	4000 K	neutral white	acrylic white	AO-S-Q0240-15-40-5-ACW		
		> 80	1160 lm			microprisms	AO-S-Q0240-15-40-5-MP		

MODUL 350

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	11 W	> 80	920 lm	3000 K	warm white	acrylic white	AO-S-Q0350-11-30-5-ACW	L 350 B 350 H 70	2,70
		> 80	1050 lm			microprisms	AO-S-Q0350-11-30-5-MP		
		> 80	920 lm	4000 K	neutral white	acrylic white	AO-S-Q0350-11-40-5-ACW		
		> 80	1080 lm			micorprisms	AO-S-Q0350-11-40-5-MP		

MODULE 600

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	38 W	> 80	3680 lm	3000 K	warm white	acrylic white	AO-S-Q0600-38-30-5-ACW	L 600 B 600 H 70	6,80
		> 80	4200 lm			microprisms	AO-S-Q0600-38-30-5-MP		
		> 80	3790 lm	4000 K	neutral white	acrylic white	AO-S-Q0600-38-40-5-ACW		
		> 80	4340 lm			microprisms	AO-S-Q0600-38-40-5-MP		

CANOPY SQUARE

description	OrderNo.
suspension set for suspensions, 4 suspensions, 2000 mm, canopy 80 x 80 mm, transparent cable 2000 mm, 5 x 0, 75 mm², incl. mounting material	Z-BA-Q80-SA-SET-2000

Aero

> suspended lamp with LED-technology
> direct emission characteristics
> thermal management with passive cooling

DETAILS
> housing made of aluminium, powdercoated or anodized
> supply unit integrated
> cover (diffusor) optional acrylic white flush or microprisms
> simple ceiling mounting

MORE
> colours: silver, black, white, anodised alu nature
> other versions and colours of light and dimmable versions are available on request
> required accessories (suspender set, ceiling canopy quadrate) to be ordered separately

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG | | | RAL 9006 | RAL 9005 | RAL 9016 | EV1 ANODIZED | CE |

MODULE 922

	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LM / LED	32 W	> 80	2460 lm	3000 K	warm white	acrylic white	**AO-S-L0922-32-30-5-ACW**	L 922 B 155 H 70	4,50
		> 80	2810 lm			microprisms	**AO-S-L0922-32-30-5-MP**		
		> 80	2680 lm	4000 K	neutral white	acrylic white	**AO-S-L0922-32-40-5-ACW**		
		> 80	3050 lm			microprisms	**AO-S-L0922-32-40-5-MP**		

MODULE 1222

	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LM / LED	42 W	> 80	3290 lm	3000 K	warm white	acrylic white	**AO-S-L1222-42-30-5-ACW**	L 1222 B 155 H 70	6,00
		> 80	3740 lm			microprisms	**AO-S-L1222-42-30-5-MP**		
		> 80	3580 lm	4000 K	neutral white	acrylic white	**AO-S-L1222-42-40-5-ACW**		
		> 80	4070 lm			microprisms	**AO-S-L1222-42-40-5-MP**		

MODULE 1522

	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LM / LED	54 W	> 80	4110 lm	3000 K	warm white	acrylic white	**AO-S-L1522-54-30-5-ACW**	L 1522 B 155 H 70	7,00
		> 80	4680 lm			microprisms	**AO-S-L1522-54-30-5-MP**		
		> 80	4470 lm	4000 K	neutral white	acrylic white	**AO-S-L1522-54-40-5-ACW**		
		> 80	5030 lm			microprisms	**AO-S-L1522-54-40-5-MP**		

CANOPY SQUARE

description	OrderNo.
suspension set for suspensions, 4 suspensions, 2000 mm, canopy 80 x 80 mm, transparent cable 2000 mm, 5 x 0, 75 mm², incl. mounting material	**Z-BA-Q80-SA-SET-2000**

Aero

> suspended lamp with LED-technology
> direct emission characteristics
> thermal management with passive cooling

DETAILS
> housing made of aluminium, powdercoated or anodized
> supply unit integrated
> cover (diffusor) optional acrylic white flush or microprisms
> simple ceiling mounting

MORE
> colours: silver, black, white, anodised Alu nature
> other versions and colours of light and dimmable versions are available on request
> required accessories (suspension set, canopy round) to be ordered separately

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG | }}}} | ▲ | RAL 9006 | RAL 9005 | RAL 9016 | EV1 ANODIZED | C€ |
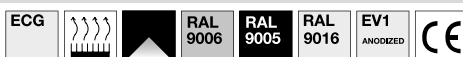
MODULE 240

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	15 W	> 80	1010 lm	3000 K	warm white	acrylic white	**AO-S-R0240-15-30-5-ACW**	ø 240 **H** 70	1,40
		> 80	1140 lm			microprisms	**AO-S-R0240-15-30-5-MP**		
		> 80	1010 lm	4000 K	neutral white	acrylic white	**AO-S-R0240-15-40-5-ACW**		
		> 80	1140 lm			miocroprisms	**AO-S-R0240-15-40-5-MP**		

MODULE 370

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	18 W	> 80	1930 lm	3000 K	warm white	acrylic white	**AO-S-R0370-18-30-5-ACW**	ø 370 **H** 70	2,60
		> 80	2030 lm			microprisms	**AO-S-R0370-18-30-5-MP**		
		> 80	2020 lm	4000 K	neutral white	acrylic white	**AO-S-R0370-18-40-5-ACW**		
		> 80	2130 lm			microprisms	**AO-S-R0370-18-40-5-MP**		

MODULE 450

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	22 W	> 80	2700 lm	3000 K	warm white	acrylic white	**AO-S-R0450-22-30-5-ACW**	ø 450 **H** 70	3,20
		> 80	2850 lm			microprisms	**AO-S-R0450-22-30-5-MP**		
		> 80	2830 lm	4000 K	neutral white	acrylic white	**AO-S-R0450-22-40-5-ACW**		
		> 80	2980 lm			mircoprisms	**AO-S-R0450-22-40-5-MP**		

MODULE 650

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	50 W	> 80	6190 lm	3000 K	warm white	acrylic white	**AO-S-R0650-50-30-5-ACW**	ø 650 **H** 70	6,20
		> 80	6520 lm			mircoprisms	**AO-S-R0650-50-30-5-MP**		
		> 80	6480 lm	4000 K	neutral white	acrylic white	**AO-S-R0650-50-40-5-ACW**		
		> 80	6830 lm			microprisms	**AO-S-R0650-50-40-5-MP**		
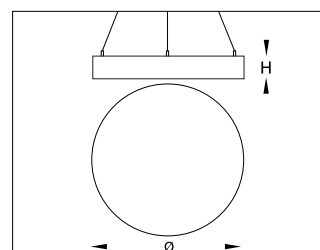
Shoe Town Werdich- Stuttgart

CANOPY SQUARE

description	OrderNo.
suspension set for suspensions, 4 suspensions, 2000 mm, canopy 80 x 80 mm, transparent cable 2000 mm, 5 x 0, 75 mm², incl. mounting material	**Z-BA-Q80-SA-SET-2000**

Edeka Schenke - Bielefeld

Ringo

> representative suspended lamp with LED-technology
> direct emission characteristics
> thermal management with passive cooling

DETAILS
> housing made of aluminium, powdercoated or anodized
> supply unit integrated
> cover (diffusor) acrylic white
> simple mounting

MORE
> colours: silver, black, white, anodised alu nature
> other versions and colours of light and dimmable versions are
  available on request
> required accessories (steel suspension ø 1,50 mm, ceiling
  mounted and connecting wire) to be ordered separately

When ordering, always specify the desired colour.
At time of print.
*Current technical data and information, see www.rucolicht.de*

| ECG | 〉〉〉 | ■ | RAL 9006 | RAL 9005 | RAL 9016 | CE |
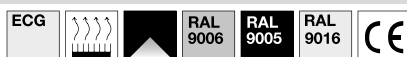
LM	power	CRI	light flux	Kelvin	light colour	OrderNo.
LED	38 W	> 80	2170 lm	3000 K	warm white	**RO-S-616-38-30-5-ACW**
		> 80	2260 lm	4000 K	neutral white	**RO-S-616-38-40-5-ACW**

Dimensions mm	kg
ø 616 **H** 70	7,40

350

H

ø
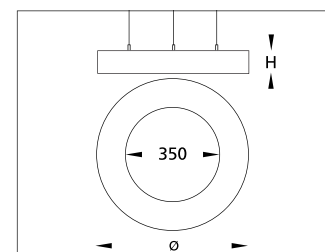
Supersky

> suspended lamp with LED-technology
> direct emission characteristics
> thermal management with passive cooling

DETAILS
> housing made of aluminium, powdercoated or anodized
> supply unit integrated
> cover (diffusor) optional acrylic white flush or microprisms
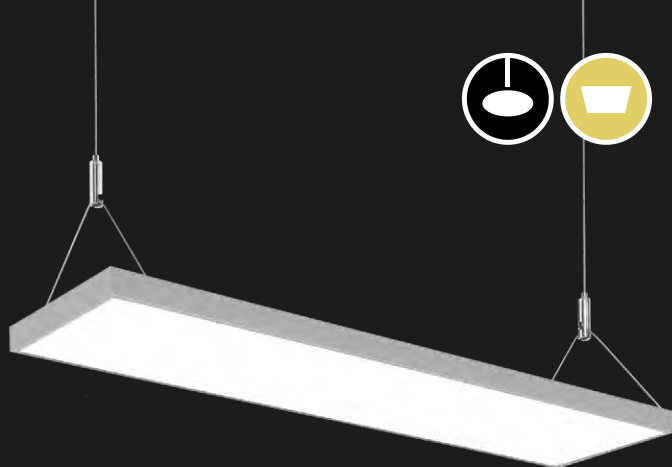> simple ceiling mounting

MORE
> colours: silver, black, white, anodised Alu nature
> other versions and colours of light and dimmable versions are available on request
> required accessories (steel suspension ø 1,50 mm, ceiling mounted and connecting line) to be ordered separately

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

ECG | RAL 9006 | RAL 9005 | RAL 9016 | EV1 ANODIZED | CE

MODULE 450 (ALL COLOURS AVAILABLE)

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm		kg
LED	32 W	> 80	3150 lm	3000 K	warm white	acrylic white	**SY-S-0450-32-30-5-ACW**	ø 450	**H** 129	5,50
		> 80	3390 lm			microprisms	**SY-S-0450-32-30-5-MP**			
		> 80	3300 lm	4000 K	neutral white	acrylic white	**SY-S-0450-32-40-5-ACW**			
		> 80	3550 lm			micorprisms	**SY-S-0450-32-40-5-MP**			

MODULE 650 (ALL COLOURS AVAILABLE)

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm		kg
LED	75 W	> 80	7220 lm	3000 K	warm white	acrylic white	**SY-S-0650-75-30-5-ACW**	ø 650	**H** 129	10,00
		> 80	7750 lm			microprisms	**SY-S-0650-75-30-5-MP**			
		> 80	7560 lm	4000 K	neutral white	acrylic white	**SY-S-0650-75-40-5-ACW**			
		> 80	8120 lm			microprisms	**SY-S-0650-75-40-5-MP**			

CANOPY ROUND

description	OrderNo.
suspension set for wire suspension, 3 suspensione, 2000 mm, canopy diameter 100 mm, transparent cable 2000 m, 5 x 0,75 mm², incl. mounting material	**Z-BA-R100-SA-SET-2000**

Suitable accessories
see chapter accessories.

MODULE 950 (ALL COLOURS AVAILABLE)

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	125 W	> 80	12120 lm	3000 K	warm white	acrylic white	**SY-S-0950-125-30-5-ACW**	ø 950 **H** 129	17,60
		> 80	13020 lm			microprisms	**SY-S-0950-125-30-5-MP**		
		> 80	12700 lm	4000 K	neutral white	acrylic white	**SY-S-0950-125-40-5-ACW**		
		> 80	13640 lm			microprisms	**SY-S-0950-125-40-5-MP**		

MODULE 1240 (NOT AVAILABLE IN COLOUR EV1 ANODISED NATURE)

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	220 W	> 80	22220 lm	3000 K	warm white	acrylic white	**SY-S-1240-220-30-5-ACW**	ø 1240 **H** 129	27,80
		> 80	23870 lm			microprisms	**SY-S-1240-220-30-5-MP**		
		> 80	23280 lm	4000 K	neutral white	acrylic white	**SY-S-1240-220-40-5-ACW**		
		> 80	25010 lm			micorprisms	**SY-S-1240-220-40-5-MP**		

MODULE 1500 (NOT AVAILABLE IN COLOUR EV1 NODISED NATURE)

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	300 W	> 80	30310 lm	3000 K	warm white	acrylic white	**SY-S-1500-300-30-5-ACW**	ø 15600 **H** 129	40,00
		> 80	31750 lm	4000 K	neutral white	acrylic white	**SY-S-1500-300-40-5-ACW**		
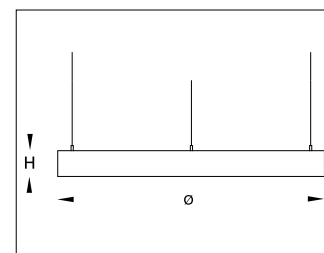
CANOPY SQUARE

description	OrderNo.
suspension set for suspensions, 4 suspensions, 2000 mm, canopy 80 x 80 mm, transparent cable 2000 mm, 5 x 0, 75 mm², incl. mounting material	**Z-BA-Q80-SA-SET-2000**

Suitable accessories
see chapter accessories.

Quadro Flat

> super flat suspended lamp with LED-technology
> for homogeneous and sophisticated architectural lighting
> direct emission characteristics
> thermal management with passive cooling

DETAILS
> housing made of aluminium, powdercoated or anodized
> supply unit integrated
> cover (diffusor) optional acrylic white flush or microprisms

MORE
> colours: silver, black, white, anodised alu nature
> other versions and colours of light and dimmable versions are available on request
> required accessories (steel suspension ø 1,00 mm, ceiling mounted and connecting wire) to be ordered separately

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

ECG | | | RAL 9005 | RAL 9006 | RAL 9016 | EV1 ANODIZED | CE

MODULE 060

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	42 W	> 80	4100 lm	3000 K	warm white	acrylic white	QF-S-060-830-5-ACW	L 617 B 617 H 50	5,40
		> 80	4400 lm			microprisms	QF-S-060-830-5-MP		
		> 80	4200 lm	4000 K	neutral white	acrylic white	QF-S-060-840-5-ACW		
		> 80	4500 lm			microprisms	QF-S-060-840-5-MP		

MODULE 090

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	94 W	> 80	9200 lm	3000 K	warm white	acrylic white	QF-S-090-830-5-ACW	L 887 B 887 H 82	9,40
		> 80	9800 lm			microprisms	QF-S-090-830-5-MP		
		> 80	9450 lm	4000 K	neutral white	acrylic white	QF-S-090-840-5-ACW		
		> 80	10150 lm			microprisms	QF-S-090-840-5-MP		

MODULE 120

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	164 W	> 80	16350 lm	3000 K	warm white	acrylic white	QF-S-120-830-5-ACW	L 1157 B 1157 H 50	14,50
		> 80	17500 lm			microprisms	QF-S-120-830-5-MP		
		> 80	16800 lm	4000 K	neutral white	acrylic white	QF-S-120-840-5-ACW		
		> 80	18000 lm			microprisms	QF-S-120-840-5-MP		
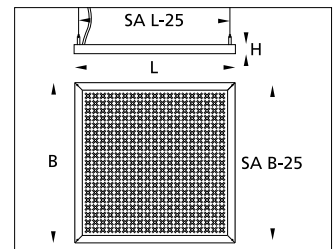
Suitable accessories
see chapter accessories.

Flat Line

> super flat suspended luminaire with LED-technology
> for homogeneous and sophisticated architectural lighting
> direct emission characteristics
> thermal management with passive cooling

DETAILS
> housing made of aluminium, powdercoated or anodized
> supply unit integrated
> cover (diffusor) optional acrylic white flush or microprisms

MORE
> colours: silver, black, white, anodised alu nature
> other versions and colours of light and dimmable versions are available on request
> required accessories (steel suspension ø 1,50 mm, ceiling mounted and connecting wire) to be ordered separately

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG | | | RAL 9005 | RAL 9006 | RAL 9016 | EV1 ANODIZED | CE |

MODULE 090

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	33 W	> 80	3070 lm	3000 K	warm white	acrylic white	QG-S-090-830-5-ACW	L 887 B 350 H 50	5,00
		> 80	3290 lm			microprisms	QG-S-090-830-5-MP		
		> 80	3150 lm	4000 K	neutral white	acrylic white	QG-S-090-840-5-ACW		
		> 80	3380 lm			microprisms	QG-S-090-840-5-MP		

MODULE 120

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	42 W	> 80	4100 lm	3000 K	warm white	acrylic white	QG-S-120-830-5-ACW	L 1157 B 350 H 50	6,20
		> 80	4400 lm			microprisms	QG-S-120-830-5-MP		
		> 80	4200 lm	4000 K	neutral white	acrylic white	QG-S-120-840-5-ACW		
		> 80	4500 lm			microprisms	QG-S-120-840-5-MP		

MODULE 140

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	52 W	> 80	5100 lm	3000 K	warm white	acrylic white	QG-S-140-830-5-ACW	L 1427 B 350 H 82	7,10
		> 80	5480 lm			microprisms	QG-S-140-830-5-MP		
		> 80	5250 lm	4000 K	neutral white	acrylic white	QG-S-140-840-5-ACW		
		> 80	5630 lm			microprisms	QG-S-140-840-5-MP		
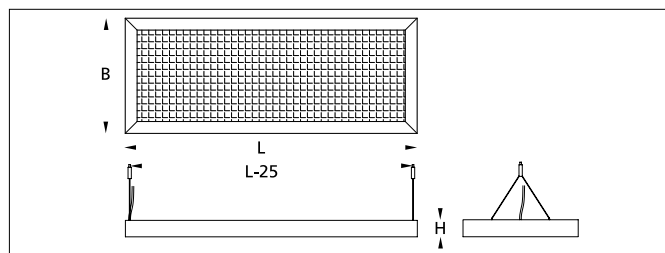
Suitable accessories
see chapter accessories.

Claro

> extreme flat suspended luminaire with LED-technology
> light surface with homogenous lighting
> direct emission characteristics
> thermal management with passive cooling

DETAILS
> housing made of aluminium, metal powdercoated
> supply unit integrated
> difuser opal white

MORE
> colours: white
> other versions and colours of light and dimmable versions
  are available on request
> required accessories (steel suspension ø 1,50 mm, ceiling
  mounted and connecting wire) to be ordered separately

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

ECG EXTERNAL			RAL 9016	CE

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.
LED	40 W	> 80	3400 lm	3000 K	warm white	**CO-S-060-E30-5**
				4000 K	neutral white	**CO-S-060-E40-5**

Dimensions mm	kg
L 617 **B** 617 **H** 45	4,40
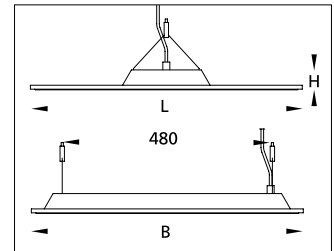
Suitable accessories
see chapter accessories.

Claro

> extreme flat track luminaire with LED-technology
> light surface with homogenous lighting
> direct emission characteristics
> thermal management with passive cooling

DETAILS
> housing made of aluminium, metal powdercoated
> supply unit integrated
> cover opal white
> adapter for 3-phase track

MORE
> colours: white
> other versions and colours of light and dimmable versions are
  available on request

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

ECG			RAL 9016	CE

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.
LED	40 W	> 80	3400 lm	3000 K	warm white	**CO-A-060-E30-5**
				4000 K	neutral white	**CO-A-060-E40-5**

Dimensions mm	kg
L 617 **B** 617 **H** 45	4,40
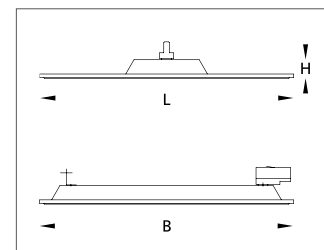
Sky

> recessed lamp with decreet edge for flush ceiling optic in LED-technology
> direct emission characteristics
> thermal management with passive cooling

DETAILS
> housing made of metal powdercoated
> supply unit integrated
> cover (diffusor) optional acrylic white flush or microprisms
> simple mounting

MORE
> colours: silver, black, white, anodised nature
> other versions and colours of light and dimmable versions are available on request

When ordering, always specify the desired colour.
*At time of print.*
Current technical data and information, see www.rucolicht.de

| ECG | 〉〉〉〉 | ◣ | RAL 9016 | C E |

MODULE 384

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	24 W	> 80	1460 lm	3000 K	warm white	acrylic white	**SD-E-0384-24-30-5-ACW**	ø 384 **H** 125	3,50
		> 80	1620 lm			micorprisms	**SD-E-0384-24-30-5-MP**	øE 376 **HE** 140	
		> 80	2360 lm	4000 K	neutral white	acrylic white	**SD-E-0384-24-40-5-ACW**		
		> 80	2540 lm			micorprisms	**SD-E-0384-24-40-5-MP**		

MODULE 464

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	33 W	> 80	2190 lm	3000 K	warm white	acrylic white	**SD-E-0464-33-30-5-ACW**	ø 464 **H** 125	4,30
		> 80	2440 lm			micorprisms	**SD-E-0464-33-30-5-MP**	øE 456 **HE** 140	
		> 80	3300 lm	4000 K	neutral white	acrylic white	**SD-E-0464-33-40-5-ACW**		
		> 80	3550 lm			micorprisms	**SD-E-0464-33-40-5-MP**		

MODULE 664

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	75 W	> 80	4730 lm	3000 K	warm white	acrylic white	**SD-E-0664-75-30-5-ACW**	ø 664 **H** 125	11,00
		> 80	5260 lm			micorprisms	**SD-E-0664-75-30-5-MP**	øE 670 **HE** 140	
		> 80	7560 lm	4000 K	neutral white	acrylic white	**SD-E-0664-75-40-5-ACW**		
		> 80	8120 lm			micorprisms	**SD-E-0664-75-40-5-MP**		

MODULE 964

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	125 W	> 80	12120 lm	3000 K	warm white	acrylic white	**SD-E-0964-125-30-5-ACW**	**ø** 964 **H** 125	15,00
		> 80	13020 lm			microprisms	**SD-E-0964-125-30-5-MP**	**øE** 970 **HE** 140	
		> 80	12700 lm	4000 K	neutral white	acrylic white	**SD-E-0964-125-40-5-ACW**		
		> 80	13640 lm			microprisms	**SD-E-0964-125-40-5-MP**		

MODULE 1254

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	220 W	> 80	22220 lm	3000 K	warm white	acrylic white	**SD-E-1254-220-30-5-ACW**	**ø** 1254 **H** 125	26,50
		> 80	23280 lm	4000 K	neutral white	acrylic white	**SD-E-1254-220-40-5-ACW**	**øE** 1280 **HE** 140	
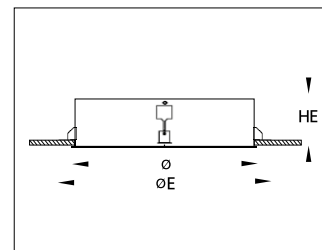
Sky Trimless

> seamless recessed lamp (trimless) for flush ceiling optic in LED-technology
> direct emission characteristics
> thermal management with passive cooling

DETAILS
> housing made of metal powdercoated
> supply unit integrated
> mounting into plasterboard ceiling with drywall screws
> flush plastering of light is required
> cover (diffusor) optional opal white or microprisms

MORE
> colour: alu nature
> other versions and colours of light and dimmable versions are available on request
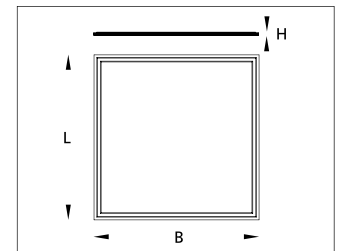
When ordering, always specify the desired colour.
At time of print.
*Current technical data and information, see www.rucolicht.de*

| ECG | | | ALU | CE |

MODULE 384

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	24 W	> 80	1460 lm	3000 K	warm white	acrylic white	**SD-T-0384-24-30-5-ACW**	**ø** 384 **H** 125	3,50
		> 80	1620 lm			microprisms	**SD-T-0384-24-30-5-MP**	**øE** 390 **HE** 140	
		> 80	2360 lm	4000 K	neutral white	acrylic white	**SD-T-0384-24-40-5-ACW**		
		> 80	2540 lm			microprisms	**SD-T-0384-24-40-5-MP**		

MODULE 464

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	33 W	> 80	2190 lm	3000 K	warm white	acrylic white	**SD-T-0464-33-30-5-ACW**	**ø** 464 **H** 125	4,30
		> 80	2440 lm			microprisms	**SD-T-0464-33-30-5-MP**	**øE** 470 **HE** 140	
		> 80	3300 lm	4000 K	neutral white	acrylic white	**SD-T-0464-33-40-5-ACW**		
		> 80	3550 lm			microprisms	**SD-T-0464-33-40-5-MP**		

MODULE 664

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	75 W	> 80	4730 lm	3000 K	warm white	acrylic white	**SD-T-0664-75-30-5-ACW**	**ø** 664 **H** 125	11,00
		> 80	5260 lm			microprisms	**SD-T-0664-75-30-5-MP**	**øE** 670 **HE** 140	
		> 80	7560 lm	4000 K	neutral white	acrylic white	**SD-T-0664-75-40-5-ACW**		
		> 80	8120 lm			microprisms	**SD-T-0664-75-40-5-MP**		

MODULE 964

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	125 W	> 80	12120 lm	3000 K	warm white	acrylic white	**SD-T-0964-125-30-5-ACW**	**ø** 964 **H** 125	15,00
		> 80	13020 lm			microprisms	**SD-T-0964-125-30-5-MP**	**øE** 970 **HE** 140	
		> 80	12700 lm	4000 K	neutral white	acrylic white	**SD-T-0964-125-40-5-ACW**		
		> 80	13640 lm			microrpsims	**SD-T-0964-125-40-5-MP**		

MODULE 1254

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	220 W	> 80	22220 lm	3000 K	warm white	acrylic white	**SD-T-1254-220-30-5-ACW**	**ø** 1254 **H** 125	26,50
		> 80	23280 lm	4000 K	neutral white	acrylic white	**SD-T-1254-220-40-5-ACW**	**øE** 1260 **HE** 140	
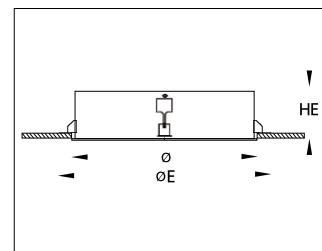
Quadro Flat

> recessed or inlayed luminaire with LED-technology
> for suspended ceiling systems with visible T-profile module 625
> for homogeneous and sophisticated architectural lighting
> direct emission characteristics
> thermal management with passive cooling

DETAILS
> metal housing
> supply unit integrated
> cover (diffusor) optional acrylic white flush or microprisms

MORE
> colours: white
> other versions and colours of light and dimmable versions are available on request

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

ECG | RAL 9016 | CE

MINERAL FIBER CEILING

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	42 W	> 80	4100 lm	3000 K	warm white	acrylic white	**QF-O-060-830-5-ACW**	**L** 617 **B** 617 **H** 60	8,00
		> 80	4400 lm			microprisms	**QF-O-060-830-5-MP**		
		> 80	4200 lm	4000 K	neutral white	acrylic white	**QF-O-060-840-5-ACW**		
		> 80	4500 lm			microprisms	**QF-O-060-840-5-MP**		

PLASTERBOARD CEILING

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.	Dimensions mm	kg
LED	42 W	> 80	4100 lm	3000 K	warm white	acrylic white	**QF-E-060-830-5-ACW**	**L** 617 **B** 617 **H** 60	5,60
		> 80	4400 lm			microprisms	**QF-E-060-830-5-MP**	**LE** 645 **BE** 645 **HE** 90	
		> 80	4200 lm	4000 K	neutral white	acrylic white	**QF-E-060-840-5-ACW**		
		> 80	4500 lm			microprisms	**QF-E-060-840-5-MP**		
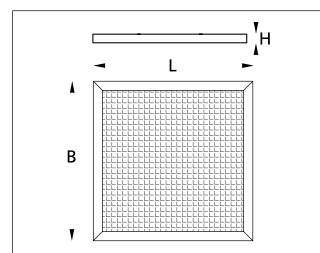
Quadro Flat

> inlayed luminaire with LED-technology
> extreme flat form 75 mm
> direct emission characteristic
> thermal management with passive cooling

DETAILS
> metal housing
> supply unit integrated
> cover (diffusor) optional acrylic white flush or microprisms

MORE
> colours: white
> other versions and colours of light and dimmable versions are available on request

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

ECG		RAL 9016	CE

LM	power	CRI	light flux	Kelvin	light colour	cover	OrderNo.
LED	15 W	> 80	1170 lm	3000 K	warm white	acrylic white	**QT-E-030-830-5-ACW**
		> 80	1250 lm			microprisms	**QT-E-030-830-5-MP**
		> 80	1220 lm	4000 K	neutral white	acrylic white	**QT-E-030-840-5-ACW**
		> 80	1300 lm			microprisms	**QT-E-030-840-5-MP**

Dimensions mm	kg
L 320 **B** 320 **H** 80	2,10
LE 300 **BE** 300 **HE** 80	
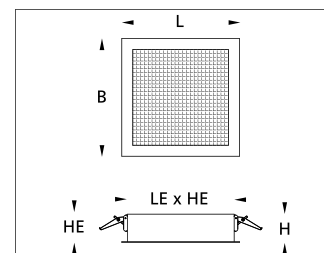
Practice Reichmann - Bad Säckingen

Claro

> extreme flat inlayed LED-luminaire with LED-technology
> for suspended ceiling systems with visible T-profile module 625
> light surface with homogenous lighting
> direct emission characteristics
> thermal management with passive cooling

DETAILS
> housing made of aluminium, metal powdercoated
> supply unit integrated
> diffuser opal white

MORE
> colours: white
> other versions and colours of light and dimmable versions are
  available on request

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

	power	CRI	light flux	Kelvin	light colour	OrderNo.
LED	40 W	> 80	3400 lm	3000 K	warm white	**CO-O-060-E30-5**
				4000 K	neutral white	**CO-O-060-E40-5**

Dimensions mm	kg
L 617 **B** 617 **H** 12	4,40

Light Cube

> frameless optic
> absolute made, perfect edge cut
> LED-technology with long life and uniform illumination
> different lighting moods from dull to very bright
> customized dimensions
> individual printing
> simple motivational change

DETAILS
> aluminium profile frame construction, frame EV1 anodised
> electrical connection in corner of profile
> connection 3 m, shock-proof plug
> printing file format: high-definition PDF

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

EV1 ANODIZED CE

INSTALLATION DEPTH 100 MM

LM	CRI	power	light flux	Kelvin	light colour	OrderNo.	width mm	heigth mm
LED	> 80	32,5 W/qm	2800 lm/qm	6500 K	cold white	LKLED-1200-2500-100	2500	1200
						LKLED-2200-1000-100	1000	2200
						LKLED-2400-1500-100	1500	2400
						LKLED-2400-2000-100	2000	2400
						LKLED-2500-1250-100	1250	2500
						LKLED-2500-1500-100	1500	2500
						LKLED-2500-1800-100	1800	2500

INSTALLATION DEPTH 120 MM

LM	CRI	power	light flux	Kelvin	light colour	OrderNo.	width mm	heigth mm
LED	> 80	32,5 W/qm	2800 lm/qm	6500 K	cold white	LKLED-2500-1300-120	1300	2500
						LKLED-2500-1500-120	1500	2500
						LKLED-2500-2500-120	2500	2500
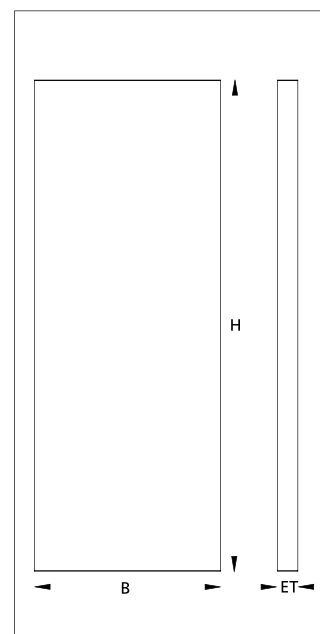
Bauxpert Schulte - Papenburg
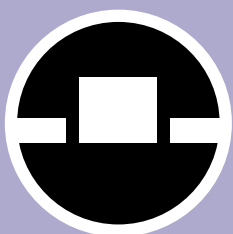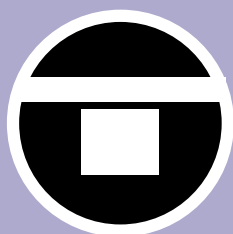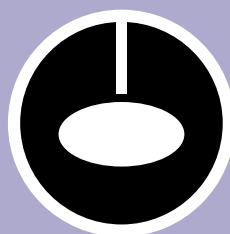
RECESSED **MOUNTED** **SUSPENDED**

LED
LIGHT
SYSTEMS
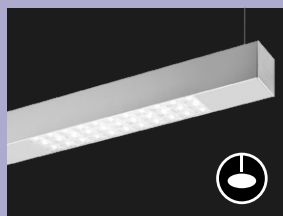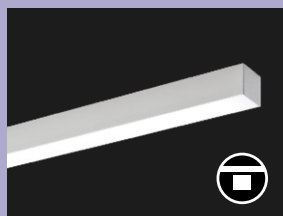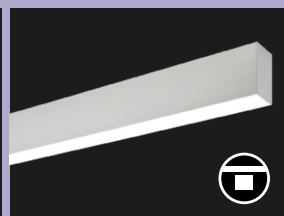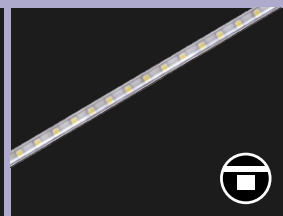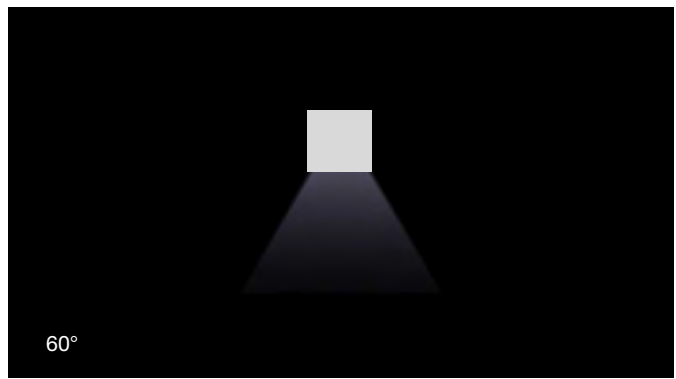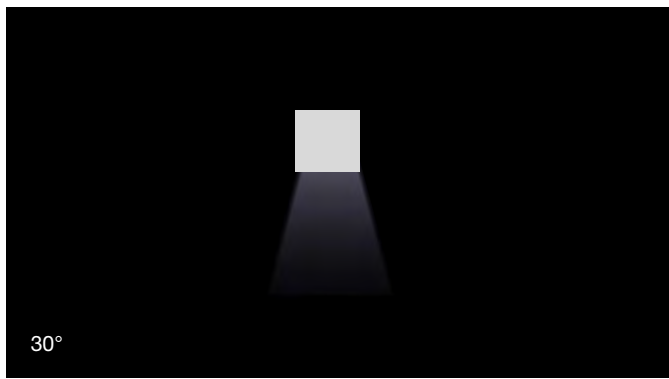
Vario

Vario is the perfect product for lighting aisles and floors.

Optimally planned by the RUCO light team. Tailored to the differing requirements of the users.

Efficient profile track system with a variety of application-optimised looks and three different lighting current packages (X3 / X4 / X5).

The profile tracks are pre-wired with electrical wiring so that the separate light inserts can be electrified with the connector.

All components are connected without the need for tools.

90°

Batwing
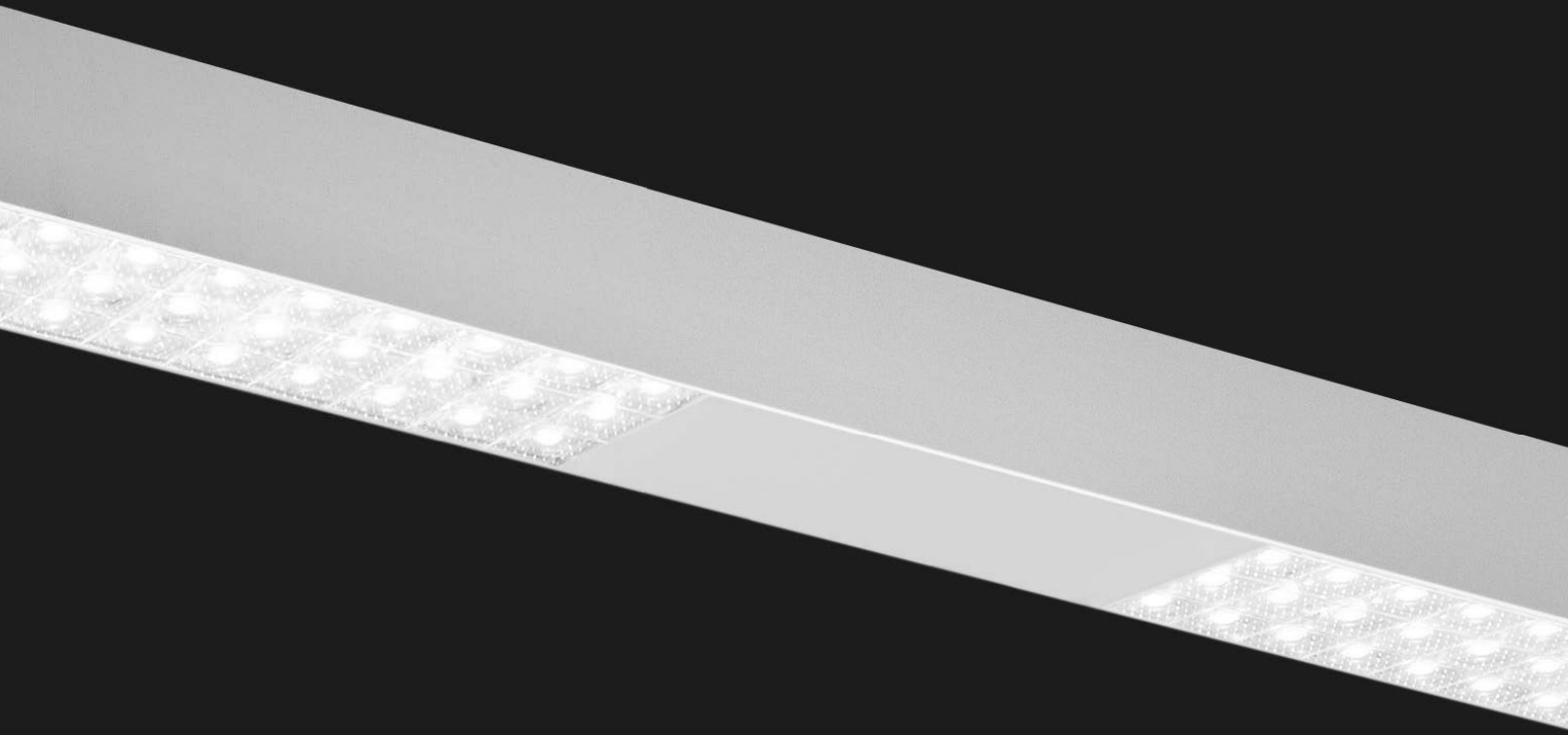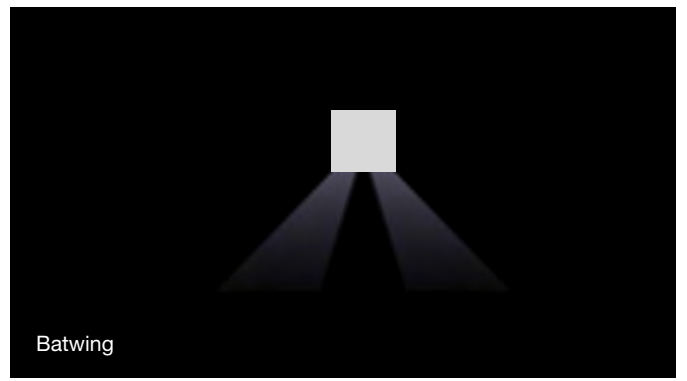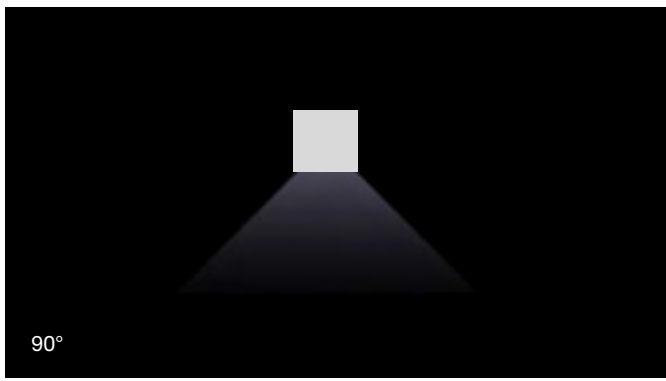
**Aluminium Profile
62/60**

62

60
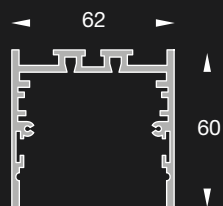
**PACKAGE
X3**

Standard length 2400

Standard length 2400

LED-Insert X3 2400

LED-Insert X3 800

**PACKAGE
X4**

Standard length 2400

Standard length 2400

LED-Insert X4 2400

LED-Insert X4 1200

**PACKAGE
X5**

Standard length 2400

Standard length 2400

LED-Insert X5 2400

LED-Insert X5 960

Standard length X3 800

LED-Insert X3 2400

Fitting length X4 1200

LED-Insert X4 2400

Fitting length X5 960

LED-Insert X5 2400
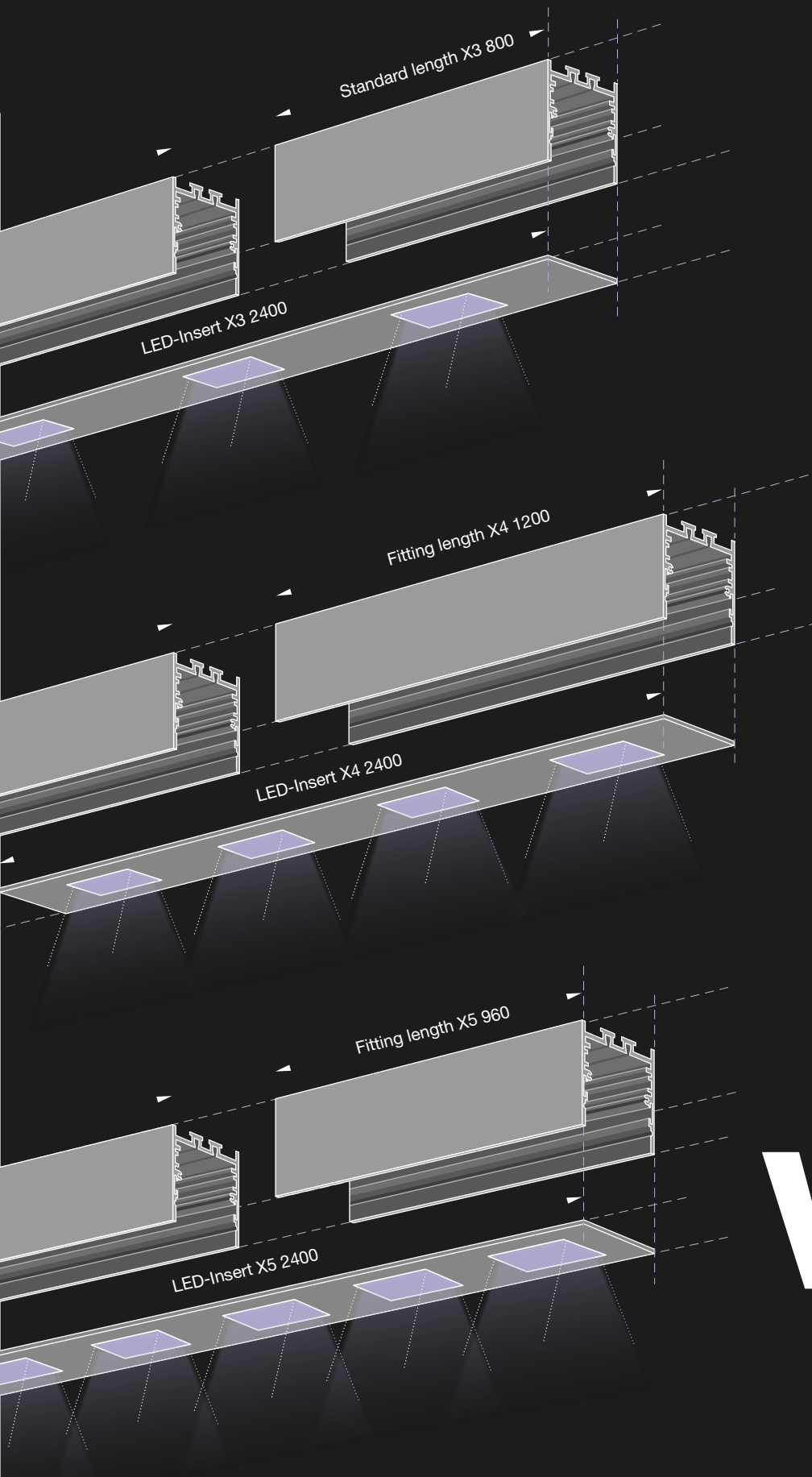
Characteristics

> profile track system
  made of aluminium, anodised alu nature
> three packages light flux
  in 2400mm length
  light flux up to 5200 lm
  with 3 LED-modules (2400mm)
  light flux up to 6950 lm
  with 4 LED-modules (2400mm)
  light flux up to 8700 lm
  with 5 LED-modules (2400mm)
> four selectable optics:
  narrow beam 30°,
  medium beam 60°,
  wide beam 90°,
  twice-asymmetrically (Batwing)
> two light colours:
  neutral white (4.000 K) and
  warm white (3.000 K), very good
  colour rendering CRI >80 or
  optional CRI >90
> lifespan:
  50.000 hours (L80)
> easy construction
  with click-system
> dimmable versions are available
  on request

Vario
LED
Principle

Primacasa - Lörrach

OVERVIEW OF EXEMPLARY LENGTHS AND LIGHT PACKAGES

X3

length mm	light colour	light flux	light flux/W
5600	3000 K	10703	111
	4000 K	11242	117
8000	3000 K	15290	113
	4000 K	16060	118
10400	3000 K	19877	113
	4000 K	20878	119
12800	3000 K	24464	114
	4000 K	25696	119
15200	3000 K	29051	114
	4000 K	30514	120
17600	3000 K	33638	114
	4000 K	35332	120
20000	3000 K	38225	114
	4000 K	40150	120
22400	3000 K	42812	114
	4000 K	44968	120
24800	3000 K	47399	114
	4000 K	49786	120

X4

length mm	light colour	light flux	light flux/W
6000	3000 K	15290	117
	4000 K	16060	123
8400	3000 K	21406	117
	4000 K	22484	123
10800	3000 K	27522	118
	4000 K	28908	123
13200	3000 K	33638	118
	4000 K	35332	124
15600	3000 K	39754	118
	4000 K	41756	124
18000	3000 K	45870	118
	4000 K	48180	124
20400	3000 K	51986	118
	4000 K	54604	124
22800	3000 K	58102	118
	4000 K	61028	124
25200	3000 K	64218	118
	4000 K	67452	124

VarioLED

X5

length mm	light colour	light flux	light flux/W
5760	3000 K	18348	119
	4000 K	19272	125
8160	3000 K	25993	119
	4000 K	27302	125
10560	3000 K	33638	120
	4000 K	35332	126
12960	3000 K	41283	120
	4000 K	43362	126
15360	3000 K	48928	120
	4000 K	51392	126
17760	3000 K	56573	120
	4000 K	59422	126
20160	3000 K	64218	120
	4000 K	67452	126
22560	3000 K	71863	120
	4000 K	75482	126
24960	3000 K	79508	120
	4000 K	83512	127

Prices for example lengths and light packages can be found in our current **Price List Selection LED #17**.
The example prices include all necessary accessories, but do not include connection of cables and fixture.

Our specialists in planning and sales will work with you to design your illumination concept on the basis of your room data or floor plan. We will create a project-specific lighting solution for you. After planning the illumination, all the required system components will be determined and recorded.

Speak to us, we will plan your individual VarioLED system!

Variation mounted, cover acrylic above

Variation recessed, microprisms

Variation recessed, cover acrylic above

Variation mounted, cover acrylic
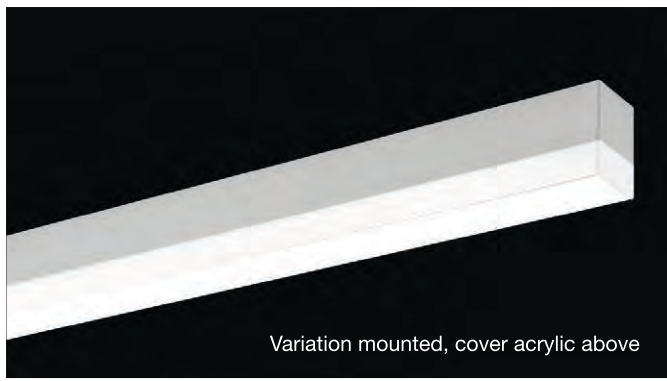
Filigree LED lighting system with homogeneous lighting distribution for seamless integration in architectural projects. Here, the miniaturisation of LED technology has been implemented consistently. As built-in, mounted or pendulum lights with a variety of different lighting technology, simple lighting lines or demanding projects may be implemented.

MiLED 36

VARIATION SUSPENDED

wire length
according
to needs

27,5

36

wire length
according
to needs

42

15

36

VARIATION MOUNTED

27,5

36

42

15

36

VARIATION RECESSED

36

26,3

DA 37

50

36

42

15

DA 37

50

236
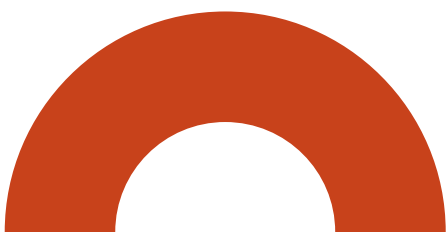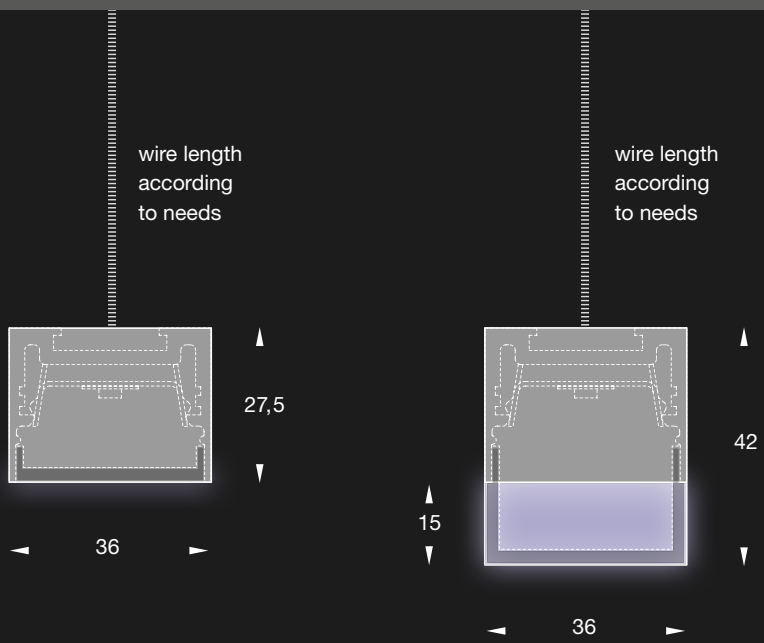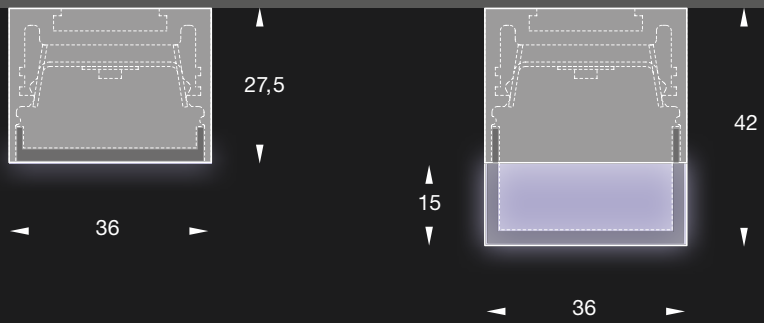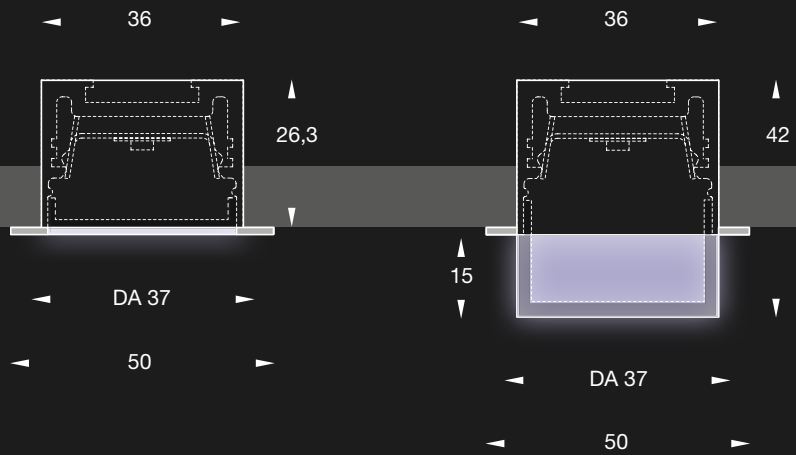
MiLED 36
Principle

36

27,5
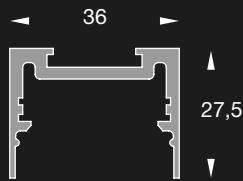
ALUMINIUM PROFILE 36/27 WITH ACRYLIC GLASS COVER
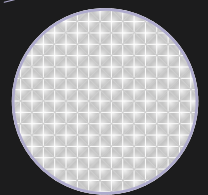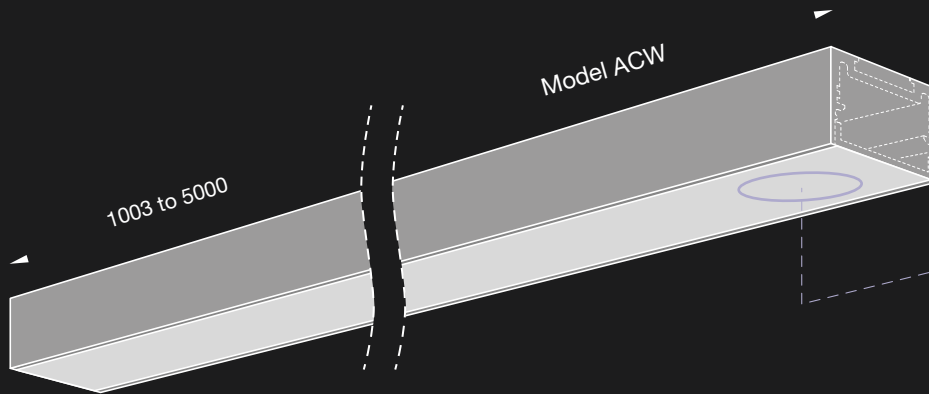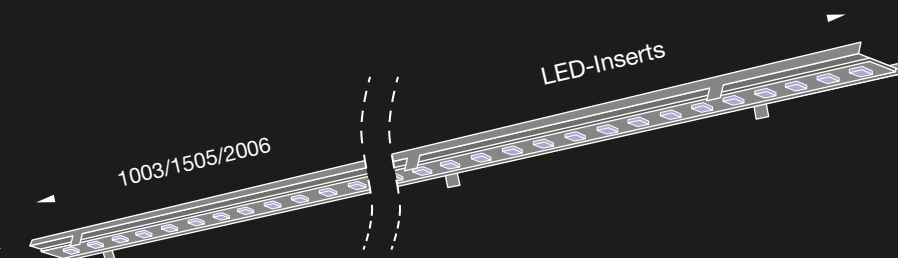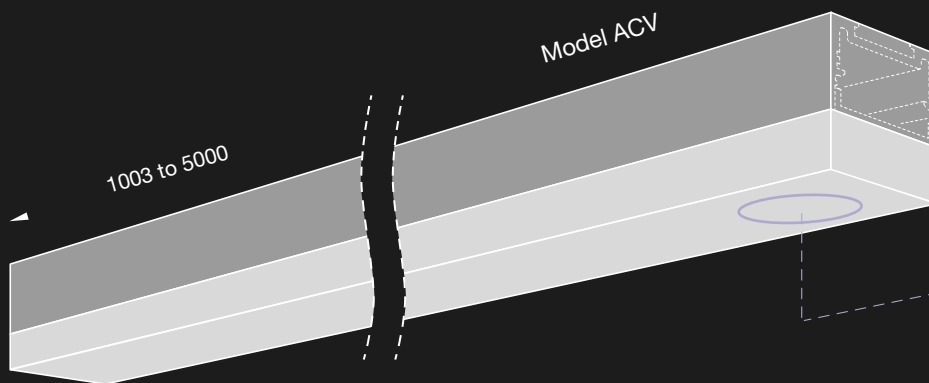
Model ACW

1003 to 5000

Acrylic white or glare-free light-directing microprisms

Model ACV

1003 to 5000

LED-INSERTS

LED-Inserts

1003/1505/2006

MiLED 36

> LED lightribbon assemply for perfect integration into architectural projects
> for ceiling oder suspended mounting
> direct emission characteristics
> thermal management with passive cooling

DETAILS
> housing made of aluminium
> acrylic cover white flush (ACW) or above (ACV)
> select light inserts an order separately
> suitable wire suspensions 1,5 mm, ceiling mounting and connecting wires to be ordered separately
> end cover, connectors and drivers to be ordered separately

MORE
> colours: anodised alu nature
> other versions and colours of light and dimmable versions are available on request

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

ECG | EV1 ANODIZED | CE

ALUMINIUM PROFILE, ACRYLIC COVER FLUSH (ACW)

description	OrderNo.
aluminium profile, cover acrylic white flat	**UP36-27-A-ACW + (lfm)**

ALUMINIUM PROFILE, ACRYLIC COVER ABOVE (ACV)

description	OrderNo.
aluminium profile, cover acrylic above	**UP36-42-A-ACV + (lfm)**

LIGHT INSERTS, STANDARD LENGTH: 1003/1506/2006 MM

	power	CRI	light flux	Kelvin	light colour	OrderNo.	length mm	kg
	9 W	> 80	1020 lm	3000 K	warm white	**MI-LED-U3-D30-L9-5-1000**	1003	0.1
	13,5 W	> 80	1530 lm			**MI-LED-U3-D30-L9-5-1506**	1506	0.15
	18 W	> 80	2040 lm			**MI-LED-U3-D30-L9-5-2006**	2006	0.2
	9 W	> 80	1020 lm	4000 K	neutral white	**MI-LED-U3-D40-L9-5-1000**	1003	0.1
	13,5 W	> 80	1530 lm			**MI-LED-U3-D40-L9-5-1506**	1506	0.15
	18 W	> 80	2040 lm			**MI-LED-U3-D40-L9-5-2006**	2006	0.2

Suitable accessories
see chapter accessories.

Status: 11/16

MiLED 36

> LED lightribbon assemply for perfect integration into architectural projects
> for ceiling mounting
> direct emission characteristics
> thermal management with passive cooling

DETAILS
> housing made of aluminium with small trim
> acrylic cover white flush (ACW) or above (ACV)
> select light inserts an order separately
> end cover, connectors and drivers to be ordered separately (see following pages)

MORE
> colours: anodised alu nature
> other versions and colours of light and dimmable versions are available on request

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG SEPARATE | 〉〉〉〉 | ◤ | EV1 ANODIZED | CE |

ALUMINIUM PROFILE, ACRYLIC COVER FLUSH (ACW)

description	OrderNo.
aluminium profile, cover acrylic white flat	**UP36-27-E-ACW + (lfm)**

ALUMINIUM PROFILE, ACRYLIC COVER ABOVE (ACV)

description	OrderNo.
aluminium profile, cover acrylic above	**UP36-42-E-ACV + (lfm)**

LIGHT INSERTS, STANDARD LENGTH: 1003/1506/2006 MM

power	CRI	light flux	Kelvin	light colour	OrderNo.	length mm	kg
9 W	> 80	1020 lm	3000 K	warm white	**MI-LED-U3-D30-L9-5-1000**	1003	0.1
13,5 W	> 80	1530 lm			**MI-LED-U3-D30-L9-5-1506**	1506	0.15
18 W	> 80	2040 lm			**MI-LED-U3-D30-L9-5-2006**	2006	0.2
9 W	> 80	1020 lm	4000 K	neutral white	**MI-LED-U3-D40-L9-5-1000**	1003	0.1
13,5 W	> 80	1530 lm			**MI-LED-U3-D40-L9-5-1506**	1506	0.15
18 W	> 80	2040 lm			**MI-LED-U3-D40-L9-5-2006**	2006	0.2

Status: 11/16

MiLED 36
Accessories

> cover, connectors, endpieces, driver and driver housing
for MiLED 36 mounted and recessed

At time of print.
Current technical data and information, see www.rucolicht.de

EV1 ANODIZED C€

description	OrderNo.
installation variant end piece for acrylic white with flush profile	**UP36-A-E-ACW**
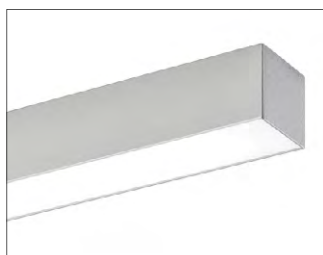
description	OrderNo.
recessed variant end piece for acrylic white with flush profile	**UP36-E-E-ACW**

description	OrderNo.
installation variant end piece for acrylic white 15 mm above	**UP36-A-E-ACV**
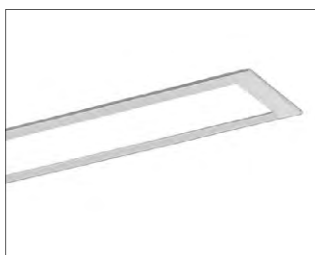
description	OrderNo.
recessed variant end piece for acrylic white 15 mm above	**UP36-E-E-ACV**

description	OrderNo.
cross connector for installation and recessed variant	**UP36-A-LV**

description	OrderNo.
suspension LBL, fast adjuster on profile, cables to be ordered separately	**LBL-SA**

description	OrderNo.
housing to conceal 1 x driver made of profile 62 x 60 mm with blind cover, length in total ca. 400 mm, feed backside und frontside possible, 1 cable outlet with strain relief frontally	**MI-LED-TR-GEH-400**

description	OrderNo.
housing to conceal 2 x driver made of profile 62 x 60 mm with blind cover, length in total ca. 640 mm, feed backside und frontside possible, 2 cable outlets with strain relief frontally	**MI-LED-TR-GEH-640**

LED DRIVER FOR CONSTANT CURRENT / 24 V (WITH TENSION RELIEF)

power	OrderNo.	length mm	width mm	heigth mm
20 W	**LTRV-020-5-01**	109	50	35
30 W	**LTRV-030-5-01**	252	40	22
50 W	**LTRV-050-5-01**	242	40	16
75 W	**LTRV-075-5-01**	220	47	44
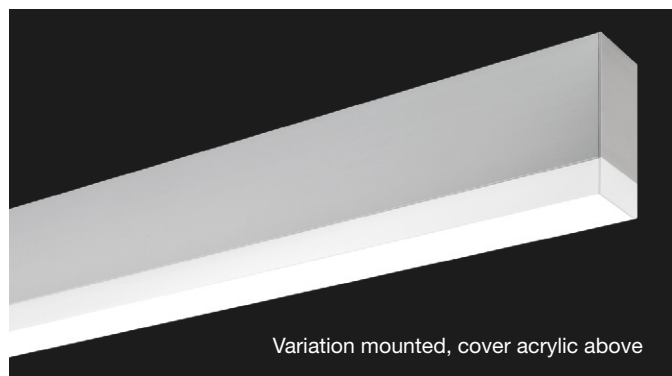
Variation mounted, cover acrylic above

Variation recessed, microprisms

Variation recessed, cover acrylic above

Variation mounted, acrylic

Professional LED lighting system as built-in, mounted or pendulum lights with perfect lighting technology. Thanks to the wide range of versions available, the UP62LED is suitable for many lighting situations. On the basis of standard types, we are able to implement even demanding architectural projects in a simply and timely fashion. Individual solutions are easily implemented in order to realise creative ideas.

UP62LED
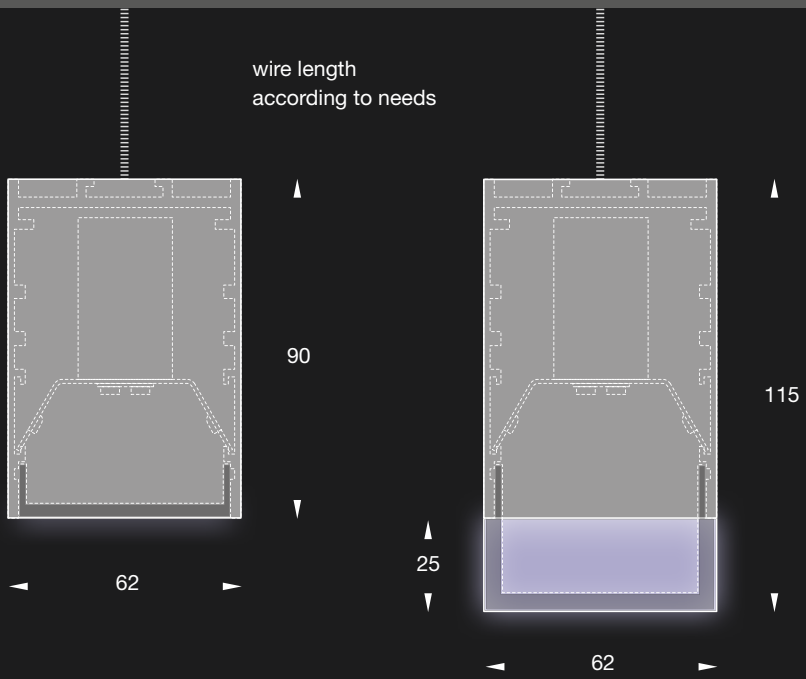
Ceiling

VARIATION SUSPENDED

wire length
according to needs

90

115

25

62

62

Ceiling

VARIATION MOUNTED

90

115

25

62

62

62

62

90

115

Ceiling

VARIATION RECESSED

DA 68

82,5

25

DA 68

82,5

UP62LED
Principle

62

90

ALUMINIUM PROFILE 62/90 WITH ACRYLIC GLASS COVER

Model ACW

1003 to 5000

Acrylic white or glare-free light-directing microprisms

Model ACV

1003 to 5000

LED-INSERTS

LED-Inserts

1003/1505/2006
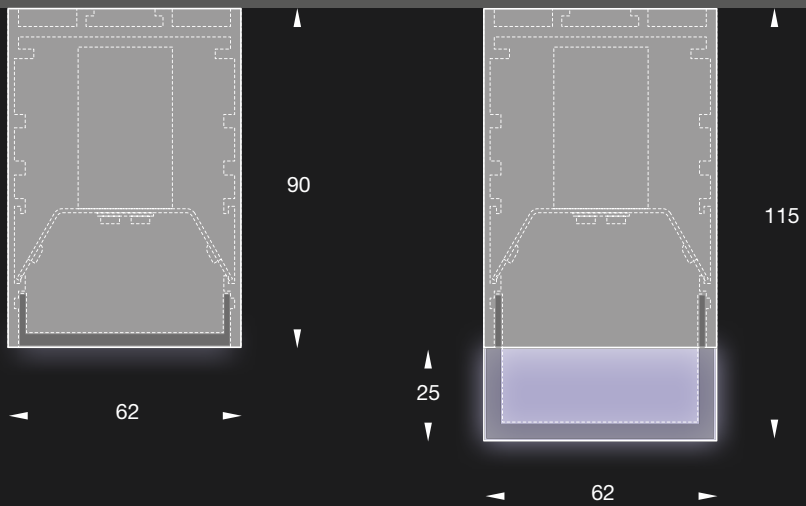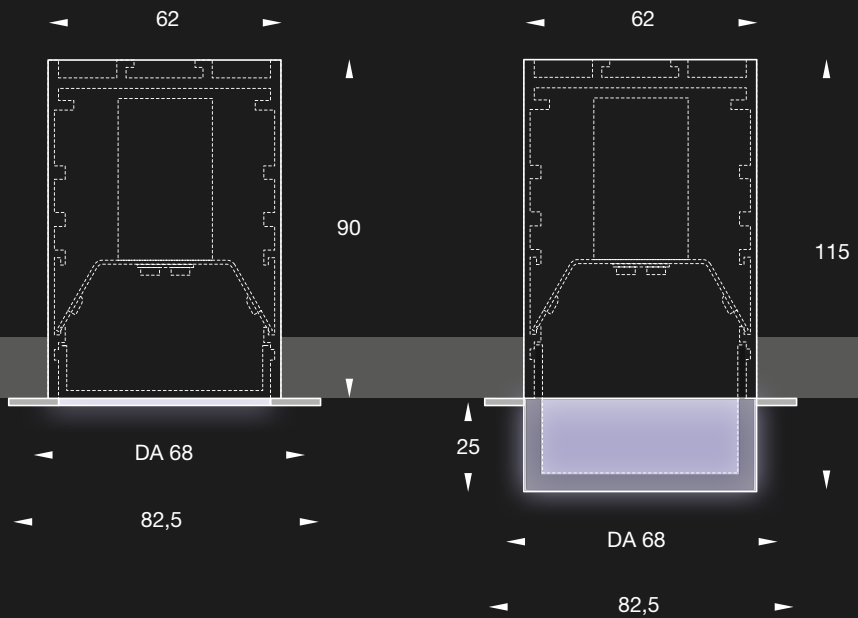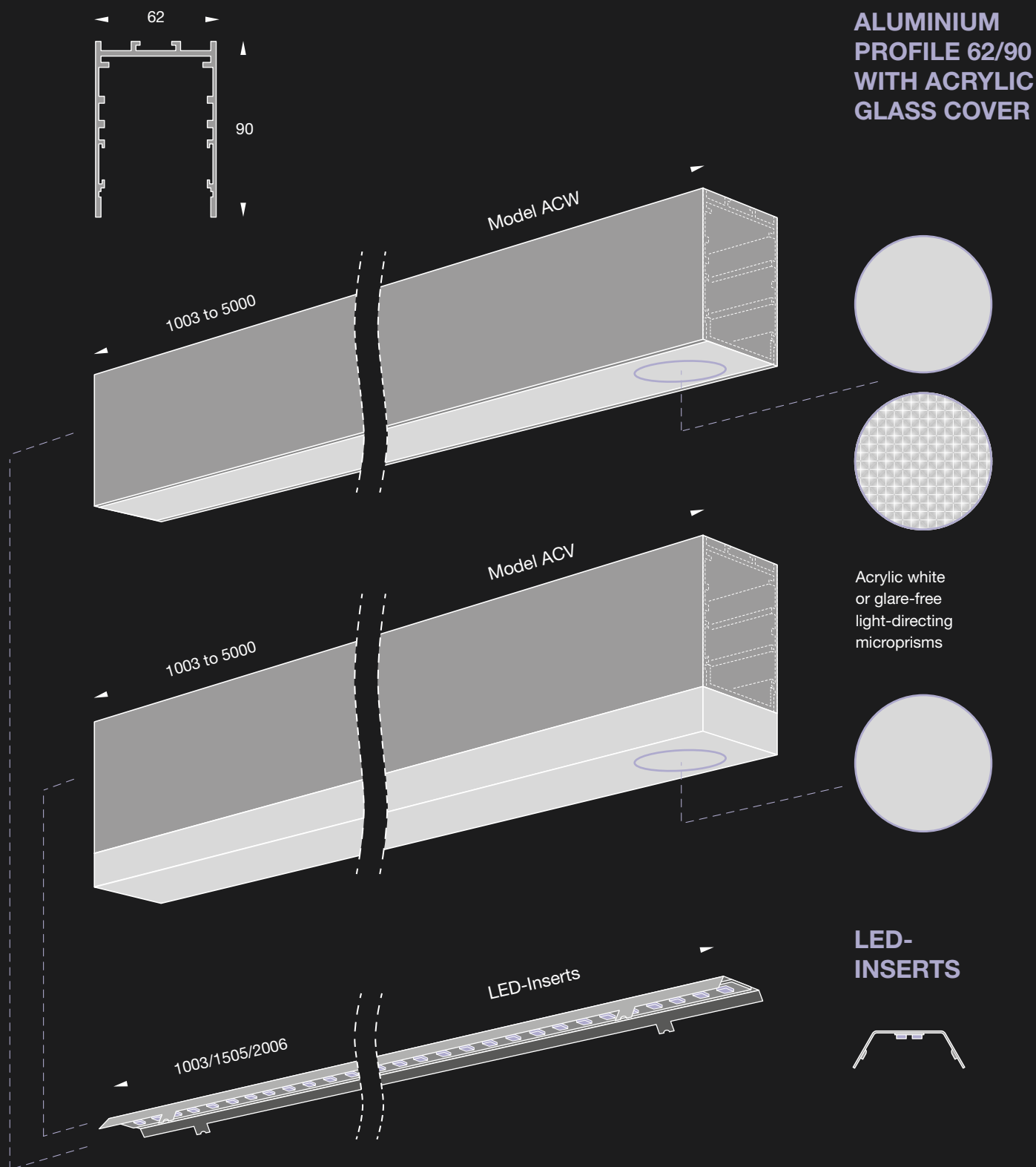
UP62LED

> LED lightribbon assembly
> for ceiling oder suspended mounting
> direct emission characteristics
> thermal management with passive cooling

DETAILS
> housing made of aluminium
> acrylic cover white flush (ACW) or above (ACV)
> select light inserts and order separately
> supply unit integrated
> suitable wire suspensions 1,5 mm, ceiling mounting and connecting wires to be ordered separately
> end cover, connectors and drivers to be ordered separately (see following pages)

MORE
> colours: anodised alu nature
> other versions and colours of light and dimmable versions are available on request

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG | | | EV1 ANODIZED | CE |

ALUMINIUM PROFILE, ACRYLIC COVER ACW

description	OrderNo.
aluminium profile, cover acrylic white flat	**UP62-90-A-ACW + (lfm)**

ALUMINIUM PROFILE, ACRYLIC COVER ACV

description	OrderNo.
aluminium profile, cover acrylic above	**UP62-90-A-ACV + (lfm)**

LIGHT INSERTS, STANDARD LENGTH: 560/840/1120 MM - 350 MA

	power	CRI	light flux	Kelvin	light colour	OrderNo.	length mm	kg
LM LED	16 W	> 80	1680 lm	3000 K	warm white	**UP62LED-U9-D30-PLI-5-0560**	560	0.5
	22 W	> 80	2520 lm			**UP62LED-U9-D30-PLI-5-0840**	840	0.65
	28 W	> 80	3360 lm			**UP62LED-U9-D30-PLI-5-1120**	1120	0.8
	16 W	> 80	1700 lm	4000 K	neutral white	**UP62LED-U9-D40-PLI-5-0560**	560	0.5
	22 W	> 80	2610 lm			**UP62LED-U9-D40-PLI-5-0840**	840	0.65
	28 W	> 80	3480 lm			**UP62LED-U9-D40-PLI-5-1120**	1120	0.8

LIGHT INSERTS, STANDARD LENGTH: 560/840/1120 MM - 350 MA

	power	CRI	light flux	Kelvin	light colour	OrderNo.	length mm	kg
LM LED	24 W	> 80	2720 lm	3000 K	warm white	**UP62LED-U9-D30-PHI-5-0560**	560	0.5
	33 W	> 80	4080 lm			**UP62LED-U9-D30-PHI-5-0840**	840	0.65
	42 W	> 80	5440 lm			**UP62LED-U9-D30-PHI-5-1120**	1120	0.8
	24 W	> 80	2810 lm	4000 K	neutral white	**UP62LED-U9-D40-PHI-5-0560**	560	0.5
	33 W	> 80	4200 lm			**UP62LED-U9-D40-PHI-5-0840**	840	0.65
	42 W	> 80	5620 lm			**UP62LED-U9-D40-PHI-5-1120**	1120	0.8

Suitable accessories
see chapter accessories.

UP62LED

> LED lightribbon assembly
> for ceiling mounting
> direct emission characteristics
> thermal management with passive cooling

DETAILS
> housing made of aluminium with small trim
> acrylic cover white flush (ACW) or above (ACV)
> select light inserts an order separately
> supply unit integrated
> end cover, connectors and drivers to be ordered separately (see following pages)

MORE
> colours: anodised alu nature
> other versions and colours of light and dimmable versions are available on request

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG |)))) | ◢ | EV1 ANODIZED | CE |

ALUMINIUM PROFILE, ACRYLIC COVER ACW

description	OrderNo.
aluminium profile, cover acrylic white flat	**UP62-90-E-ACW + (lfm)**

ALUMINIUM PROFILE, ACRYLIC COVER ACV

description	OrderNo.
aluminium profile, cover acrylic above	**UP62-90-E-ACV + (lfm)**

LIGHT INSERTS, STANDARD LENGTH: 560/840/1120 MM - 350 MA

| LM	power	CRI	light flux	Kelvin	light colour	OrderNo.	length mm	kg
	16 W	> 80	1680 lm	3000 K	warm white	**UP62LED-U9-D30-PLI-5-0560**	560	0.5
	22 W	> 80	2520 lm			**UP62LED-U9-D30-PLI-5-0840**	840	0.65
	28 W	> 80	3360 lm			**UP62LED-U9-D30-PLI-5-1120**	1120	0.8
	16 W	> 80	1700 lm	4000 K	neutral white	**UP62LED-U9-D40-PLI-5-0560**	560	0.5
	22 W	> 80	2610 lm			**UP62LED-U9-D40-PLI-5-0840**	840	0.65
	28 W	> 80	3480 lm			**UP62LED-U9-D40-PLI-5-1120**	1120	0.8

LIGHT INSERTS, STANDARD LENGTH: 560/840/1120 MM - 350 MA

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.	length mm	kg
	24 W	> 80	2720 lm	3000 K	warm white	**UP62LED-U9-D30-PHI-5-0560**	560	0.5
	33 W	> 80	4080 lm			**UP62LED-U9-D30-PHI-5-0840**	840	0.65
	42 W	> 80	5440 lm			**UP62LED-U9-D30-PHI-5-1120**	1120	0.8
	24 W	> 80	2810 lm	4000 K	neutral white	**UP62LED-U9-D40-PHI-5-0560**	560	0.5
	33 W	> 80	4200 lm			**UP62LED-U9-D40-PHI-5-0840**	840	0.65
	42 W	> 80	5620 lm			**UP62LED-U9-D40-PHI-5-1120**	1120	0.8

UP62LED
Accessories

> cover, connectors and endpieces for UP62LED
  mounted and recessed

At time of print.
Current technical data and information, see www.rucolicht.de

EV1 ELOXIERT CE

description	OrderNo.
aluminium cover profile to close pro-file, to be used bottom side, toolless mounting	**HP62-ADP**
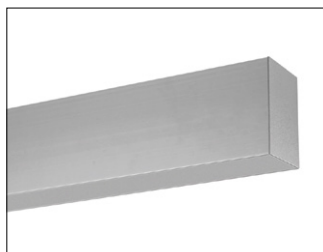
description	OrderNo.
connector along for U-profile incl. moun-ting screws	**HP62-LV**

description	OrderNo.
corner connector 90°	**HP62-L90**
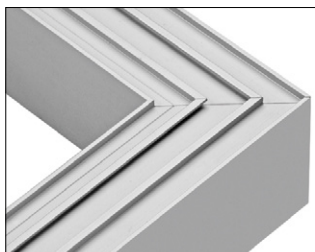
description	OrderNo.	description	OrderNo.
	UP62-90-E-ACW		**UP62-90-E-ACV**
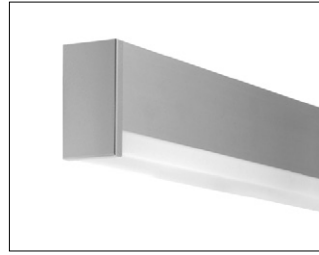
description	OrderNo.	description	OrderNo.
	UP62-90-E-00	end piece with earth for recessed profile	**UPE62-90-E-00**
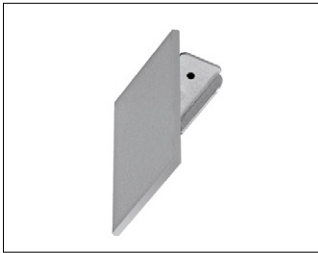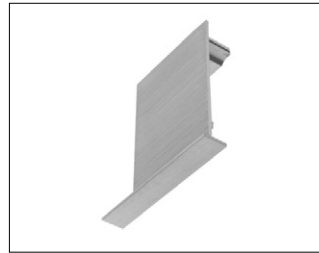
description	OrderNo.
suspension LBL, fast adjuster on profile, cables to be ordered separately	**LBL-SA**
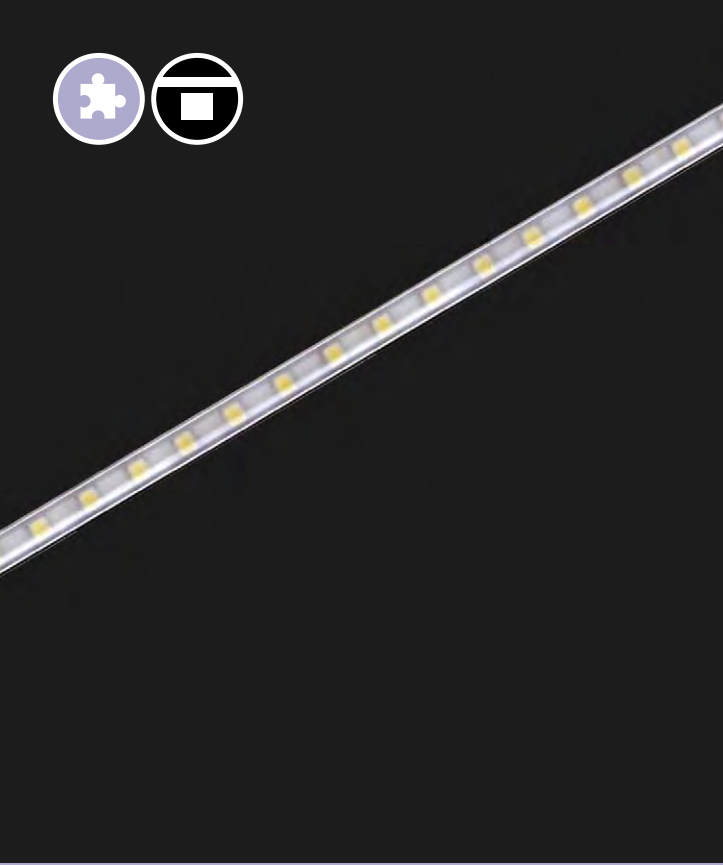
Rela

> extremely slim construction for the illumination fo shelves
> even light distribution
> simple installation
> magnet bracket or clip bracket

DETAILS
> housing aluminium anodised
> connections, holders, connectors and feeders to ordered seperately

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

ECG SEPARATE		EV1 ANODIZED	CE

LENGTH 188

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.	Dimensions mm	kg
LED	3 W	> 80	195 lm	3000 K	warm white	**REL-03-D30-188**	**L** 188 **B** 12 **H** 11	0,03
				4000 K	neutral white	**REL-03-D40-188**		

LENGTH 280

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.	Dimensions mm	kg
LED	4 W	> 80	260 lm	3000 K	warm white	**REL-04-D30-280**	**L** 280 **B** 12 **H** 11	0,04
				4000 K	neutral white	**REL-04-D40-280**		

LENGTH 560

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.	Dimensions mm	kg
LED	7 W	> 80	455 lm	3000 K	warm white	**REL-07-D30-560**	**L** 560 **B** 12 **H** 11	0,08
				4000 K	neutral white	**REL-07-D40-560**		

LENGTH 840

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.	Dimensions mm	kg
LED	11 W	> 80	715 lm	3000 K	warm white	**REL-11-D30-840**	**L** 840 **B** 12 **H** 11	0,12
				4000 K	neutral white	**REL-11-D40-840**		
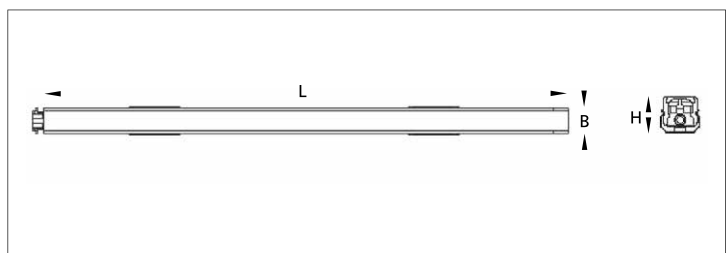
DISTRIBUTOR

power	OrderNo.
30 W	**Z-REL-T030-24-01**
75 W	**Z-REL-T075-24-01**

PLUG-IN SYSTEM BOTH SIDES, COLOUR: GREY

length mm	OrderNo.
150	**Z-REL-VBV-0150**
300	**Z-REL-VBV-0300**
600	**Z-REL-VBV-0600**
1200	**Z-REL-VBV-1200**
1800	**Z-REL-VBV-1800**

BRACKET

	OrderNo.
15°	**Z-REL-H-15**
40°	**Z-REL-H-40**

FEEDER

length mm	OrderNo.
2500	**Z-REL-E-2500**

Fixa

> LED light bar for the connection 230 V 50/60 Hz, SK II
> uniform constant light distribution
> driver integrated

DETAILS
> lamp housing aluminium anodised
> 2 crabs inclusively, 1x length connector (shock to shock) and 600 mm connection cable with open end
> connector lines to be ordered separately

MORE
> LED light bar can be used as a system
> continuous-line wiring 2 x 0,75 integrated
> by system constructions the maximum load amounts feed in the system 500 W (corresponds approximately 30 m)

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de
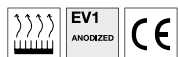
COVER PROFILE CLEAR

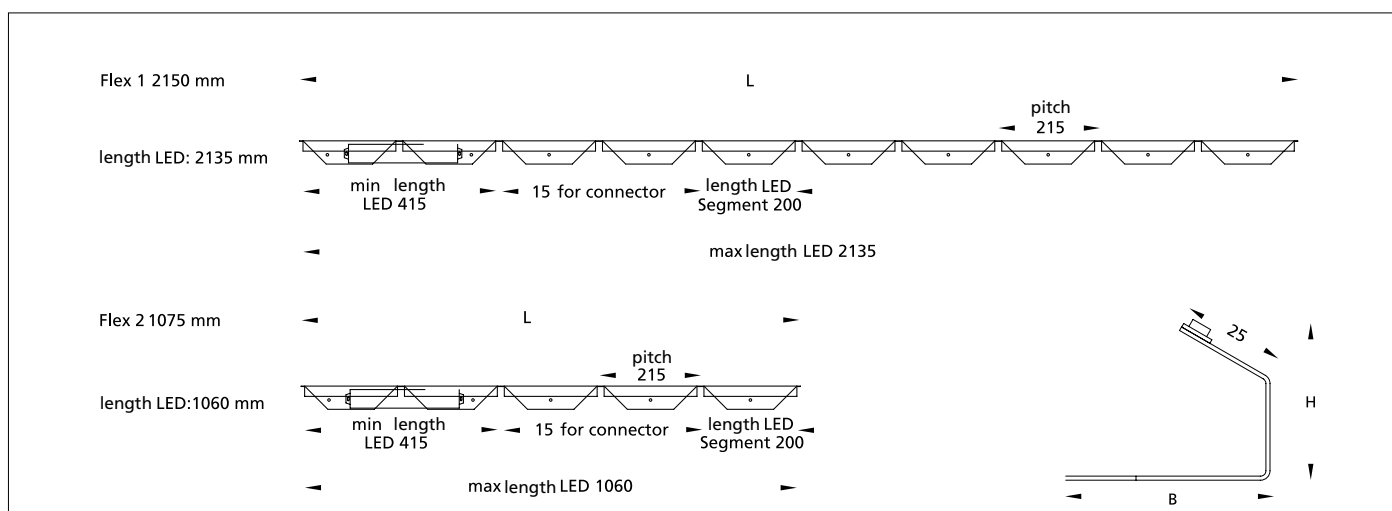| LM	power	CRI	light flux	Kelvin	light colour	OrderNo.	length mm	kg
	11 W	> 80	1023 lm	3000 K	warm white	**FAK2-11-D-830-0600**	570	0.22
		> 80	1078 lm	4000 K	neutral white	**FAK2-11-D-840-0600**	570	
	17 W	> 80	1666 lm	3000 K	warm white	**FAK2-17-D-830-0900**	870	0.32
		> 80	1766 lm	4000 K	neutral white	**FAK2-17-D-840-0900**	870	
	20 W	> 80	1860 lm	3000 K	warm white	**FAK2-20-D-830-1200**	1180	0.43
		> 80	1960 lm	4000 K	neutral white	**FAK2-20-D-840-1200**	1180	
	24 W	> 80	2232 lm	3000 K	warm white	**FAK2-24-D-830-1500**	1480	0.54
		> 80	2352 lm	4000 K	neutral white	**FAK2-24-D-840-1500**	1480	

COVER PROFILE SATINATED

LM	power	CRI	light flux	Kelvin	light colour	OrderNo.	length mm	kg
	11 W	> 80	1023 lm	3000 K	warm white	**FA2-11-D-830-0600**	570	0.22
		> 80	1078 lm	4000 K	neutral white	**FA2-11-D-840-0600**	570	
	17 W	> 80	1666 lm	3000 K	warm white	**FA2-17-D-830-0900**	870	0.32
		> 80	1766 lm	4000 K	neutral white	**FA2-17-D-840-0900**	870	
	20 W	> 80	1860 lm	3000 K	warm white	**FA2-20-D-830-1200**	1180	0.43
		> 80	1960 lm	4000 K	neutral white	**FA2-20-D-840-1200**	1180	
	24 W	> 80	2232 lm	3000 K	warm white	**FA2-24-D-830-1500**	1480	0.54
		> 80	2352 lm	4000 K	neutral white	**FA2-24-D-840-1500**	1480	
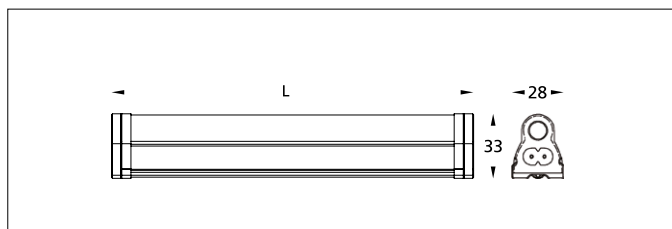
PLUG-IN SYSTEM BOTH SIDES (SOCKET/PLUG), WHITE

length mm	OrderNo.
250	**Z-FA2-VBV-0250-WS**
750	**Z-FA2-VBV-0750-WS**
1500	**Z-FA2-VBV-1500-WS**
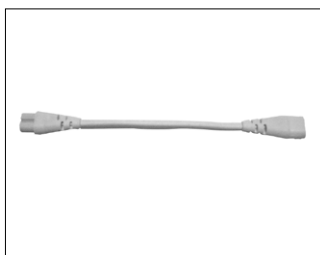
CONNECTING CLAMB

description	OrderNo.
connecting clamb for FIXA light bar with protection against loosening the plug connection	**Z-FA2-VBKlammer-01**

SUSPENDER SET WITH CHAIN

description	OrderNo.
with swinging hook for chain suspension, toolless mounting on the lamp	**Z-FA2-ABH-K-00**

SUSPENDER SET WITH WIRE

description	OrderNo.
incl. height adjustment for suspension, cable to be ordered separately, toolless mounting on lamp	**Z-FA2-ABH-S-00**
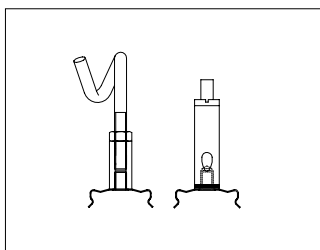
CONNECTING LINE WITH OPEN END

length mm	OrderNo.
600	**Z-FA2-AL-0600-WS**
1500	**Z-FA2-AL-1500-WS**
3000	**Z-FA2-AL-3000-WS**
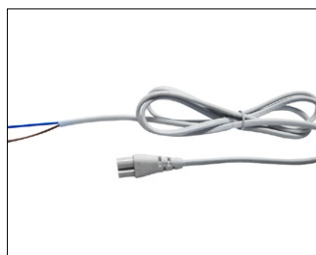
MOUNTING ANGLE

description	OrderNo.
for ceiling mounted, angle of inclination 30° to ceiling with FIXA-clip	**Z-FA2-MH-00**
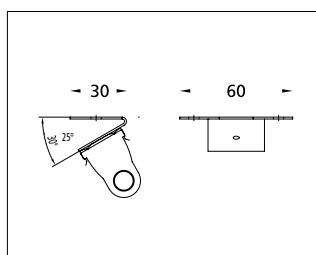
MAGNET HOLDER

description	OrderNo.
magnet holder for mounting on metal-construction, angle of inclination 25°, swiveling with FIXA-clip	**Z-FA2-MAG-H-00**
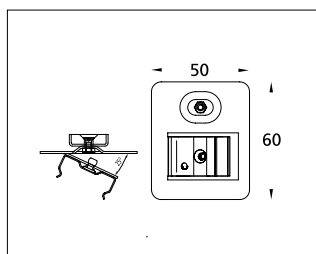
Cove

> LED cove lighting for straight or curved shapes
> emission characteristics adjustable to the size of the cove

DETAILS
> specify radius for circular installations
> driver integrated in module
> connecting wires and connectors to be ordered separately
> Dimming optional (DALI), requires different driver

MORE
> standard length 2010 mm, not divisible
> special length 1+2, see outline with measurements

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

ECG CE

STRAIGHT, NOT DIMMABLE

LM	power	light colour	description	length mm	OrderNo.	dimmensions mm	kg
LED	8,9 W	warm white	divisible	1010	**VL-09D30-P2-5-1010**	**B** 50 **H** 38	2,00
			not divisible	1010	**VL-09D30-SD-5-1010**		
	17,8 W	warm white	teilbar	2010	**VL-09D30-P1-5-2010**		
			not divisible	2010	**VL-09D30-SD-5-2010**		

STRAIGHT, DIMMABLE 1-10 VOLT

LM	power	light colour	description	length mm	OrderNo.	dimmensions mm	kg
LED	8,9 W	warm white	divisible	1010	**VL-09D30-P2-6-1010**	**B** 53 **H** 53	2,00
			not divisible	1010	**VL-09D30-SD-6-1010**		
	17,8 W	warm white	divisible	2010	**VL-09D30-P1-6-2010**		
			not divisible	2010	**VL-09D30-SD-6-2010**		

Standard length 2010 mm   LED: 2000 mm
L
length LED 2000

Pass length 1 - 2010 mm   LED: 900mm - 2000 mm
L
min length LED 900
100
max length LED 2000

Pass length 2 - 1010 mm
LED: 400 mm - 1000 mm
L
min length LED 400
100
max length LED 1000

25
H
B
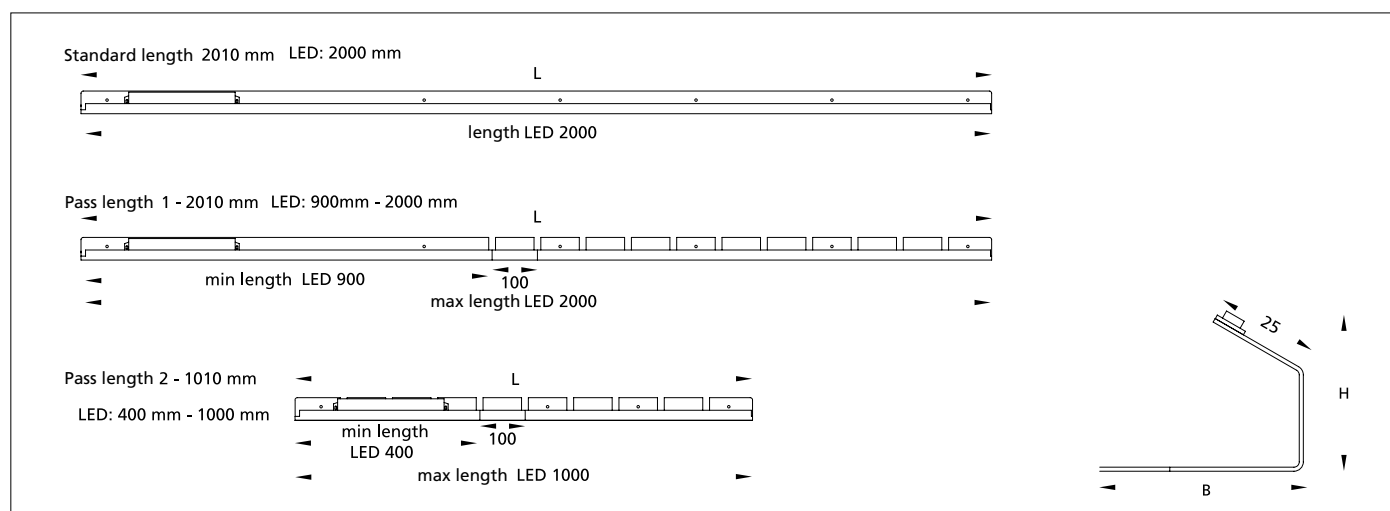
Cove

> LED cove lighting for curved shapes
> emission characteristics adjustable to the size of the cove

DETAILS
> driver integrated in module
> connecting wires and connectors to be ordered separately
> Dimming optional (DALI), requires different driver

MORE
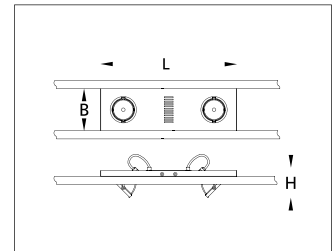> standard length not divisible
> special length 1+2, see outline with measurements

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

EVG CE

CURVED SHAPES, NOT DIMMABLE

LM	Leistung	light colour	description	length mm	OrderNo.	dimmensions mm		kg
LED	8,9 W	warm white	divisible 215 mm	1075	**VL-09D30-F2-5-1075**	**B** 50 **H** 38		2,00
	17,8 W	warm white	divisible 215 mm	2150	**VL-09D30-F1-5-2150**			

CURVED SHAPES, 1-10 VOLT

LM	Leistung	light colour	description	length mm	OrderNo.	dimmensions mm		kg
LED	8,9 W	warm white	divisible 215 mm	1075	**VL-09D30-F2-6-1075**	**B** 50 **H** 52		0,80
	17,8 W	warm white	divisible 215 mm	2150	**VL-09D30-F1-6-2150**			

Flex 1 2150 mm — L — pitch 215
length LED: 2135 mm
min length LED 415 — 15 for connector — length LED Segment 200
max length LED 2135

Flex 2 1075 mm — L — pitch 215
length LED:1060 mm
min length LED 415 — 15 for connector — length LED Segment 200
max length LED 1060

25

H

B

WOF

The WOF system is a modular carrier system. The aluminium system profiles accommodate the lighting modules at the positions where light is desired. The modules are plug-fitted and can simply be modified without tools.
The WOF system offers optimum freedom of planning for basic and accent lighting.

WOF system

> LED-spotlight inserts
> cardan light head swivels
> light module to be hooked into system profile and variable movable
> thermal management with passive cooling
> high-quality aluminium reflector for maximum light output and glare-free lighting

DETAILS
> lamp made of aluminium, metal
> supply unit integrades
> protective cover against soiling of reflector and the LED

MORE
> colour: silver
> other versions and colours of light and dimmable versions are available on request
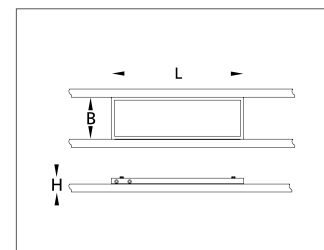
When ordering, always specify the desired colour.
*At time of print.*
Current technical data and information, see www.rucolicht.de

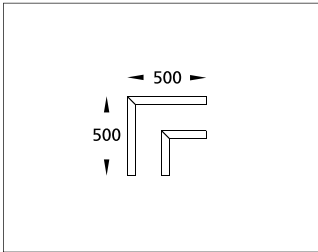| ECG | 〉〉〉〉 | FL | MFL | SP | RAL 9006 | CE |
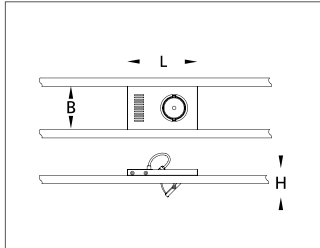
LM	power	CRI	light flux	Kelvin	light colour	◣◢	OrderNo.	Dimensions mm	kg
LED	36 W	> 90	3450 lm	3000 K	warm white	2 x 25°	**WOF3-QCL-EQ-1-5-36-930-FL**	**L** 300 **B** 198 **H** 112	2,30
						2 x 12°	**WOF3-QCL-EQ-1-5-36-930-MFL**		
						2 x 7°	**WOF3-QCL-EQ-1-5-36-930-SP**		
		> 90	3750 lm	4000 K	neutral white	2 x 25°	**WOF3-QCL-EQ-1-5-36-940-FL**		
						2 x 12°	**WOF3-QCL-EQ-1-5-36-940-MFL**		
						2 x 7°	**WOF3-QCL-EQ-1-5-36-940-SP**		
		> 90	2600 lm		Fashion	2 x 25°	**WOF3-QCL-EQ-1-5-36-FAS-FL**		
						2 x 12°	**WOF3-QCL-EQ-1-5-36-FAS-MFL**		
						2 x 7°	**WOF3-QCL-EQ-1-5-36-FAS-SP**		
		> 90	3450 lm		WKW	2 x 25°	**WOF3-QCL-EQ-1-5-36-WKW-FL**		
						2 x 12°	**WOF3-QCL-EQ-1-5-36-WKW-MFL**		
						2 x 7°	**WOF3-QCL-EQ-1-5-36-WKW-SP**		
			1650 lm		Food	2 x 25°	**WOF3-QCL-EQ-1-5-36-Z03-FL**		
						2 x 12°	**WOF3-QCL-EQ-1-5-36-Z03-MFL**		
						2 x 7°	**WOF3-QCL-EQ-1-5-36-Z03-SP**		
			2200 lm		Meat	2 x 25°	**WOF3-QCL-EQ-1-5-36-Z04-FL**		
						2 x 12°	**WOF3-QCL-EQ-1-5-36-Z04-MFL**		
						2 x 7°	**WOF3-QCL-EQ-1-5-36-Z04-SP**		
	42 W	> 90	3900 lm	3000 K	warm white	2 x 25°	**WOF3-QCL-EQ-1-5-42-930-FL**		
						2 x 12°	**WOF3-QCL-EQ-1-5-42-930-MFL**		
						2 x 7°	**WOF3-QCL-EQ-1-5-42-930-SP**		
		> 90	4250 lm	4000 K	neutral white	2 x 25°	**WOF3-QCL-EQ-1-5-42-940-FL**		
						2 x 12°	**WOF3-QCL-EQ-1-5-42-940-MFL**		
						2 x 7°	**WOF3-QCL-EQ-1-5-42-940-SP**		
		> 90	3000 lm		Fashion	2 x 25°	**WOF3-QCL-EQ-1-5-42-FAS-FL**		
						2 x 12°	**WOF3-QCL-EQ-1-5-42-FAS-MFL**		
						2 x 7°	**WOF3-QCL-EQ-1-5-42-FAS-SP**		
		> 90	3900 lm		WKW	2 x 25°	**WOF3-QCL-EQ-1-5-42-WKW-FL**		
						2 x 12°	**WOF3-QCL-EQ-1-5-42-WKW-MFL**		
						2 x 7°	**WOF3-QCL-EQ-1-5-42-WKW-SP**		
			2000 lm		Food	2 x 25°	**WOF3-QCL-EQ-1-5-42-Z03-FL**		
						2 x 12°	**WOF3-QCL-EQ-1-5-42-Z03-MFL**		
						2 x 7°	**WOF3-QCL-EQ-1-5-42-Z03-SP**		
			2350 lm		Meat	2 x 25°	**WOF3-QCL-EQ-1-5-42-Z04-FL**		
						2 x 12°	**WOF3-QCL-EQ-1-5-42-Z04-MFL**		
						2 x 7°	**WOF3-QCL-EQ-1-5-42-Z04-SP**		

WOF system

> LED-spotlight inserts
> cardan light heads swivel
> light module to be hooked into system profile and variable movable
> thermal management with passive cooling
> high-quality aluminium reflector for maximum light output and glare-free lighting

DETAILS
> lamp made of aluminium, metal
> supply unit integrades
> protective cover against soiling of reflector and the LED

MORE
> colour: silver
> other versions and colours of light and dimmable versions are available on request

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| ECG | | FL | MFL | SP | RAL 9006 | CE |

| LM	power	CRI	light flux	Kelvin	light colour		OrderNo.	Dimensions mm	kg
LED	2 x 36 W	> 90	2 x 3450 lm	3000 K	warm white	2 x 25°	WOF3-QCL-EQ-2-5-36-930-FL	**L** 600 **B** 198 **H** 112	4,60
						2 x 12°	WOF3-QCL-EQ-2-5-36-930-MFL		
						2 x 7°	WOF3-QCL-EQ-2-5-36-930-SP		
		> 90	2 x 3750 lm	4000 K	neutral white	2 x 25°	WOF3-QCL-EQ-2-5-36-940-FL		
						2 x 12°	WOF3-QCL-EQ-2-5-36-940-MFL		
						2 x 7°	WOF3-QCL-EQ-2-5-36-940-SP		
		> 90	2 x 2600 lm		Fashion	2 x 25°	WOF3-QCL-EQ-2-5-36-FAS-FL		
						2 x 12°	WOF3-QCL-EQ-2-5-36-FAS-MFL		
						2 x 7°	WOF3-QCL-EQ-2-5-36-FAS-SP		
		> 90	2 x 3450 lm		WKW	2 x 25°	WOF3-QCL-EQ-2-5-36-WKW-FL		
						2 x 12°	WOF3-QCL-EQ-2-5-36-WKW-MFL		
						2 x 7°	WOF3-QCL-EQ-2-5-36-WKW-SP		
			2 x 1650 lm		Food	2 x 25°	WOF3-QCL-EQ-2-5-36-Z03-FL		
						2 x 12°	WOF3-QCL-EQ-2-5-36-Z03-MFL		
						2 x 7°	WOF3-QCL-EQ-2-5-36-Z03-SP		
			2 x 2200 lm		Meat	2 x 25°	WOF3-QCL-EQ-2-5-36-Z04-FL		
						2 x 12°	WOF3-QCL-EQ-2-5-36-Z04-MFL		
						2 x 7°	WOF3-QCL-EQ-2-5-36-Z04-SP		
	2 x 42 W	> 90	2 x 3900 lm	3000 K	warm white	2 x 25°	WOF3-QCL-EQ-2-5-42-930-FL		
						2 x 12°	WOF3-QCL-EQ-2-5-42-930-MFL		
						2 x 7°	WOF3-QCL-EQ-2-5-42-930-SP		
		> 90	2 x 4250 lm	4000 K	neutral white	2 x 25°	WOF3-QCL-EQ-2-5-42-940-FL		
						2 x 12°	WOF3-QCL-EQ-2-5-42-940-MFL		
						2 x 7°	WOF3-QCL-EQ-2-5-42-940-SP		
		> 90	2 x 3000 lm		Fashion	2 x 25°	WOF3-QCL-EQ-2-5-42-FAS-FL		
						2 x 12°	WOF3-QCL-EQ-2-5-42-FAS-MFL		
						2 x 7°	WOF3-QCL-EQ-2-5-42-FAS-SP		
		> 90	2 x 3900 lm		WKW	2 x 25°	WOF3-QCL-EQ-2-5-42-WKW-FL		
						2 x 12°	WOF3-QCL-EQ-2-5-42-WKW-MFL		
						2 x 7°	WOF3-QCL-EQ-2-5-42-WKW-SP		
			2 x 2000 lm		Food	2 x 25°	WOF3-QCL-EQ-2-5-42-Z03-FL		
						2 x 12°	WOF3-QCL-EQ-2-5-42-Z03-MFL		
						2 x 7°	WOF3-QCL-EQ-2-5-42-Z03-SP		
			2 x 2350 lm		Meat	2 x 25°	WOF3-QCL-EQ-2-5-42-Z04-FL		
						2 x 12°	WOF3-QCL-EQ-2-5-42-Z04-MFL		
						2 x 7°	WOF3-QCL-EQ-2-5-42-Z04-SP		

WOF system

> LED light module for direct illumination
> light module to be hooked into system profile and variable movable
> thermal management with passive cooling
> microprismatical cover

DETAILS
> lamp made of metal
> supply unit integrated
> plug-in connector with Wieland GST (socket and plug)
> toolless mounting

MORE
> colour: silver
> other versions and colours of light and dimmable versions are
  available on request

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de
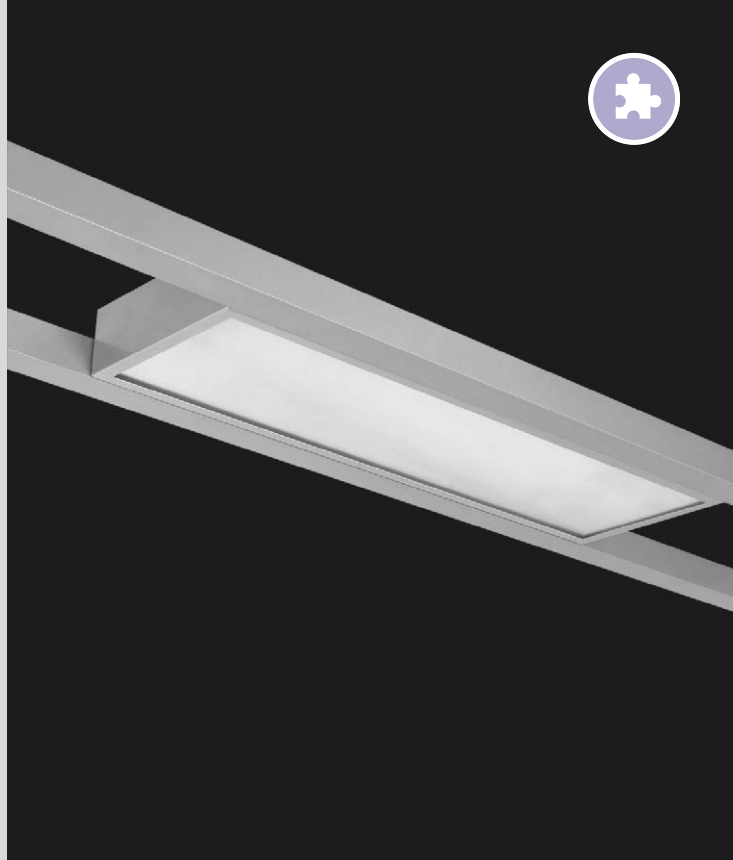
LM	power	CRI	light flux	Kelvin	light colour	OrderNo.
	35 W	> 80	3280 lm	3000 K	warm white	**WOF3-OML-600-H25-830-5**
		> 80	3350 lm	4000 K	neutral white	**WOF3-OML-600-H25-840-5**

Dimensions mm			kg
L 600 **B** 198 **H** 80			2,60
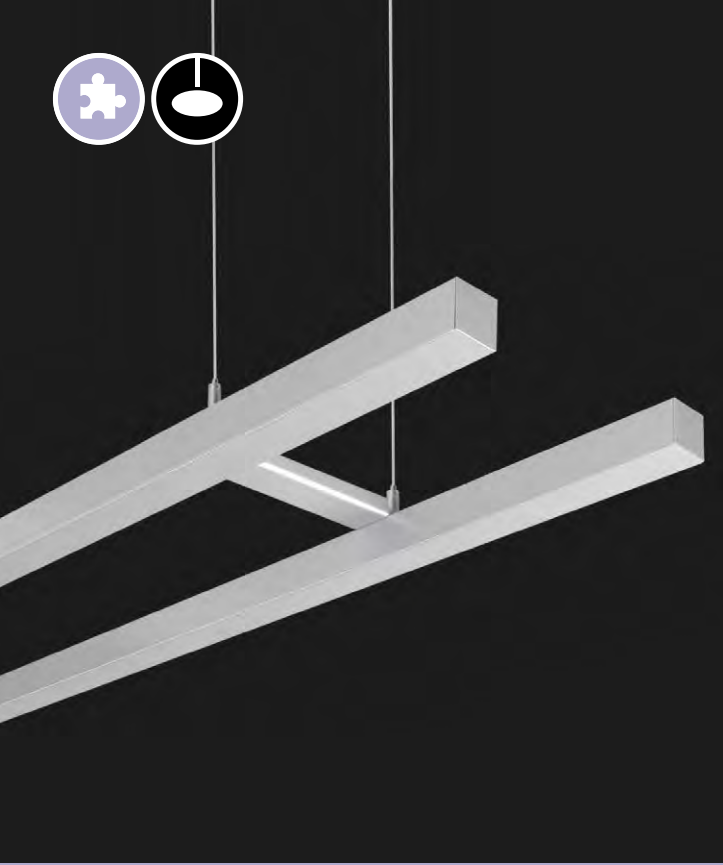
WOF system profile

> modular mounting system from extruded aluminium profile
> flexible building kit for different tasks
> other lenghts and figures on request

DETAILS
> select light insert, mounting without tools
> electronic driver integrated
> suspender sets and through-wiring see accessories
> incl. 2 pieces of transverse travers, prepared for pendant wire
> pendant wire to be ordered separately, crossbeam: RAL 9006

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

EV1 ANODIZED   CE

SYSTEM PROFILE

length mm	OrderNo.	kg
1500	**WOF3-P-1500**	3.9
2000	**WOF3-P-2000**	5.2
2500	**WOF3-P-2500**	6.5
3000	**WOF3-P-3000**	7.8
3500	**WOF3-P-3500**	9.1

description	OrderNo.	description	OrderNo.
connector 90° consisting of 4 x miter cut according specification, 2 x angle insesertion with corner traverse for wire suspension, wire suspension to be ordered separately	**WOF3-L90**	connector along (pair)	**WOF3-LV**
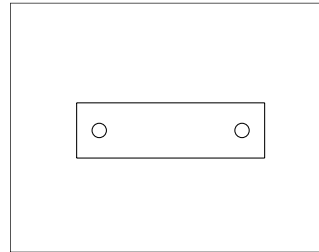
description	OrderNo.	description	OrderNo.
additive traverse for insertion and locking in profile	**WOF3-BG**	end pieces to end the support elements	**WOF3-E**
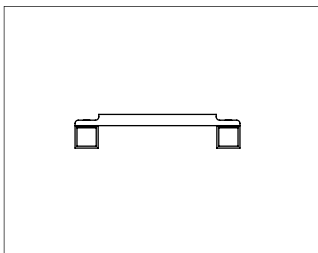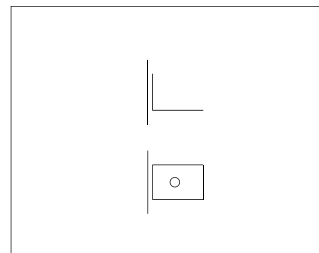
description	OrderNo.
wall mount for WOF3-support system with 2 x mounting hole M 5 for on site wall mounting, locking screws for connecting with WOF3-supporter, 2 x cable insertion	**WOF3-WH**
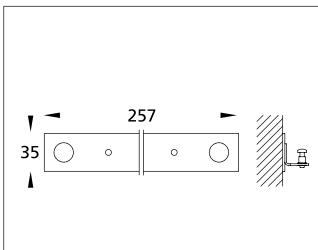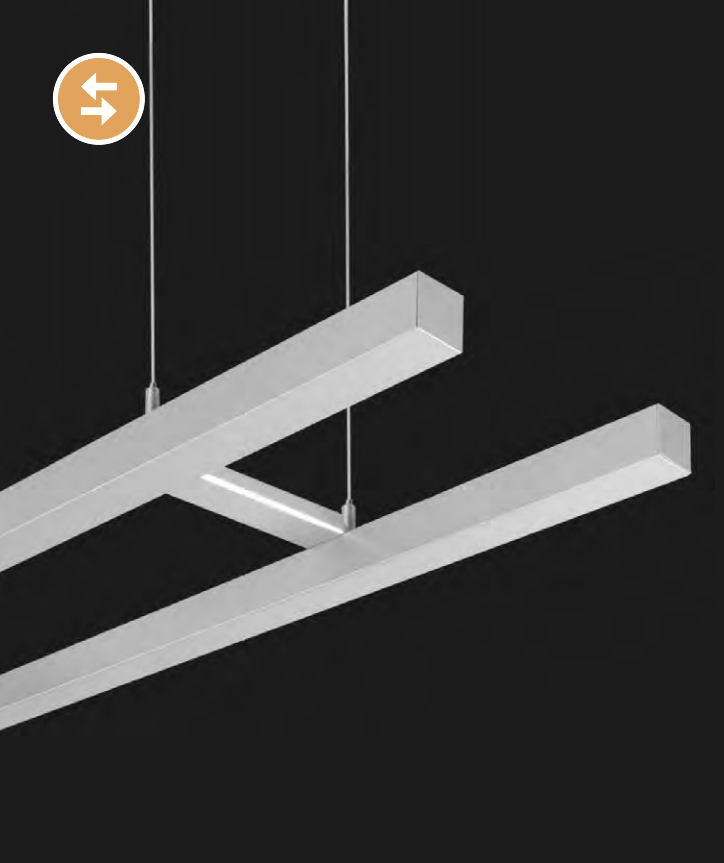
WOF system acessories

> wire suspensions, adjustable without tools, for positioning at any position in profile

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

description	length mm	OrderNo.
type 00, suspender set consisting of: 2 ceiling canopy, 2 cable with nipple, 2 fast adjuster, 2 inserts for profile	1500	**WOF3-SE-1500-00**
	3000	**WOF3-SE-3000-00**
	6000	**WOF3-SE-6000-00**
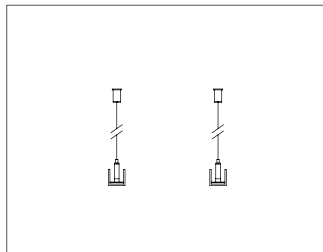
description	length mm	OrderNo.
type 10, suspender set consisting of: 2 cables with rope, 2 rapid adjuster, 2 inserter to profile	1500	**WOF3-SE-1500-10**
	3000	**WOF3-SE-3000-10**
	6000	**WOF3-SE-6000-10**
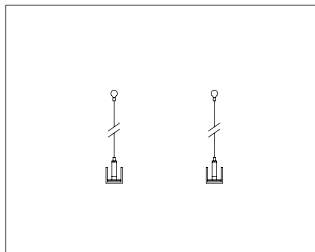
description	length mm	OrderNo.
type 30, suspender set consisting of: 1 common ceiling canopy, 2 cables with nipple, 2 rapid adjuster, 2 inserter to profile	1500	**WOF3-SE-1500-30**
	3000	**WOF3-SE-3000-30**
	6000	**WOF3-SE-6000-30**
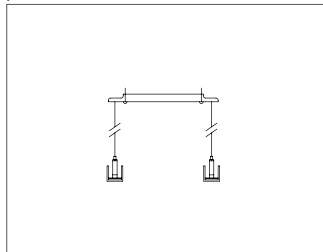
description	length mm	OrderNo.
type 00, suspender set with connector along consisting of: 2 ceiling canopy, 2 cables with nipple, 2 rapid adjuster, 1 connector along	1500	**WOF3-SE-LV-1500-00**
	3000	**WOF3-SE-LV-3000-00**
	6000	**WOF3-SE-LV6000-00**
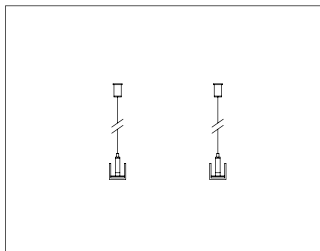
description	length mm	OrderNo.
type 10, suspender set with connector along consisting of: 2 cables with rope, 2 rapd adjuster, 1 connector along	1500	**WOF3-SE-LV-1500-10**
	3000	**WOF3-SE-LV-3000-10**
	6000	**WOF3-SE-LV-6000-10**

description	length mm	OrderNo.
type 30, suspender set with connector along consisting of: 1 common ceiling canopy, 2 cables with nipple, 2 rapid adjuster, 1 connector along	1500	**WOF3-SE-LV-1500-30**
	3000	**WOF3-SE-LV-3000-30**
	6000	**WOF3-SE-LV-6000-30**

description	length mm	OrderNo.
type 00, suspender set with corner connector consisting of: 2 ceiling canopy, 2 cables with nipple, 2 rapid adjuster, 1 90°-corner connector	1500	**WOF3-SE-L090-1500-00**
	3000	**WOF3-SE-L090-3000-00**
	6000	**WOF3-SE-L090-6000-00**
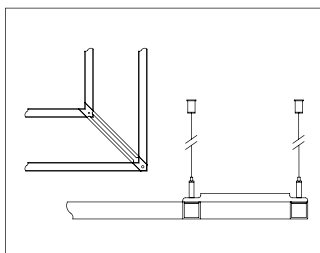
description	length mm	OrderNo.
type 10, suspender set with corner connector consisting of: 2 ceiling canopy, 2 cables with rope, 2 rapid adjuster, 1 90°- corner connector	1500	**WOF3-SE-L090-1500-10**
	3000	**WOF3-SE-L090-3000-10**
	6000	**WOF3-SE-L090-6000-10**

description	length mm	OrderNo.
type 30, suspender set with corner connector consisting of: 1 common ceiling canop, 2 cables with nipple, 2 rapid adjuster, 1 90°-corner connector	1500	**WOF3-SE-L090-1500-30**
	3000	**WOF3-SE-L090-3000-30**
	6000	**WOF3-SE-L090-6000-30**
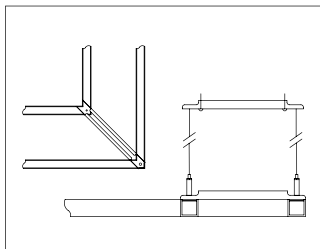
LED
LIGHT
CONTROL

Light control

> control modules for LED colour-mixing of voltage-controlled LED's
> simple saving and retrieving of static scenes
> simple handling of several light groups
> intuitive time-based scene management
> stepless change of scene of configurable in- an output times

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

description	OrderNo.
The LED control unit with integrated driver provides manual and automatic control up to 4 LED luminaire groups via separat channels. This enables up to 4 x 16 programmed lighting scenes recalled individually or played cyclically (for daylight simulation example) in up to 4 sequences.	**EVG-LED-RGB-80-24**

description	OrderNo.
Operation of up to 4 lighting scenes, 4 lighting groups and sequences. Wall bracket included. Only infrared.	**FB-IR-001**

description	OrderNo.
Control unit to control ECG-LED-RGB-80-24 via radio and infrared. Reach over 30 m incl. wall mount. Hybrid DVR technology, infrared and 868 MHz rado control. Operation of up to 8 lighting scenes, 8 lighting groups and 4 sequences.	**FB-IR-FK-001**

description	OrderNo.
Operating element 5,7' colour display, 640,480 pixels, individual placed and labeled, operation up to 64 lighting scenes and 4 sequences, 4 integrated DALI-broadcast channels for upt to 32 electronical ballasts, expandable up to 16 channels	**TP-OS-001**

description	OrderNo.		description	OrderNo.
IR receivor for control ov ECG-LED-RGB-80-24, built in luminiare	**EF-IR-LE-001**		IR receivor for control ov ECG-LED-RGB-80-24, built in ceiling	**EF-IR-DE-001**

description	OrderNo.		description	OrderNo.
Control unit to control FB-IR-001, 868 MHz radio receiver for wireless connection, built in luminiare/ceiling	**EF-FK-LE-DE-001**		Pushbutton enables the connection of conventional switches, buttons or motion detectors.	**TK-001**
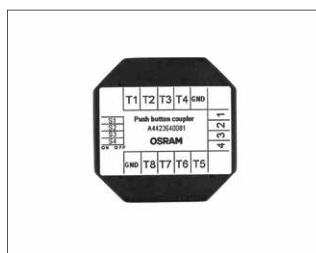
description	OrderNo.		description	OrderNo.
passive conductor, socket, 2x connecting cable 2,1 m included	**Y-CON-ST**		Splitter element with screw clamb to connect several control units for connecting other components, including 2x connecting cable 2,1 m	**Y-CON-SR**

description	OrderNo.		description	OrderNo.
RGBW control unit with DALi signal, 75 W/24 W/DC, adjustable 1-4 channels	**LTRA-075-8-01**		coupler element for linking multiple EASY systems, including connencting cable (1 m)	**KO-001**

ready2mains™
TELLS THE CURRENT HOW TO COMMUNICATE.

ready2mains™

Dimming
via the mains

the professional dimming
solution via the mains

Configuration
via the mains

the smart way
to configure your luminaires
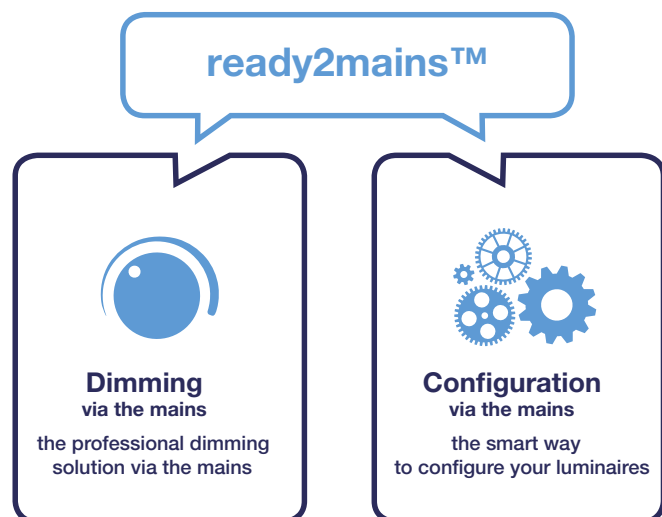
> **ready2mains™ from TRIDONIC uses the mains cable to transmit information: easily, reliably and professionally. Luminaires are controlled and dimmed directly via the mains, with no need for any additional wiring. Manufacturers can configure their luminaires with ready2mains, saving time and enhancing flexibility. ready2mains reduces production costs and installation costs and also reduces possible sources of error.**

That's how your current communicates

ready2mains™
uses phase-cuts to send
digital commands via the
mains wiring.

Digital commands

0   1   1   1   0   1

Mains supply
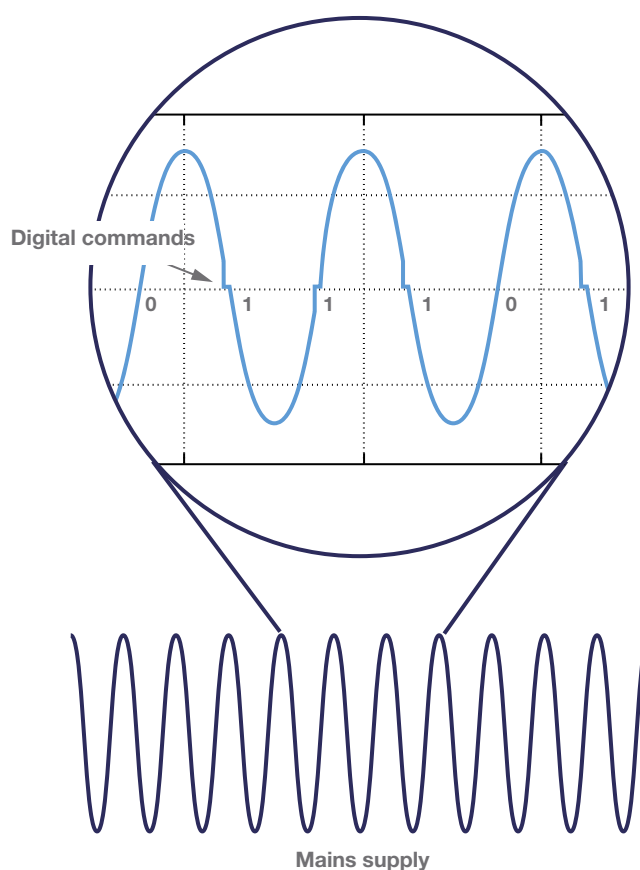
Dimming via the mains
THE PROFESSIONAL DIMMING SOLUTION VIA THE MAINS.

ready2mains is the professional way to dim via the mains. It allows for easy and cost-efficient refurbishment of existing luminaire installations with the latest dim-mable LED technology. There's no need for any rewiring within the ceilings as the existing mains wiring is used for communication. It is simple to install and provides the basis for cost-effective solutions

> low-cost upgrade from non-dimmable installations to dimmable LED solutions

> energy savings thanks to simple integration of sensors and push-buttons by using the one4all interface (DALI, DSI, switch DIM, corridorFUNCTION)

> no need for rewiring in the ceilings

Possible applications:

The ready2mains gateway transfers the commands from the control unit onto the mains wiring. The simplest control is a push-button. For maximum energy savin-gs daylight and presence sensors can also be connected. Additionally, the ready-2mains installation can be integrated into DALI networks, e.g. to connect to a building management system.

Push-button

Sensor

DALI/DSI

ready2mains Gateway

Luminaire

Luminaire

Luminaire
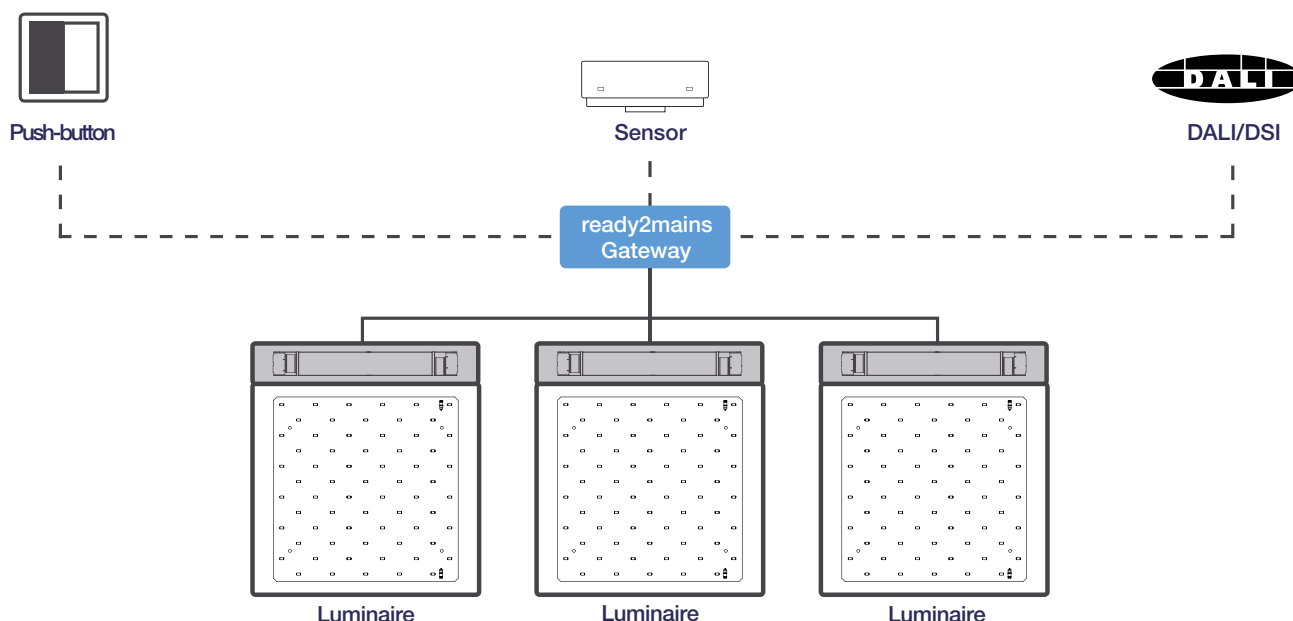
INFRARED
CONTROL.

When you wish to make an **LED** spotlight brighter or dimmer, the process often involves ambitious acrobatics. This is a risky business especially with spotlights that are difficult to access or in very high locations. At RUCO, we have developed a unique infra-red control system which enables you to adjust the brightness of LED spotlights safely and conveniently with a remote control and with your feet firmly on the ground. Ladders, scaffolding and raised platforms are a thing of the past. This prevents accidents and saves you considerable amounts of money.

The functionality is as simple as it is smart. The spotlights are fitted with a dimmer sensor which responds to the laser point of the remote control. The brightness of individual lights and entire groups can be targeted for modification. The results can be seen immediately and can be further adjusted as required, without climbing.

The distances between lights may be up to 8 metres. The regulation of a group of lights is possible within a cone-shaped radius of 90 degrees relative to maximum distance. Unlike dimming carried out using DALI control, the infra-red control method requires no additional cable if an existing lighting system needs to be modified. Once the dimming process is complete, the current dimmer values are saved automatically. These will continue to be available even after a power failure of the entire system. An additional plus point is that the system may be used as an accessory with almost all RUCO LED lights.

The dimmer sensor on the light will flash in green when it is targeted by the laser point of the remote.
The dimming processes „brighter" and „darker" are signalised by red and blue flashes of the LED on the light.
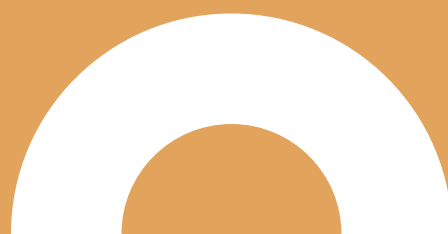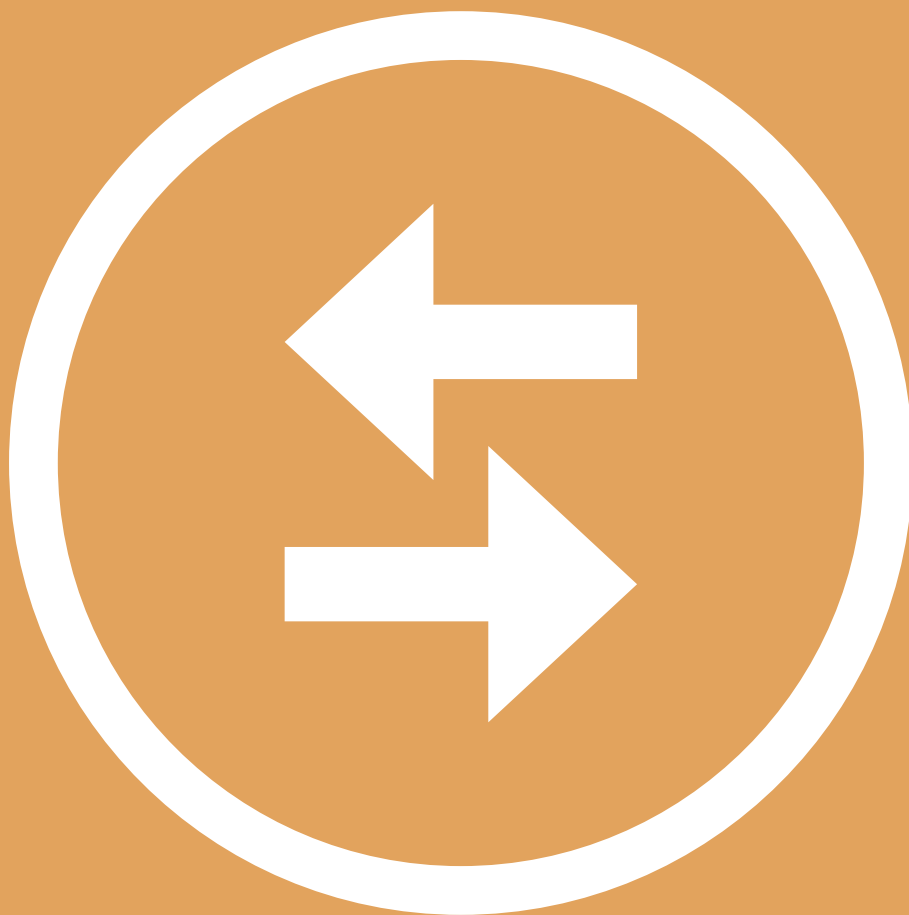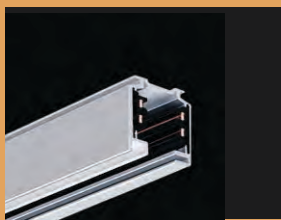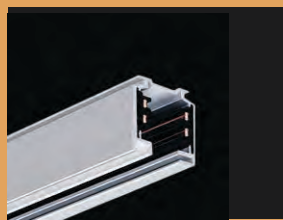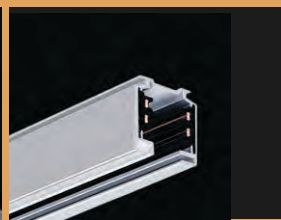
LED
ACCESSORIES

POWERTRACKS
SYSTEM.
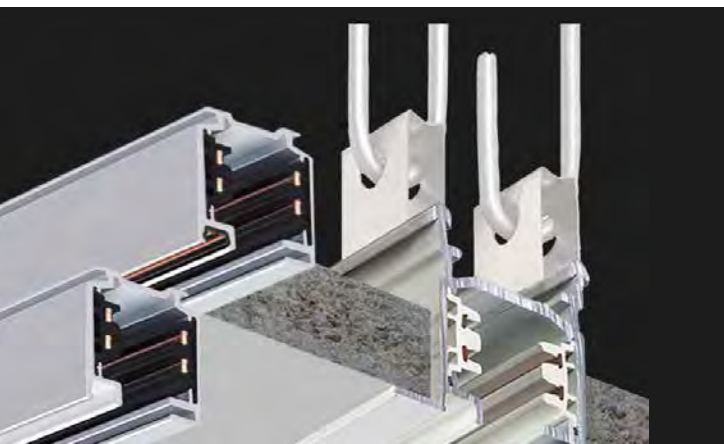
Easy to cut the required length can be done easily on site. No need for time consuming cutting back or bending back of copper con-ductiors. No need for any special tools.
Mounting pointsSurface track with pre-punched slotted holes every 333 mm (3~ track), and every 203 mm (1~ track).
Slotted holes are 6 mm – 25 mm.
Holes can be easily opened with a screwdriver or a similar tool.

Bio Store Hofgut - Castle Hamborn

Power Tracks mounted

> 3-phase track made from extruded aluminum

MORE
> colours: white, black, chrome

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

| RAL 9005 | RAL 9016 | EV1 ANODIZED | CE | 05 |
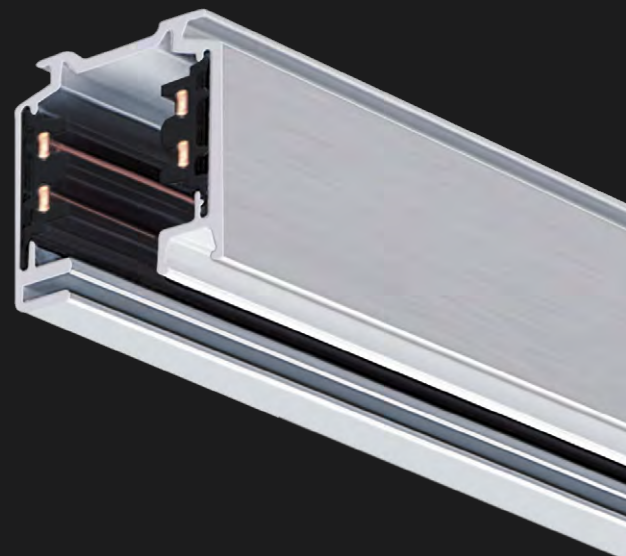
description	OrderNo.	length mm	kg
3-phase track, not dimmable	**S230-1**	1000	1.1
	S230-2	2000	2.2
	S230-3	3000	3.3
	S230-4	4000	4.4

32

36
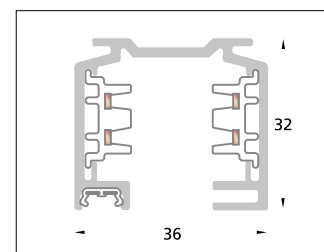
description	OrderNo.
end piece not dimmable	**S3-E**
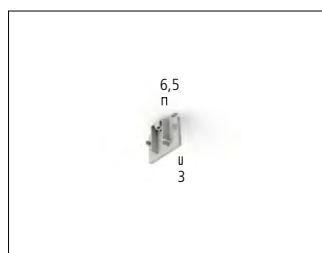
6,5

3

description	OrderNo.
electric feeder supply conductor right	**S3-ER**

36

72

description	OrderNo.
electric feeder supply conductor left	**S3-EL.WS**

36

72
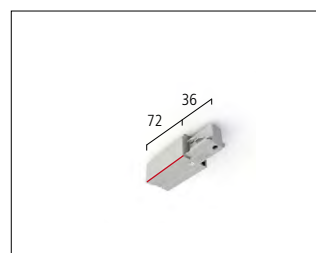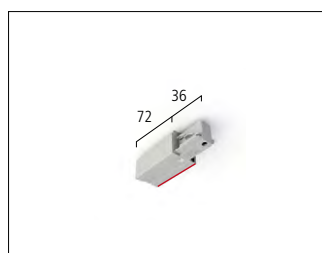
description	OrderNo.
electrical mid feeder	**S3-EM.WS**
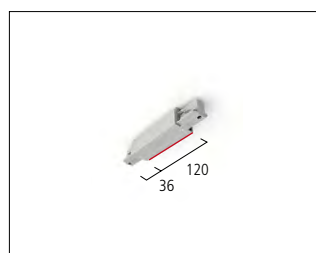
120

36
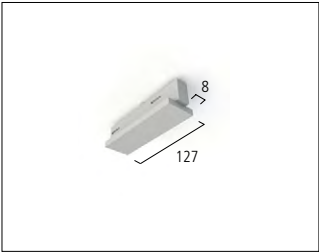
description	**OrderNo.**	**description**	**OrderNo.**
electric point feeder	**S3-PM.WS**	electric along connector	**S3-V.WS**
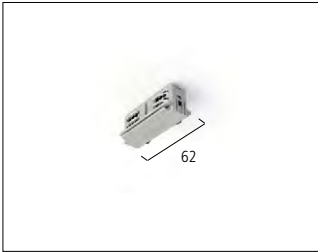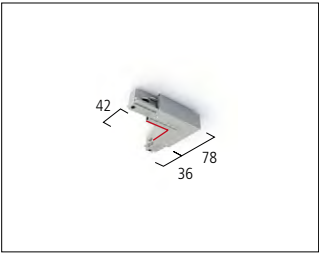
description	**OrderNo.**	**description**	**OrderNo.**
electric corner connector, supply conductor inside	**S3-LI.WS**	electric corner connector, supply conductor outside	**S3-LA.WS**
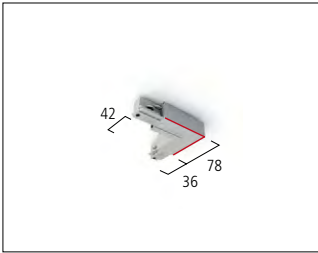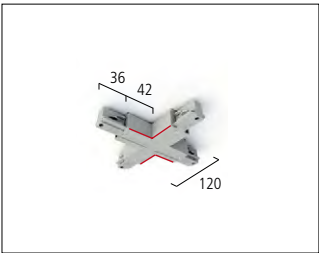
description	**OrderNo.**	**description**	**OrderNo.**
electric X-connector	**S3-X.WS**	electric flexible connector	**S3-FX.WS**
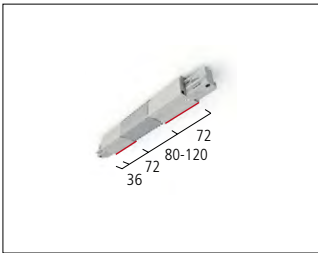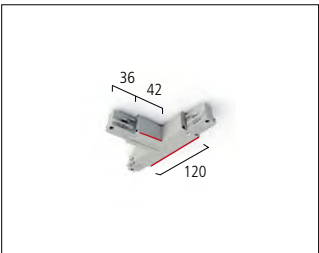
description	**OrderNo.**	**description**	**OrderNo.**
electric T-connector, supply conductor outside-left	**S3-T-AL.WS**	elecric T-connector, supply conductor outside-right	**S3-T-AR.WS**

description	**OrderNo.**	**description**	**OrderNo.**
electric T-connector, supply conductur inside-left	**S3-T-IL.WS**	electric T-connector, supply conductor inside-right	**S3-T-IR.WS**

Status: 08/16

description	OrderNo.
suspension set mechanical universal hook, up to max 10 kg, ø wire up to 2mm, cover cap, colours: white, black	**S230-UH.01**

description	length mm	OrderNo.
wire suspension for 3-phase track cable with toolless rapid adjustment and ceiling canopy, colours: white, black	1500	**S230-SA-1500-00**
	3000	**S230-SA-3000-00**
	6000	**S230-SA-6000-00**

description	length mm	OrderNo.
suspension claw for 3-phase track , cable with toolless rapid adjustment for on site ceiling hook, colours: white, black	1500	**S230-SA-1500-10**
	3000	**S230-SA-3000-10**
	6000	**S230-SA-6000-10**

description	length mm	OrderNo.
suspension claw for 3-phase track, cable with toolless rapid adjustment for on site ceiling hook, steel sheet galvanized	1500	**S230-SX-1500-10**
	3000	**S230-SX-3000-10**
	6000	**S230-SX-6000-10**

description	OrderNo.
Schuko plug for 3-phase track with 3-phase adapter, colours: white, black	**S230-ST**

MECHANICAL CONNECTORS

description	OrderNo.
mechanical connector along with standing bolt	**S230-MV180**
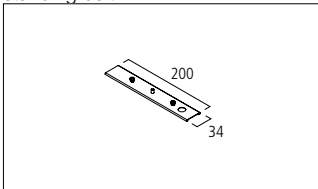
description	OrderNo.
mechanical X-connector for stifening	**S230-MV360**
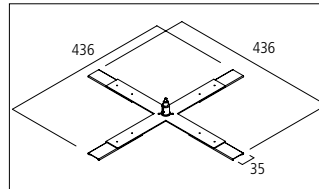
description	OrderNo.
mechanical connector 90°	**S230-MV090**
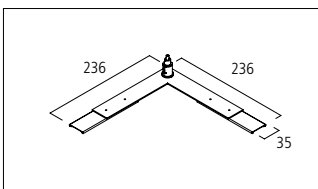
description	OrderNo.
mechanical T-connector as stifening for cable/suspension mounting	**S230-MV270**

Status: 08/16
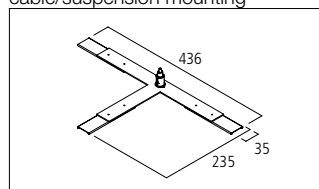
Power Tracks mounted Dali
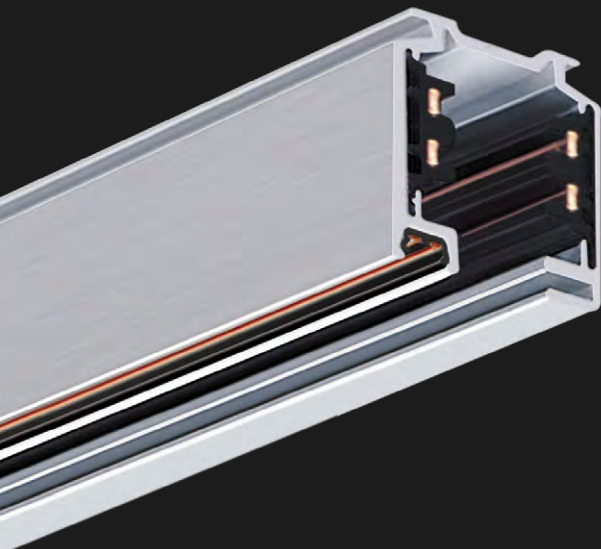
> 3-phase track made from extruded aluminum

MORE
> colours: white, black, chrome

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

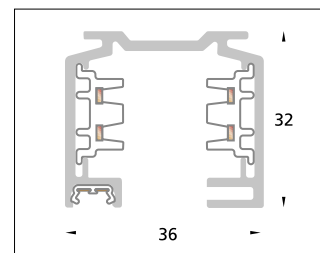| description	OrderNo.	length mm	kg
3-phase data bus track, ceiling mounted	**SB230-1**	1000	1.1
	SB230-2	2000	2.2
	SB230-3	3000	3.3
	SB230-4	4000	4.4

description	OrderNo.
end piece dimmable	**SB230-E**
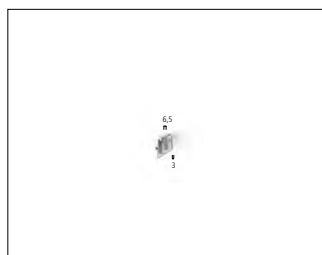
description	OrderNo.
electric feeder with data bus for 3-phase track, supply conductor right	**SB3-ER**
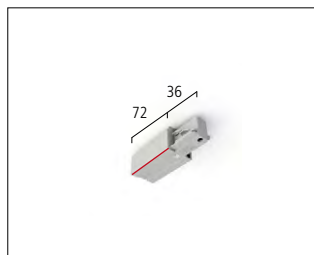
description	OrderNo.
electric feeder with data bus for 3-phase track, supply conductor left	**SB3-EL**
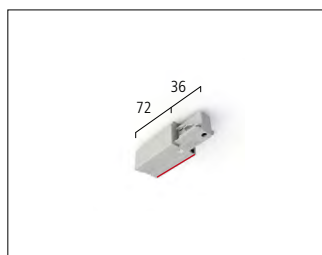
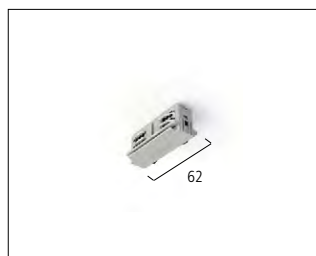| description	OrderNo.
electric mid feeder with data bus for 3-phase track	**SB3-EM**

Status: 08/16
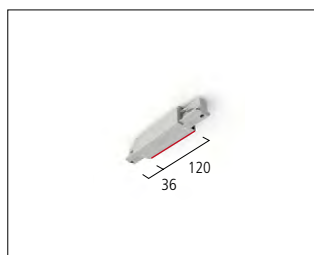
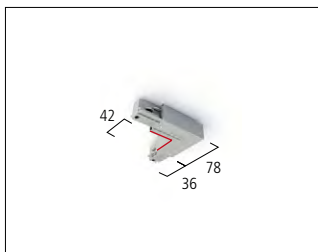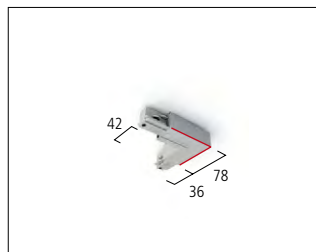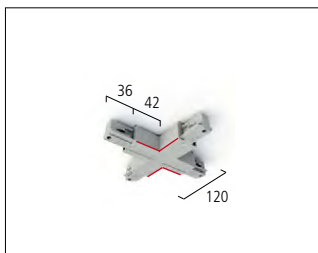| description	OrderNo.	description	OrderNo.
electric point feeder with data bus for 3-phase track, positionable at any point without dividing the track	**SB3-PM**	electric connector along with data bus for 3-phase track	**SB3-V**
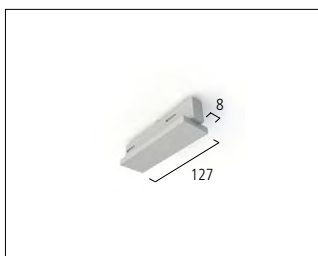
description	OrderNo.	description	OrderNo.
electric corner connector with data bus für 3-phase track, supply conductor inside	**SB3-LI**	electric corner connector with data bus for 3-phase track, supply conductor outside	**SB3-LA**

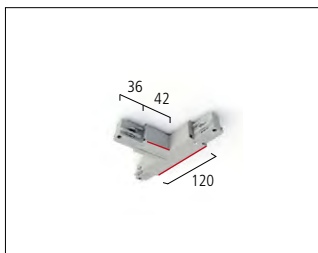| description	OrderNo.	description	OrderNo.
electric x-connector with data bus for 3-phase track	**SB3-X**	electric flexible connector with data bus for 3-phase track, from 30 - 330°	**SB3-FX**

description	OrderNo.	description	OrderNo.
electric T-connector with data bus for 3-phase track, supply conductor outside, left	**SB3-T-AL**	electric T-connector with data bus for 3-phase track, supply conductur outside, right	**SB3-T-AR**

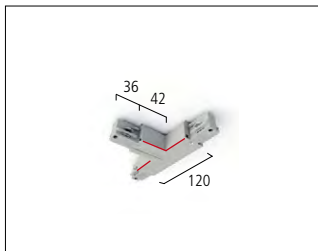| description	OrderNo.	description	OrderNo.
electric T-connector with data bus for 3-phase track, supply conductor inside, left	**SB3-T-IL**	electric T-connector with data bus for 3-phase track, supply conductor inside right	**SB3-T-IR**

description	OrderNo.
suspension set mechanical universal hook, up to max 10 kg, ø wire up to 2mm, cover cap, colours: white, black	**S230-UH.01**

description	length mm	OrderNo.
wire suspension for 3-phase track cable with toolless rapid adjustment and ceiling canopy, colours: white, black	1500	**S230-SA-1500-00**
	3000	**S230-SA-3000-00**
	6000	**S230-SA-6000-00**

description	length mm	OrderNo.
suspension claw for 3-phase track , cable with toolless rapid adjustment for on site ceiling hook, colours: white, black	1500	**S230-SA-1500-10**
	3000	**S230-SA-3000-10**
	6000	**S230-SA-6000-10**

description	length mm	OrderNo.
suspension claw for 3-phase track, cable with toolless rapid adjustment for on site ceiling hook, steel sheet galvanized	1500	**S230-SX-1500-10**
	3000	**S230-SX-3000-10**
	6000	**S230-SX-6000-10**

description	OrderNo.
Schuko plug for 3-phase track with 3-phase adapter, colours: white, black	**S230-ST**

Edeka Nüsken - Dortmund

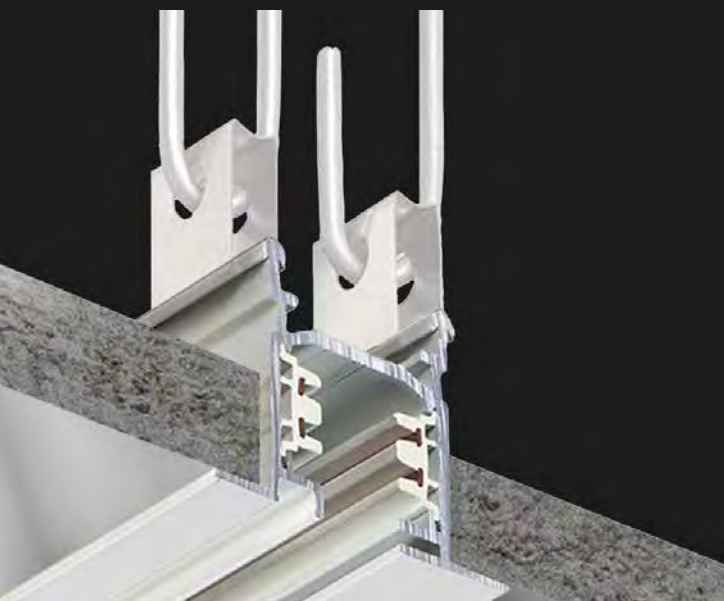# Power Tracks recessed

> 3-phase track made from extruded aluminum

MORE
> colour: white

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

description	OrderNo.	length mm	kg
3-phase track recessed, not dimmable	**SE230-1**	1000	1.1
	SE230-2	2000	2.2
	SE230-3	3000	3.3
	SE230-4	4000	4.4
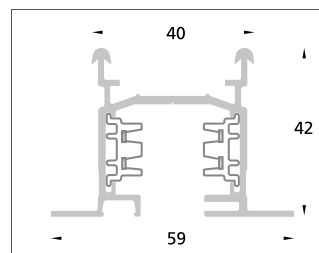
description	OrderNo.
end piece, colour: white	**SE3-E**
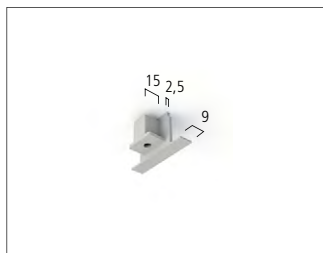
description	OrderNo.
feeder supply conductor right	**SE3-ER**
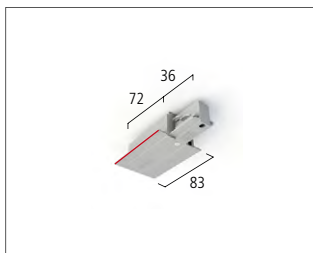
description	OrderNo.
feeder supply earth conductor left	**SE3-EL**
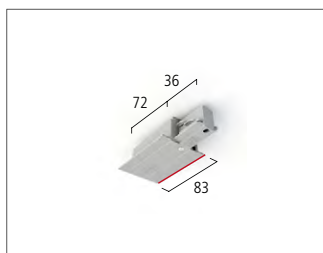
description	OrderNo.
mid feeder	**SE3-EM**
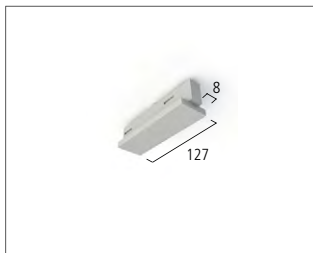
description	OrderNo.	description	OrderNo.
along connector	**SE3-LV**	connector supply earth conductor inside	**SE3-LI**
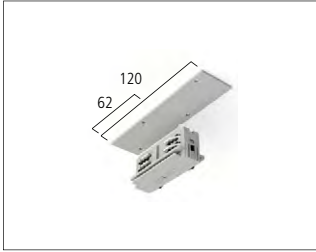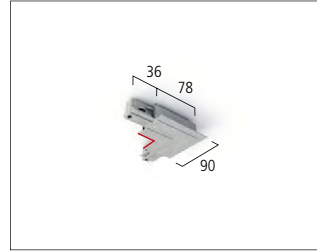
description	OrderNo.	description	OrderNo.
connector supply conductor outside	**SE3-LA**	I-connector with feeding option	**SE3-V**
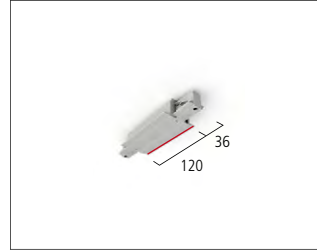
description	OrderNo.	description	OrderNo.
T-connector with feeding option, supply earth conductor inside left	**SE3-T-AL**	T-connector with feeding option, supply earth conductor inside right	**SE3-T-AR**
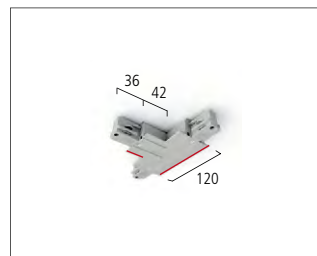
description	OrderNo.	description	OrderNo.
T-connector with feeding option, supply earth conductur inside left	**SE3-T-IL**	T-connector with feeding option, supply earth conductor inside right	**SE3-T-IR**
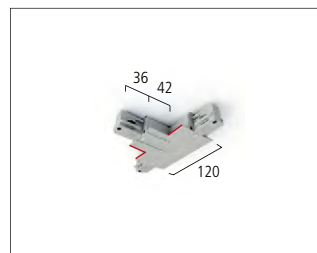
description	OrderNo.	description	OrderNo.
X-connector with feeding option	**SE3-X**	spring clip	**SE3-FC**
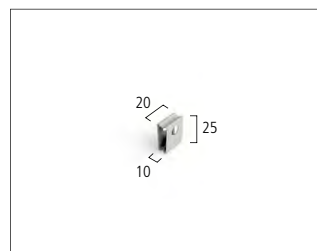
POWER TRACKS
LAYOUT HELP.
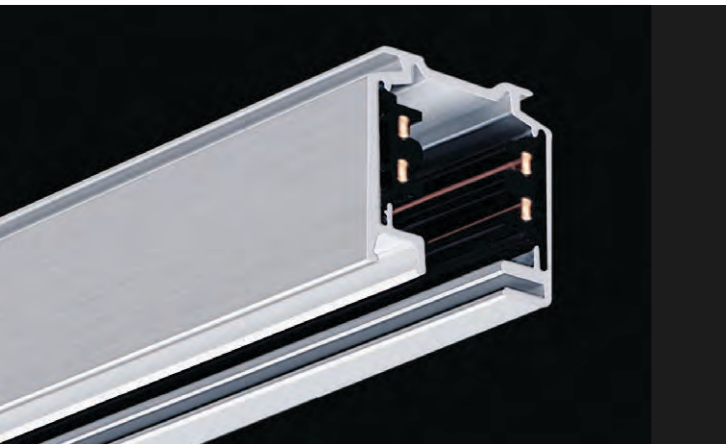
The track offers the earthing along one inner side of the profile. When planing the layout you need to consider earth continuity. The location of the earthing is defined by the viewin direction of the track. The layout needs to be looked at true sided from above. Please see sketch below as a layout help.

L-coupler
ER inside

T-coupler
ER inside right

End feed
ER left

End feed
ER left

L-coupler
ER inside

X-coupler

L-coupler
ER outside

ER = Earthing

End feed
ER right

End feed
earth right

End feed
earth left

L-coupler
earth outside

L-coupler
earth inside

T-coupler
earth inside right

T-coupler
earth inside left

T-coupler
earth outside right

T-coupler
earth outside left

X-coupler
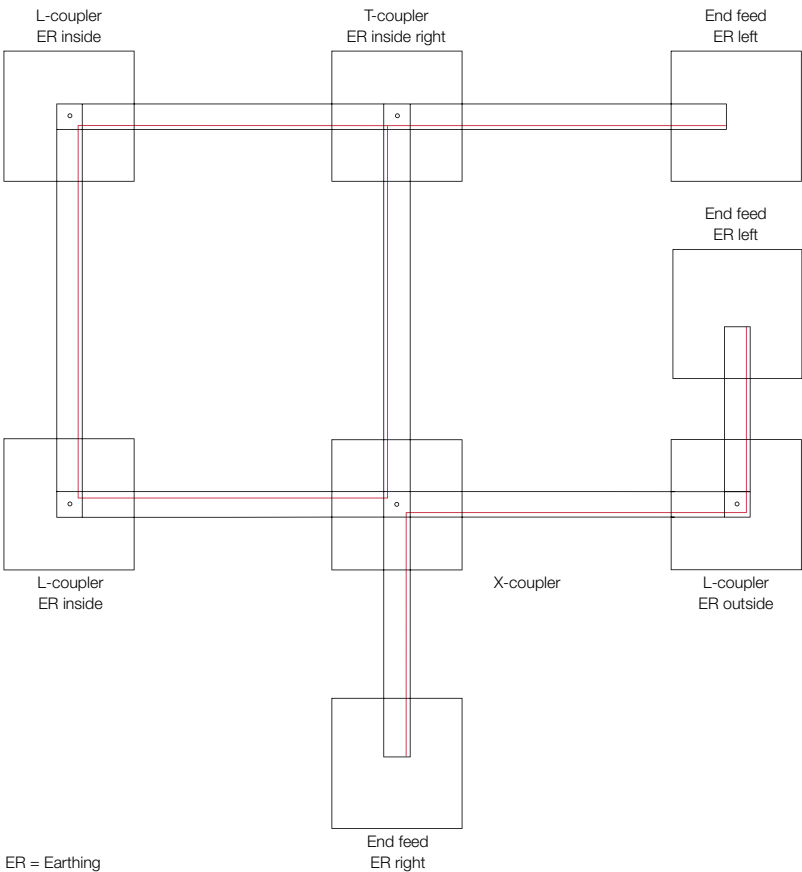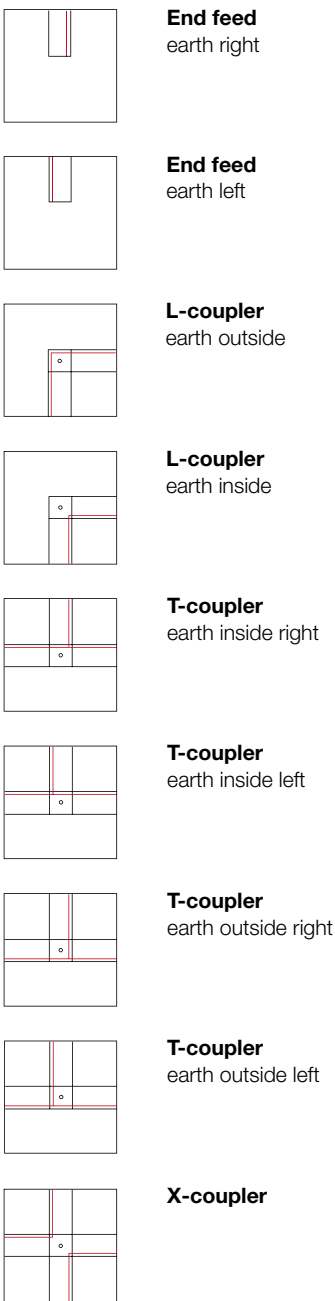
POWER TRACKS
IMPORTANT SAFETY NOTES.

Please consider all safety notes from the technical manual. Keep them carefully in case you will extend or change the installation. Lighting tracks are for indoor use only (IP20, 45°C max.), do not use in damp or wet locations.

3~ track wiring diagram

Connection to AC 230V (220-240V)
maximum load: 3.600 W (3.500 - 3.800 W)
Total load can spread on any circuit.

fuse	1 x 16 A
power supply cable	min. 3 x 1,5 mm^2
	max. 3 x 2,5 mm^2
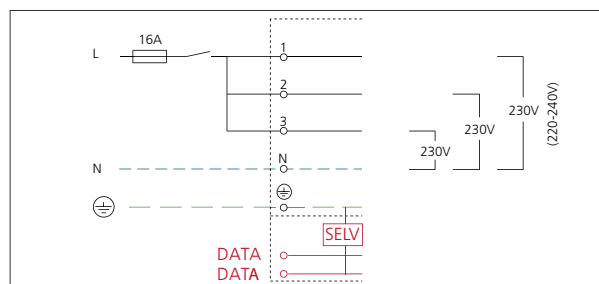
Connection diagram for data bus wiring

Attention: no closed circle structure otherwise data bus functionality will be not given.

Bio delicatessen - Löwenzahn

Jochum - Zusmarshausen

Holzland Roeren - Krefeld
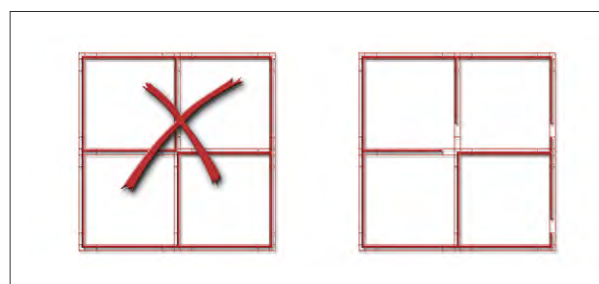
Suspension accessories

> Each suspender module consists of the ceiling fixture shown, the wire in the length indicated an the rapid adjuster device to set cable length.

DETAILS
> type00 = øwire 1,50 mm
> type01 = øwire 1,00 mm

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

description	length wire (mm)	OrderNo.
cable with ceiling canopy, Type00 = øcable 1,50, chrome	1500	**Z-SA-1500-00**
	3000	**Z-SA-3000-00**

description	length wire (mm)	OrderNo.
cable with ceiling canopy, Type01 = øcable 1,00, chrome	1500	**Z-SA-1500-00-01**
	3000	**Z-SA-3000-00-01**

description	length wire (mm)	OrderNo.
cable with press nipple, Type00 = øcable 1,50, chrome	1500	**Z-SA-1500-01**
	3000	**Z-SA-3000-01**

description	length wire (mm)	OrderNo.
cable with press nipple, Type01 = øcable 1,00, chrome	1500	**Z-SA-1500-01-01**
	3000	**Z-SA-3000-01-01**

description	length wire (mm)	OrderNo.
cable with rope, Type00 = øcable 1,50, chrome	1500	**Z-SA-1500-10**
	3000	**Z-SA-3000-10**

description	length wire (mm)	OrderNo.
cable with rope, Type01 = øcable 1,00, chrome	1500	**Z-SA-1500-10-01**
	3000	**Z-SA-3000-10-01**

description	length wire (mm)	OrderNo.
cable with rope (øcable 1,50 mm) and plastic canopy, colour white	1500	**Z-SA-1500-20**
	3000	**Z-SA-3000-20**

description	OrderNo.
built-in canopy for suspended ceiling, suitable for metal sheet ceiling/wood upt to max. 15 mm, suspender unit for luminaries up to 3 kg, without connecting wire as suspension, colours: silver, white	**Z-ABH-00**

description	OrderNo.
built-in canopy for suspended ceilings, suitalbe for steel sheet ceiling and plasterboard/wood up to max. 15 mm, with middle whole only for steel wire suspension (wire 1,50 mm)	**Z-ABH-01**

description	OrderNo.
built-in canopy for suspended ceilings, suitalbe for steel sheet ceiling and plasterboard/wood up to max. 15 mm, with middle whole only without connecting wire (wire 1,00 mm - 1,50 mm)	**Z-ABH-02**

description	OrderNo.
suspender unit for mounting at metal sheet ceiling, up to 3 kg using connecting wire as suspension, without connecting wire, colurs: silver, white	**Z-ACH-00**

description	OrderNo.
decorative suspension unit for mounting at metal sheet ceiling, for luminaries up to 3 kg, additional steel wire, without connecting wire, colours: silver, white	**Z-ACH-01**

Suspension accessories

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

description	OrderNo.
canopy round with ball and socket joint holder, suitable for slanted ceilings, colours: silver, white	**Z-AEH-01**

description	OrderNo.
canopy quadrate with ball and socket joint holder, suitable for slanted ceilings, colours: silver, white	**Z-ADH-01**

description	OrderNo.
ball-canopy, suitable for slanted ceilings	**Z-KDB-90**

description	OrderNo.
quadrate ceiling canopy for mouting at concrete ceiling, 1. cable channel aside, luminairies suspension from 3 kg on steel wire, colours: silver, white	**Z-ACH-EQ**

description	OrderNo.
canopy for ceiling mounting, cable 1500 mm / 2 x 0,5 mm, suitable for 700 and 900 mA driver, colours: silver, white, black	**Z-BA-RU140-DA-K-1500**

description	OrderNo.
canopy for ceiling mounting, wire with press nipple 1,5 x 1500 mm, cable 1500 mm / 2 x 0,5 mm black, suitable for 700 and 900 mA driver, not dimmable, see LE, colours: silver, white, black	**Z-BA-RU140-DA-SK-1500**

description	OrderNo.
canopy with adapter for 3-phase track, cable 1500 mm / 2 x 0,5 mm, suitable for 700 and 900 mA driver, colours: silver, white, black	**Z-BA-RE170-A-K-1500**

description	OrderNo.
canopy with adapter for 3-phase track, wire and cable 1500 mm / 2 x 0,5 mm, suitable for 700 and 900 mA driver, colours: silver, white, black	**Z-BA-RE170-A-SK-1500**

Connecting lines

> For wiring of lights to each other preassembled lines system Wieland GST are used. The maximum number of lights which can be switched on a circuit depends on the power and art of the light sourece.

DETAILS
> plug-in wiring 230 V (3pole)
> system Wieland GST 18, or ST 16
> colours: black, or white

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

description	length mm	OrderNo.
socket/plug Wieland GST 18	500	**VB-V-GST-0500**
	1000	**VB-V-GST-1000**
	1500	**VB-V-GST-1500**
	2000	**VB-V-GST-2000**
	2500	**VB-V-GST-2500**
	3000	**VB-V-GST-3000**
	6000	**VB-V-GST-6000**

description	length mm	OrderNo.
connecting line 3x1,5 qmm, system GST, length 2000 mm, colour black, 1. side socket 2. side Schuko plug angled	2000	**VB-A GST-2000-01**

description	length mm	OrderNo.
connecting cable 3 x 1,5 mm, system GST, colour black, 1. side ferrules, 2. side socket	3000	**VB-A-GST-3000-00**

description	OrderNo.
3pole socket, strain relief for 1 round hole, simple clamping connection	**BU-3pol-00**
	ST-3pol-GST-00

description	OrderNo.
distributor clutch, colour black, 3 x socket, 1 x plug	**VB-Z-3-1-GST-SW**

description	OrderNo.
T-distributor clutch system Wieland, for 2x plug & 1x socket, colour black	**VB-T GST 2/1 SW**
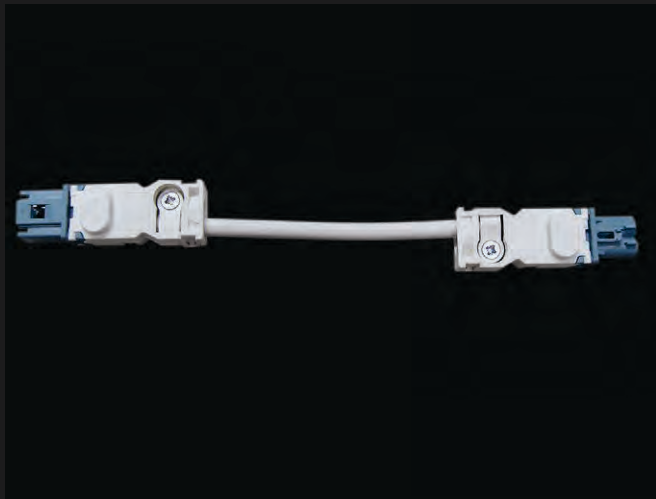
Connection Cables Bus

> for wiring of lights to each other preassembled lines system Wieland GST 15i2 are used.

DETAILS
> plug-in wiring 2polig
> System Wieland GST 15i2

At time of print.
Current technical data and information, see www.rucolicht.de

description	OrderNo.
2pole T-distributor block Wieland Mini, for Wieland system GST15i2, colour: blue, 1 input/2 outputs, for dimming Dali or 1-10V	**VDL-T**

description	OrderNo.
2pole distributor block Wieland Mini, for Wieland system GST 15i2, colour: blue, 1 input/2 outputs, for dimming Dali or 1-10V	**VDL-Z-00**

description	OrderNo.
2pole distributor block Wieland Mini, for Wieland system GST 15i2, colour: blue, 1 input/2 outputs, for dimming Dali or 1-10V	**VDL-Z-10**

description	OrderNo.
plus 2pole system Wieland Mini, colour: blue, for dimming Dali or 1-10V	**VDL-ST-00**

description	OrderNo.
2pole socket system Wieland Mini, colour: blue, for dimming Dali or 1-10V	**VDL-BU-00**

description	length mm	OrderNo.
2pole connecting line Wieland Mini, plug copling system Wieland ST 15i2, cable colour: white, plug/socket: white/blue, for dimming Dali or 1-10V	500	**VDL-V0500**
	1000	**VDL-V1000**
	1500	**VDL-V1500**
	2000	**VDL-V2000**
	2500	**VDL-V2500**
	3000	**VDL-V3000**
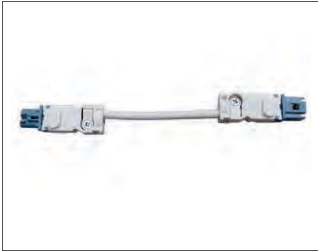
Connectors

> cross section 3 x 0,75/5 x 0,75
> length: maximum suspension length with ferrules

MORE
> colours: white, black, transparent

When ordering, always specify the desired colour.
At time of print.
Current technical data and information, see www.rucolicht.de

description	length mm	OrderNo.
3pole connecting cable 3x0,75, usable	1500	**AL-3-1500-20**
cable length ca. 1500 mm (depending	3000	**AL-3-3000-20**
on lamp type)	5000	**AL-3-5000-20**
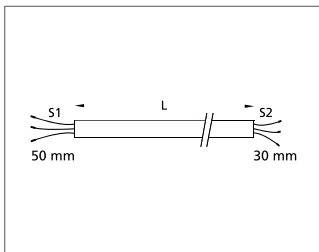
description	length mm	OrderNo.
5pole connecting cable 5x0,75, usable	1500	**AL-5-1500-20**
cable length ca. 1500 mm (depending	3000	**AL-5-3000-20**
on the lamp type)	5000	**AL-5-5000-20**
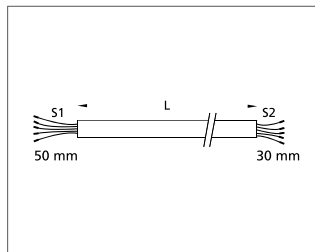
description	length mm	OrderNo.
connector type 20, 3x0,75, 300 mm	300	**Z-AS-20**
long with Wieland plug GST18 fixed to		
EVC		
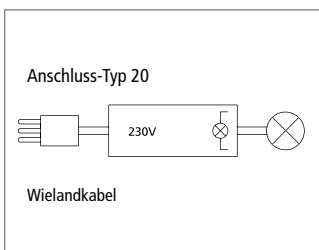
description	length mm	OrderNo.
connector cable 3x0,75, colour white,	3000	**Z-AS-30-30**
with Schuko plug fixed to EVC	5000	**Z-AS-30-50**

description	length mm	OrderNo.
connector line 3x0,75, with Wieland	3000	**Z-AS-20-30**
plug GST18 fixed to EVC	5000	**Z-AS-20-50**

Anschluss-Typ 30

230V

Schukostecker

Anschluss-Typ 20

230V

Wielandkabel
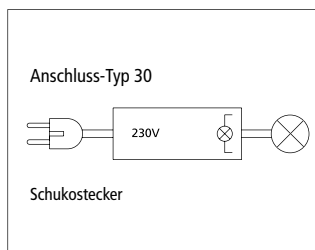
description

connecting line 2x0,75, white, length
300 mm with Wieland plug GST15i2
fixed to ECG for data bus/dimming

OrderNo.

Z-AS-20-BUS
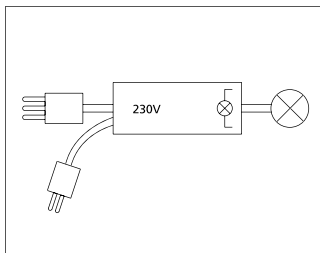
Holzland Roeren - Krefeld

GENERAL
INFORMATIONS.

Lifetime/luminous flux maintenance

> The luminous flux generated by the LEDs will, as with other methods of lighting, reduce over time so that after a certain point, the original light intensities can no longer be achieved. The reliability and efficiency of the LEDs relies heavily on the operating conditions. RUCO lights are thermally designed so that they always remain under the critical temperature when used as intended and thus are able to maintain the maximum luminous flux over the long period of time.

> It is usual to specify the time after which the luminous flux of a certain percentage of all LEDs is reduced to a value of 70% to 80% of the starting value.

> The market currently describes the use of LEDs with the specification L70/B50 50,000h, thus, after 50,000 hours only 50% of the LEDs used will have 70% of the original luminous flux.

> RUCO uses high-performance LEDs with the specification L80/B10 50,000h, thus, after 50,000 hours; at least 90% of the LEDs still have 80% of the original luminous flux. The remaining 10% of the LEDs do not fail, instead they only offer up to 79% of their original luminous flux.

Measurement of LED modules, round construction format with Zhaga

Before measuring light, the maximum electrical performance that the cooling element is able to cope with is determined.
The basis for this is the maximum TC temperature of the installed LED Chips T(c) of 65 °C in operation at an ambient temperature of $T_{(amb)}$ = 25 °C.

> The system performance $P_{(sys)}$ is made up of the consumption of the LED Chip $P_{(LED)}$ and the performance loss of the driver $P_{(Tr)}$.

> Measurement of luminous flux; reference value of measurement is generally not the specified luminous flux of the manufacturer at T=25 °C $lm_{(T25)}$, instead it is the luminous flux that the LED generates at 65 °C in the light (lm_{TC65}).

> The measurement is carried out using the reflector/optic/grid etc. The result is the lumen package that is available to the space $(lm_{luminary-TC65})$

> The $lm_{luminary-TC65}$ is specified in all technical documentation from RUCO.

> The effectiveness of the light is determined as follows:

12Specification of the efficiency of the system in lm/W

Efficiency $= (lm_{luminary-TC65}) / P_{(sys)}$

SYMBOLS AND
SHORTCUTS.

L = length

LE = length recessed

B = width

BE = width recessed

H = height

HE = height recessed

ø = diameter

øE = diameter recessed

kg = approximately weight

All dimensions are given in mm.

DIN EN ISO 9001 2008
The RUCO quality management is to DIN EN ISO 9001-2008.

Colour rendering (CRI)

One of the methods used to make the colour rendering quality measurable and to represent it as objectively as possible
is the so-called Colour Rendering
Index or CRI. For the determination of this, a calculated comparison is made between the bulb to be evaluated and a reference light
source of the same colour temperature. A CRI between 90 and 100 is considered very good, and a value between 80 and 90 is good.
The CRI method should only be used to give a rough estimate of the bulb. A visual assessment should be used to compare multiple
forms of bulb to each other.

$\boxed{\text{C} \epsilon}$

All products that are to be assigned the EMC directive 2004/108/EC (electro-magnetic compatibility) and the LV directive 2006/95/EC
(low voltage directive) meet the requirements and are identified with the CE mark.

The ENEC (European Norms Electrical Certification) is a mark which confirms conformity with the European safety standards. Testing
and certification are carried out in accordance with European standards. The manufacturing of the product has been assessed by an
accredited inspection authority such as Electrosuisse or, for manufacturing plants abroad, by a partner organisation of a similar nature,
and thus guarantee the consistent conformity of the product.

DALI is a registered trademark of ZVEI (Zentralverband Elektrotechik und Elektronikindustrie e.V) and is used with the permission
of ZVEI.

GENERAL **TERMS**

§ 1 Section1 Sphere of validity

(1) The sphere of validity of these terms and conditions of sale refer to all the Seller's goods and services.

(2) These terms and conditions of sale shall only apply for businesses, legal entities established under public law or special funds established under public law.

(3) Goods and services provided by the Seller shall be governed by the following Terms and Conditions of Business alone. If the Buyer has terms and conditions of business which differ from, or which are more extensive than, the Seller's T&Cs, they shall only become part of the contract in those cases in which the Seller has granted his express consent.

(4) This shall also apply in the event that the Seller provides the goods and services without reservation in the knowledge that the Buyer's T&Cs are contrary to, more extensive than, or differ from, his own T&Cs.

§ 2 Subject-matter of the contract

(1) The subject-matter of the contract is the supply of goods and / or services alone as defined in the order confirmation. Amendments, supplements and side agreements shall only be binding if they are confirmed in writing by the Seller.

(2) Contractual services not stated in the order confirmation and in particular those announced for advertising purposes shall only become part of the subject-matter of the contract if this has been confirmed in writing by the Seller.

(3) As a matter of principle only the features listed in the order confirmation shall be regarded as having been agreed as being the properties and condition of the subjectmatter of the contract. Public comments, puffs or advertising shall not constitute any contractual statement of properties and condition statements, other than those in the order confirmation.

§ 3 Conclusion of a contract

(1) The Seller is entitled to accept the order by sending out an order confirmation.

(2) Should the order confirmation contain spelling mistakes or typing errors, or should the specified price be incorrect due to transmission defects caused by technical reasons, the Seller shall be entitled to contest it. Payments already made shall be refunded to the Buyer without undue delay.

(3) Offers, including those which have been made in our name, shall be subject to change without notice and are non-binding. A contract shall only be regarded as having been concluded on a legally binding basis in those cases in which this has been confirmed in writing or actually carried out by the Seller.

§ 4 Prices, Offsetting and Right of retention

(1) Provided that nothing has been agreed to the contrary in writing, our prices shall apply net ex works plus the sum of value added tax payable and excluding packing and carriage. Any costs there may be for packing and carriage, any additional costs for disposal charged by the manufacturers / suppliers of bulbs as well as any disposal costs accruing to us will be shown separately in the order confirmation and will be invoiced separately.

(2) If the value of the goods in an order is less than EUR 150.00 net, we shall charge an extra handling fee for this of EUR 10.00 plus the value added tax payable.

(3) The agreed remuneration shall become due for payment upon the receipt of invoice. The invoiced sum must be credited to the Seller's account shown in the invoice within 14 days from receipt of the invoice, unless and agreement has been made otherwise in writing.

(4) If the Buyer is in default with payment, the Seller shall consequently be entitled to demand default interest amounting to 8 percentage points above the base rate at that time. The Seller may still demand additional default damages.

(5) The Buyer shall only be entitled to offset or to retain payment if his counterclaims have been adjudicated, are uncontested or have been recognised by us.

(6) The Buyer shall only be entitled to cancel a contract which has materialised in accordance with Section 3 of these Terms and Conditions of Sale if the Seller has expressly agreed in writing to the cancellation.

(7) If a contract is cancelled by the Buyer prior to the despatch of the goods in accordance with Paragraph (6) above, the Seller shall be entitled to demand 15% of the order net price for the costs incurred by processing the order and to cover lost profit. The Buyer is however allowed to prove that the Seller has incurred no loss at all or that the loss incurred was less than 15%.

(8) If the contract is cancelled in accordance with Paragraph (6) above after the goods have been despatched, the Buyer shall be obliged to return the goods without undue delay. A credit will be raised for goods returned undamaged and in their original packing minus the costs incurred as a result of the

order being processed and lost profit. This means that the credit will amount to 80% of the net price invoiced. The Buyer is however allowed to prove that the Seller has incurred no loss at all or that the loss incurred was less than 15%.

(9) Necessary reprocessing and packing costs as well as the transport costs incurred by the Seller shall be deducted from the credit in accordance with Paragraph (8).

(10) Special productions manufactured specifically for the Buyer and electrical fixtures will not be taken back.

§ 5 Delivery Period, Passing of risk

(1) The beginning of a delivery period stated by us or agreed with the Buyer assumes that the Buyer has fulfilled his duties properly and on time. The Seller shall reserve the right to raise the objection that the contract has not been fulfilled.

(2) If the Buyer is in default with taking delivery of the goods or if he is in culpable breach of other obligations to co-operate, the risk of accidental loss or accidental deterioration of the goods shall pass over to the Buyer at that point in time at which he finds himself in default with taking delivery or debtor's delay.

(3) If the goods are despatched at the Buyer's wish to him or to a delivery destination specified by him, the risk of accidental loss or accidental deterioration of the goods shall consequently pass over to the Buyer when the goods are handed over to the haulier, freight forwarder or other person or organisation designated to convey the goods. This shall apply regardless of whether the goods are despatched from the place of fulfilment or who is to bear the freight costs.

§ 6 Reservation of title

(1) We shall reserve the title to the goods supplied until all our accounts created under the supply contract have been completely fulfilled. We shall be entitled to take back the goods if the Buyer is in breach of contract, in particular if he is in default with payment. By taking back the goods we shall be stating our withdrawal from the contract. After taking back the goods we shall be entitled to sell them and to offset the proceeds from a sale against the Buyer's liabilities – minus reasonable sale costs.

(2) As long as title has still not passed over to him, the Buyer shall have to handle the goods with care and notify the Seller without undue delay in writing, if the purchased thing has been pledged or is vulnerable to third party interference. In the event that legal action is taken by us in accordance with Section 771 of the German Code of Civil Procedure [ZPO], the Buyer shall be liable for the intervention costs incurred by us, but only however, in so far as the third party is unable to repay our costs.

(3) Our title shall also cover the new products created by the goods subject to reservation of title having been processed. Processing shall be carried out for the Seller. If the goods subject to reservation of title are processed, or merged with things not belonging to the Seller, the Seller shall acquire co-ownership in proportion to the sum invoiced for the goods subject to reservation of title to the sum invoiced for the other materials.

(4) The Buyer is entitled to resell the goods subject to reservation of title in a normal commercial transaction. The Buyer assigns his accounts resulting from the resale of the goods subject to reservation of title to us here and now as a security for our accounts in accordance with Section 6 (1) of these T&Cs for the amount of the gross grand total agreed in our invoice. The Seller accepts the assignment here and now. When selling goods in which the Seller has co-ownership, the assignment shall be restricted to that portion of the account equal to the Seller's co-ownership.

(5) During the period of time the goods are subject to reservation of title, the processing and adaptation or modification of the goods by the Buyer shall always be for the Seller. In this case the Buyer's existing expectant right to the goods shall continue for the modified thing. In so far as the goods are processed with other items not belonging to the Seller, the Seller shall acquire co-ownership of the goods in proportion to the objective value of the sold goods to the other processed items at the point in time of processing. The same shall apply in the event of joining or mixing. Provided that the joining or mixing takes place in such a way so that the Buyer's thing is to be regarded as the main thing, it shall be regarded as agreed that the Buyer shall assign a proportional co-ownership to the Seller and keep the sole ownership or coownership created by such means in safe-keeping for the Seller.

(6) To secure the Seller's accounts against the Buyer, the latter shall also assign to the Seller such accounts accruing to the Buyer against third parties as a result of combining the goods subject to reservation of title with a property; the Seller hereby accepts this assignment here and now.

(7) As long as the Buyer is prepared and is in a position to fulfil his obligations

to the Seller properly, he may dispose of the goods subject to the reservation of title held by the Seller or goods co-owned by the Seller in a proper commercial transaction and collect the accounts assigned to the Seller himself. The Seller shall undertake not to collect the accounts for as long as the Buyer fulfils his payment obligations from the proceeds received, does not fall into default with payment and in particular a application is not filed for the instigation of composition or insolvency proceedings on the Buyer's assets and the Buyer does not stop making his payments. If this is the case, the Seller may demand that the Buyer notifies the Seller of the assigned accounts and who owes them, and hands over all the information and relevant documents required and notifies the debtors of the assignment.

(8) Assignments by bill of sale as a security, pledging, and the assignment of accounts, even by means of factoring shall always be subject to the prior written consent of the Seller. (9) At the Buyer's request, the Seller shall undertake to release the securities to which it is entitled, provided that their value exceeds the value of the accounts to be secured by more than 20 %.

§ 7 Warranty, Statute of limitations, Recourse

(1) The Seller shall furnish a warranty for the agreed properties and condition - minor discrepancies excepted - that the Seller shall as the Buyer chooses, and after the Buyer has set him a reasonable period of time to do so, supply a replacement faultfree product or rectify the defect. If the Seller decides to effect a cure by rectifying the defect the Buyer shall only be entitled to further warranty rights, after two attempts at rectifying the defect have been unsuccessful. The reasonable subsequent period of time set by the Buyer for the defect to be rectified shall not begin before the defect has been proven and it is certain and proven that the Seller is responsible.

(2) If the cure is unsuccessful for once and for all, the Buyer may as a matter of principle as he chooses reduce the purchase price (Reduction) or demand that the contract is rescinded (withdrawal). The Buyer shall not be entitled to withdraw from the contract if the breach of contract is minor, in particular if defects are minor.

(3) The Buyer's warranty rights shall be dependent upon him having fulfilled the duties of investigation and notification of defects properly, incumbent upon him in accordance with Section 377 of the German Commercial Code [HGB].

(4) Warranty claims regarding all the products supplied by the Seller shall become time-barred within one year, unless an agreement has been made otherwise in writing. They shall however lapse prematurely as soon as the Buyer carries out attempts to effect repairs, or makes modifications or fails to follow operating instructions. The period of time covered by warranty shall begin at the point in time specified in Section 199 of the German Civil Code [BGB]. It shall begin no later than the lapse of the maximum periods of time laid down in Section 199 Para 3 and Para 4 of the German Civil Code [BGB].

(5) The regulations in Section 7 (4) of these T&Cs shall not apply in so far as the law in Section 438 Para 1 No 2 of the German Civil Code [BGB] (Buildings and things for buildings), Section 479 Para 1 German Civil Code [BGB] (Right of recourse) and Section 634 a Para 1 German Civil Code [BGB] (Building defects) prescribed longer periods as being compulsory.

(6) It is hereby pointed out to the Buyer that the information concerning properties and condition shown in the product description or order confirmation do not constitute any warranties in a legal sense. Information concerning properties and condition over and above the product description or order confirmation plus warranties shall only apply as stated to the Buyer provided that they have been recorded separately in writing.

(7) The Buyer shall not be entitled to claims under warranty for minor deviations from the agreed properties and condition, if the fitness for use is only impaired by an insignificant amount, for normal wear and tear as well as for damage occurring after the passing of risk as a result of incorrect or negligent handling, excessive loads, unsuitable working materials, faulty fitting, or as a result of specific external factors not assumed by the contract. If improper repair work or modifications are carried out by the Buyer or by third parties, these and the consequences arising from them shall likewise not be covered by claims asserted under warranty.

(8) The Buyer's claims on account of the expenditure necessary for effecting a cure, in particular transport costs, travelling expenses, labour and materials shall not be accepted, in so far as the expenditure increases because the purchased goods have subsequently been relocated to a location other than the Buyer's premises, unless they have been moved for the purpose for which they were purchased.

(9) The Buyer shall only be entitled to rights of recourse against the Seller to the extent that the Buyer and his buyers has not made any agreements over and above the warranty rights laid down by law as being compulsory. The regulations of Section 7 (1) to (8) of these T&Cs shall apply accordingly for the actual scope of a right of recourse and for the period of time within which it must be asserted.

(10) In the event that a defect has been fraudulently concealed, or in the event that a warranty has been furnished for the condition and properties of the goods at the point in time at which risk passes over within the meaning of Section 444 of the German Civil Code [BGB], the Buyer's rights shall be determined by the statutory regulations alone.

§ 8 The Seller's liability

(1) None of the Buyer's compensation claims for damages against the Seller, regardless of whatever legal reason upon which they are based, shall be accepted, unless the Seller or his assistants have acted with intent or gross negligence or have breached important contractual duties through ordinary negligence. Important contractual duties are those obligations protecting the legal positions of the other Party to the contract which are important for the contract, which he has to fulfil to the letter under the contract in terms of content and purpose; moreover, those contractual obligations, the fulfilment of which make it possible for the contract to be carried out properly in the first place and upon whose compliance the other Party to the contract has relied and ought to be able to rely are important.

(2) In cases of gross negligence or ordinary negligence if an important contractual obligation is breached, the compensation for damages shall be limited to damages which are typical and foreseeable.

(3) No liability shall be accepted for damages not incurred by the subject-matter of the contract, except in cases of intent and gross negligence.

(4) Liability for personal injury, the lack of a feature for which a warranty was furnished by the Seller as well as the liability under the German Product Liability Act shall not be affected by the above.

(5) A time-limit of one year shall apply for all compensation claims for damages or for the reimbursement of expenditure wasted if there is contractual and non-contractual liability asserted against the Seller – except in cases of intent or personal injury. The one-year period shall begin at the point in time specified in Section 199 of the German Civil Code [BGB]. It shall come into effect no later than the expiry of the maximum periods of time specified in Section 199 Para 3 and Para 4 of the German Civil Code [BGB]. Other regulations in these terms and conditions governing periods of limitation shall not be affected by the above.

(6) The Seller shall not be liable for damages caused as a result of force majeure, civil riots, war, terrorism or natural catastrophes or as a result of other events for which he is not to blame; these include for example, strike, lock-out, traffic disruptions or official measures both in Germany and in other countries.

§ 9 Use of contractual goods as intended

Bulbs are technical working materials under the German Appliances and Product Safety Act and may only be used as intended. The use of bulbs and accessories for purposes other than those intended as well as unauthorised modifications carried out to the subject-matter of the contract without the express written consent of the Seller shall exempt the Seller from all obligations in the event of damage.

§ 10 Proper disposal

(1) The Buyer shall guarantee that he will undertake to dispose of the supplied products in accordance with the regulations of the German Electrical and Electronic Appliances Act (ElektroG). In the event of a resale the Buyer shall assign this obligation to the other Party of the resale contract.

(2) The Seller is registered with ear under WEEE-No. DE 64392354.

(3) The Seller is affiliated to the INTERSEROH collection system. Collection points are published on its homepage www.interseroh-weee.de. The Seller is affiliated to INTERSEROH recycling system for transport and commercially generated sales packaging under manufacturer number 80363.

§ 11 Choice of law, Place of fulfilment, Place of jurisdiction

(1) The business relationship between the Seller and the Buyer shall be governed by German law alone. The UN law on sales (CISG) shall not apply, even if the Buyer is domiciled in a country other than Germany.

(2) The place of fulfilment for all obligations resulting from the contract or contractual negotiations shall be our principal place of business.

(3) The sole place of jurisdiction for all legal disputes in connection with the business relationship is Augsburg. The Seller is also entitled to take legal action against the Buyer at the Buyer's general place of jurisdiction.

(4) Amendments to these General Terms and Conditions of Business shall be made available to the Buyer at least one month prior to the suggested point in time at which they are to come into force as allowed by law at that time. The Buyer's consent shall be regarded as having been granted if he has not given notification of his rejection prior to the proposed point in time at which the amendments are to come into force. The attention of the Buyer is drawn in particular to the effect of this approval. The Seller shall then base the subsequent business relationship upon the amended version of the General Terms and Conditions of Business.

(5) Should one or more of these terms and conditions of business be or become partially or completely invalid, incomplete or in need of a supplement, this shall not affect the validity of the remaining clauses. The Parties shall undertake in such a case to agree an arrangement coming closest to what was intended economically. The same approach is to be adopted if there is a gap in these terms and conditions of business.

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