



oms
FOLLOW THE RIGHT LIGHT

Zipar

So many possibilities with each luminaire



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LED

2016 / EN

Zipar


UNO / DUO / TRIO / QUATRO-S RECESSED
SURFACED / SUSPENDED

TRIO SURFACED

UNO / DUO / TRIO / QUATRO-S SUSPENDED
TRACK

MOVABLE

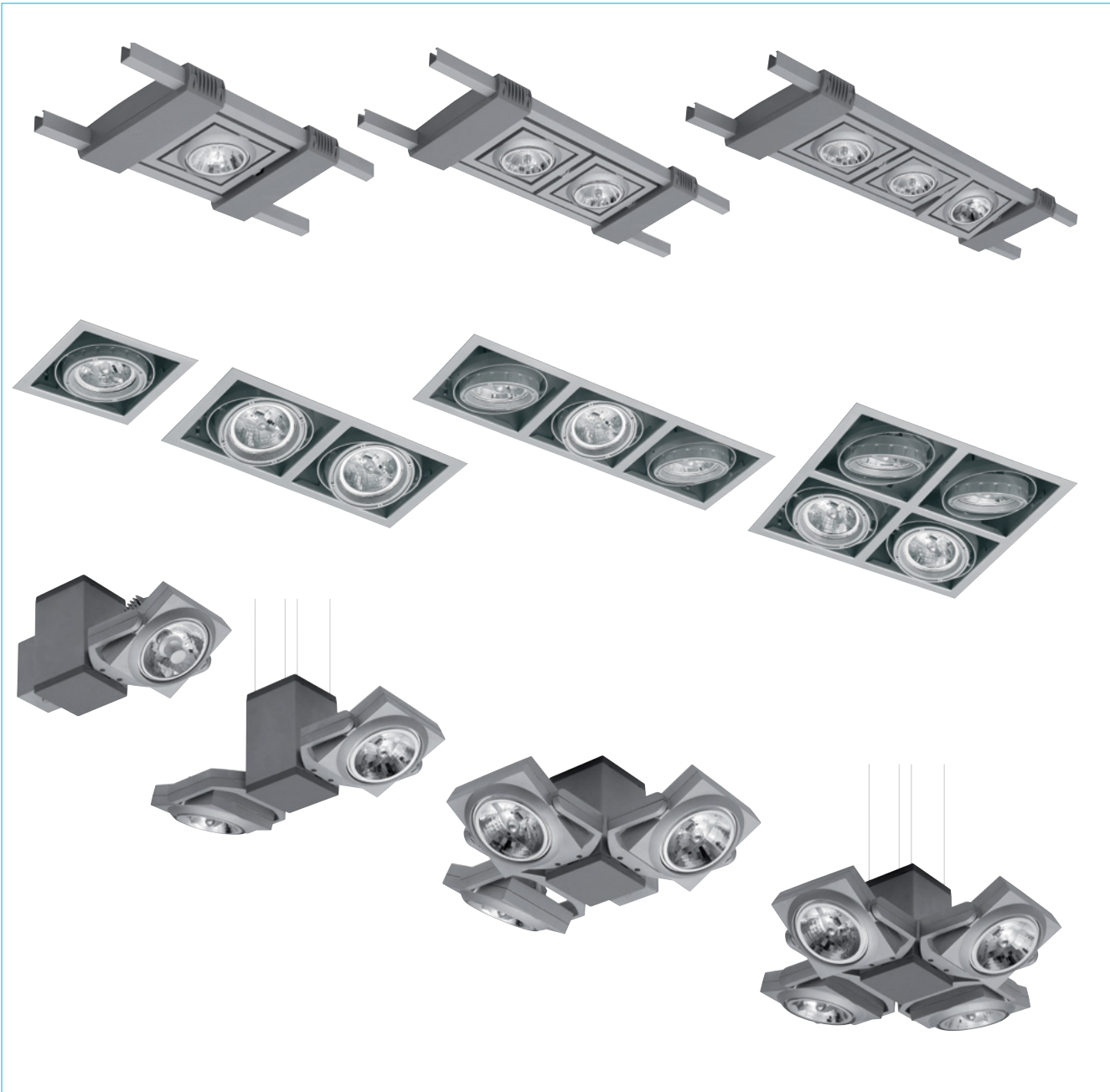
ADJUSTABLE

A wide-angle photograph of a modern clothing store interior. The space is characterized by a clean, minimalist design with light gray walls and a white ceiling. Numerous recessed spotlights are installed in the ceiling, providing focused illumination on the merchandise. In the foreground, a mannequin is dressed in a black coat and black trousers, standing next to a white security gate. To the right, another mannequin is wearing a brown two-piece outfit. Clothing racks with various items, including jackets and sweaters, are visible in the background. A display table in the lower left corner holds several pairs of high-heeled shoes. The overall atmosphere is bright and professional, highlighting the retail environment.

A uniquely versatile family of compact yet powerful spotlights that can meet every accent lighting need for architectural, retail, and hospitality lighting.



Accent lighting has been the domain of highly inefficient halogen and damaging metal-halide for many years.



The past

Halogen and metal-halide are suited to accent lighting thanks to their small dimensions and good colour rendition, but come with disadvantages.

HMGS up to 10 lm/W with a lifetime of 3000 hours
MRS up to 47 lm/W with a lifetime of 12,000 hours

Modern LED accent lighting not only offers impressive efficacies and lifetimes, but also protects displayed items thanks to low IR and UV output.



The future

LED, on the other hand, brings all the same benefits without the disadvantages.

LED
up to 138 lm/W with a lifetime of 50,000 hours

The first ZIPAR was an immediate hit with customers thanks to its small dimensions, efficient and effective light output, excellent lighting parameters, and practicality. We have taken all these features and added even more efficient light sources to create an expansive and comprehensive spotlight family.



Why LED

Few areas of application can benefit from LED as much as retail, as well as architectural and hospitality lighting. So, why switch to LED?

■ **LEDs are more effective.** They consume less energy to produce the same light, making them cost effective to run and eco-friendly. This is further enhanced by the fact that LEDs work for longer. These features makes a big difference in the long run, saving time and money on light source changes in addition to the amount and cost of energy used.

■ **LEDs are cleaner.** All light sources contain some amount of hazardous material. However, the amount contained in LEDs is negligible. The same cannot be said for many other types of light source as they often contain significant quantities of mercury and other substances. These substances are not only dangerous when released into the environment, but also detrimental to our health.

■ **The light can be more easily controlled.** The light emitted from LEDs can be precisely controlled by optical systems designed specifically for LED. This means that light can be more evenly distributed, directed as needed, with reduced glare. Not only does this improve lighting performance and visual comfort, it further adds to the effectiveness of the overall lighting system.

■ **LEDs offer better quality light.** High-quality LEDs offer excellent colour rendition properties, a wide range of colour temperature options, are fully controllable using switching and dimming, and can even emit physiologically beneficial light that benefits our health and wellbeing.

■ **LEDs are infinitely controllable.** LEDs can be dimmed as much as you want with little effect on their lifetime. This is not the case for any other type of light source. What's more, LEDs can be digitally controlled in ways no other light source can, which offers almost inexhaustible possibilities for inclusion into dynamic and energy saving Lighting Management Systems.

■ **The light is less damaging to the items being illuminated.** LEDs emit negligible amounts of harmful IR (heat) and UV radiation. In retail and some other applications, this is crucial because heat makes foods and materials dry and deteriorate, and UV fades fabrics and causes damage to various substances. LED minimises damage, and so reduces losses.

■ **Air conditioning systems can work less.** It is important that indoor spaces not be too hot so that occupants are comfortable and motivated. In large-area applications where many luminaires are switched on for extended periods of time, an immense amount of heat is emitted from conventional light sources. Subsequently, air conditioning costs in such spaces are very high. By using low-IR LED, the energy consumption of AC systems and associated costs can be greatly reduced.

In our fight to protect the environment, reduce energy use, and minimise costs, it is clear that LED is the future of lighting.

With consistently increasing demand for energy and its environmental impact, we want to make choices that are not only financially but also ecologically sound. As downlights form a fundamental part of many lighting systems, it is of vital importance to pay attention to their long-term performance. Making the step to install new LED lighting really can make a difference. Maybe more than you expect.

System efficacy

ZIPAR luminaires offer exceptional efficacies. This is the result of combining the best LEDs with cleverly designed PCBs, selection of the most effective components, and the addition of high-performance optical systems.

- ZIPAR UNO / DUO / TRIO / QUATRO-S RECESSED up to 138 lm/W
- ZIPAR SURFACED / SUSPENDED up to 121 lm/W
- ZIPAR TRIO SURFACED up to 136 lm/W
- ZIPAR UNO / DUO / TRIO / QUATRO-S SUSPENDED up to 138 lm/W
- ZIPAR TRACK up to 121 lm/W
- ZIPAR MOVABLE up to 121 lm/W
- ZIPAR ADJUSTABLE up to 121 lm/W

Service lifetime

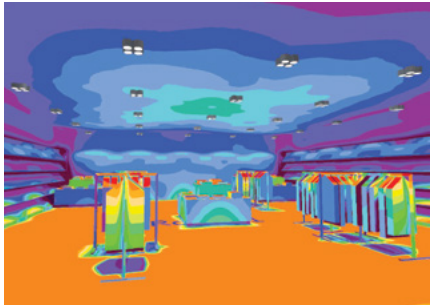
All ZIPAR luminaires have a lifetime of 50,000 hours / L80. Based on 14 hours of operation per day, 7 days per week, this equates to almost 10 years of reliable service without the need to change a single light source. This can be further improved by the use of an energy saving Lighting Management System.



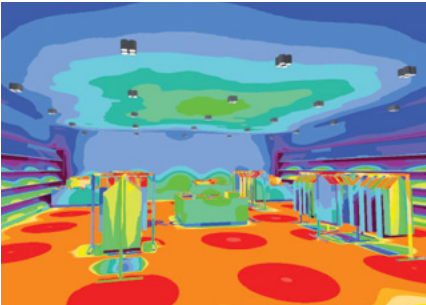
The real difference LED makes

To fully understand the scope of benefits offered by installing ZIPAR, let us make real comparisons between comparative conventional HM and HIT spotlights and ZIPAR with LED.

FUTURO 22
4 x 100 W, 400 W, 4000 lm, 10 lm/W



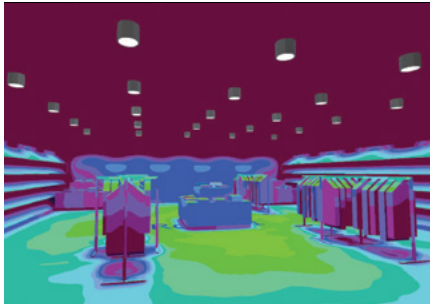
ZIPAR QUATRO-S RECESSED
45 W, 4900 lm, 131 lm/W



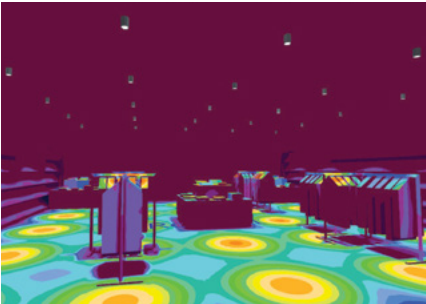
System efficacy
Energy consumption

▲ 1100 %
▼ 89 %

TUBUS 291
2 x 18 W, 35 W, 1550 lm, 52 lm/W



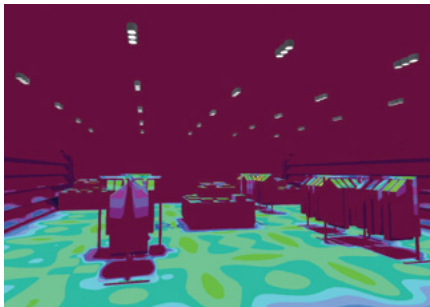
ZIPAR SURFACED
12 W, 1450 lm, 121 lm/W



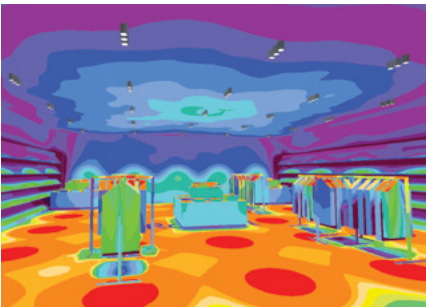
System efficacy
Energy consumption

▲ 133 %
▼ 66 %

VARIO MINI 3
3 x 35 W, 105 W, 4800 lm, 46 lm/W



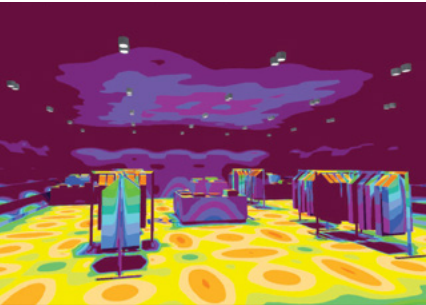
ZIPAR TRIO SURFACED
32 W, 4350 lm, 136 lm/W



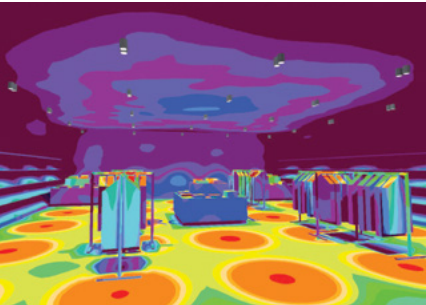
System efficacy
Energy consumption

▲ 196 %
▼ 70 %

VARIO TRACK 12
2 x 100 W, 200 W, 2000 lm, 10 lm/W



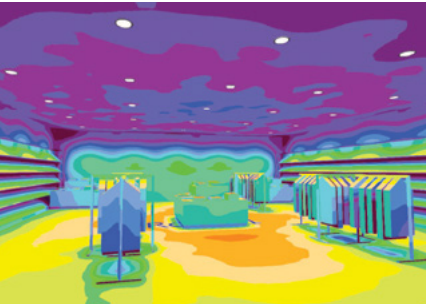
ZIPAR DUO SUSPENDED
23 W, 2750 lm, 120 lm/W



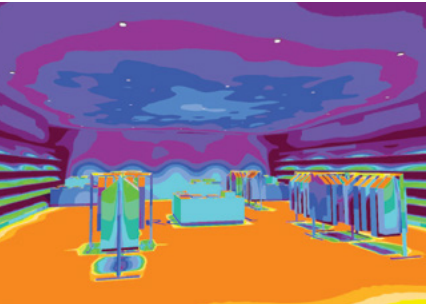
System efficacy
Energy consumption

▲ 1100 %
▼ 89 %

DOWNLIGHT 253
70 W, 77 W, 3350 lm, 44 lm/W



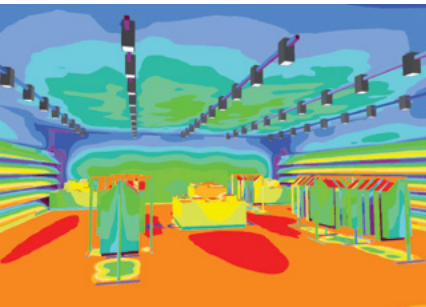
ZIPAR ADJUSTABLE
33 W, 3650 lm, 111 lm/W



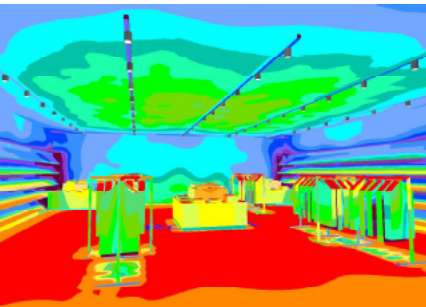
System efficacy
Energy consumption

▲ 152 %
▼ 57 %

TRACK ACCENT X1
70 W, 79 W, 3400 lm, 43 lm/W



ZIPAR TRACK
33 W, 15 W, 3650 lm, 111 lm/W



System efficacy
Energy consumption

▲ 150 %
▼ 58 %

LED

ECO
FRIENDLY

ENERGY
SAVING

LIGHTING
MANAGEMENT
SYSTEM



Few luminaires are required to do so much as spotlights. Excellent colour rendition is a must alongside adjustable narrow beam light distribution. ZIPAR provides all this and more, without compromise on efficiency.

Zipar

THE RIGHT LIGHT WHERE YOU NEED IT

All ZIPAR variants include adjustability of the light direction. Whether you want to focus light on a product display or mannequin, a painting or sculpture, or a restaurant table or bar display, you are assured that you can adapt your lighting to changing needs with ease. What's more, you can select from standard 24° and 40° reflectors, or an optional 8° reflector to make sure the light beam is exactly suitable.

A LOT OF POWER IN A SMALL SPACE

The smallest ZIPARs have a diameter of only 80 mm. Larger variants maintain the same luminaire head dimensions plus frames. But don't let these sizes fool you, because ZIPAR provides lumen outputs ranging from 1100 lm up to an amazing 9000 lm.

UNIFIED MINIMALIST DESIGN

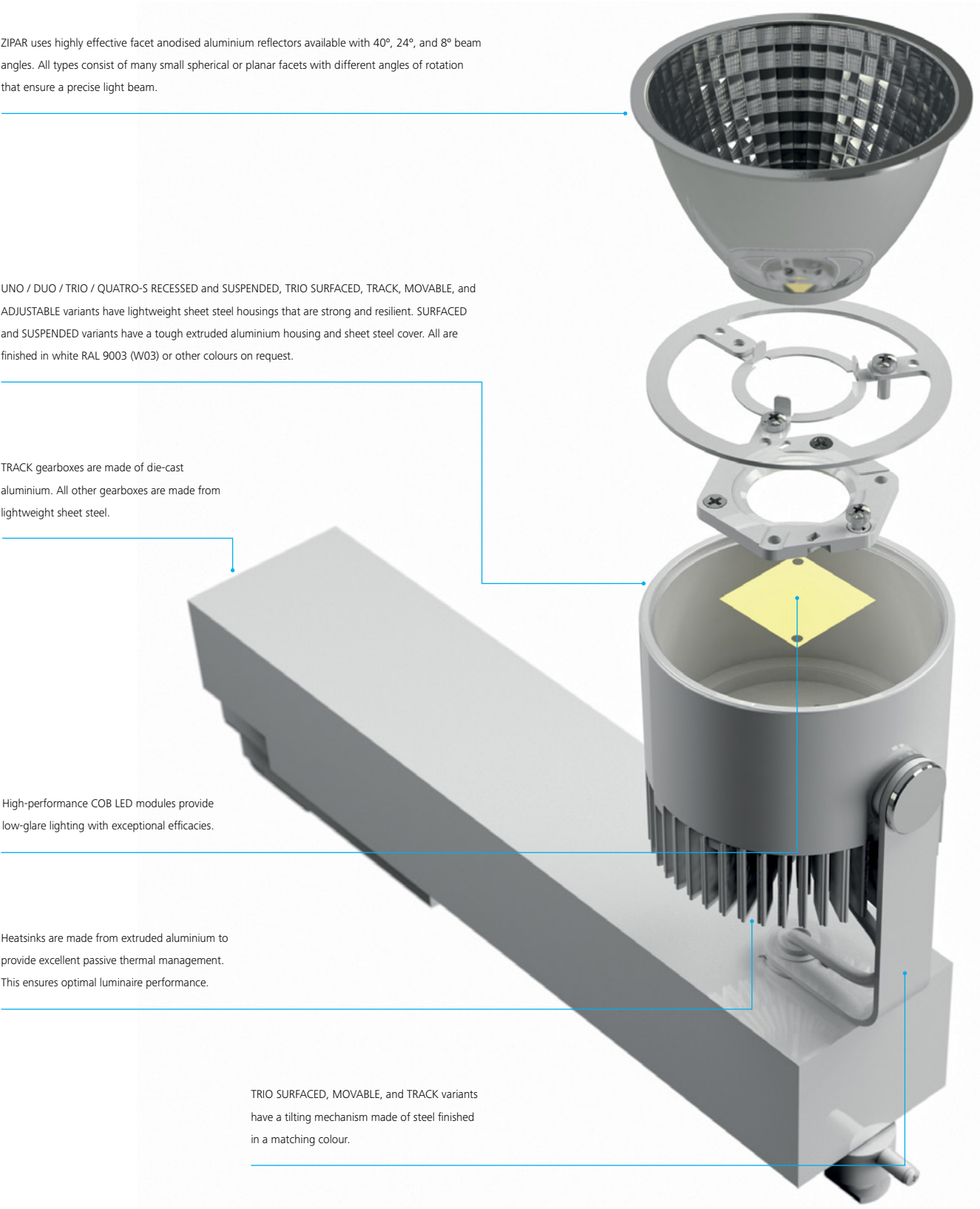
It may well be the case that the best way to meet specific lighting needs is to combine various ZIPAR variants. This is an excellent option from both a practical point of view and an aesthetic one. All variants maintain a unified design, and are available in white or other colours on request. In this way, every ZIPAR installation can be precisely tailored to need without disturbing the design of the space.

Design and materials



ZIPAR TRIO RECESSED

High-quality illumination exactly how and where you need it.


























































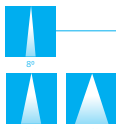














ZIPAR TRACK



Specification matrix

Zipar system efficacy up to 138 lm/W

ZIPAR UNO / DUO / TRIO / QAUTRO-S RECESSED				Application	Light distribution	Reflector	IP	STANDARD		ON REQUEST		
								CRI	CCT	ECG	CRI	CCT
									 	 		  
ZIPAR UNO / DUO / TRIO / QUATRO-S SUSPENDED												
									 	 		  
ZIPAR SUSPENDED	ZIPAR SURFACED	ZIPAR TRIO SURFACED										
				 					 	 		  
ZIPAR MOVABLE	ZIPAR ADJUSTABLE	ZIPAR TRACK										
				  		 			 	 		  

Zipar variants

ZIPAR UNO / DUO / TRIO / QUATRO-S RECESSED



ZIPAR SURFACED



ZIPAR SUSPENDED



ZIPAR TRIO SURFACED



ZIPAR

ZIPAR UNO / DUO / TRIO / QUATRO-S SUSPENDED



ZIPAR TRACK



ZIPAR MOVABLE



ZIPAR ADJUSTABLE



Application

ZIPAR UNO / DUO / TRIO /
QUATRO-S SUSPENDED



UNO / DUO / TRIO / QUATRO-S SUSPENDED

Highly versatile and powerful adjustable suspended lighting that can adapt to changing display needs easily. Perfect for use in shops, restaurants, and cafes.



ZIPAR TRACK



TRACK

Suitable for use with the GLOBAL Trac system, this track mountable spotlight gives almost 360° light direction adjustability for maximum versatility. Ideal for shops and galleries where track systems are often used.



ZIPAR TRIO SURFACED



TRIO SURFACED

Three independently adjustable luminaire heads in an all-in-one luminaire for surfaced installation on ceilings or walls. Perfect for areas where it is not possible to use recessed installation.

MOVABLE

The same functionality as a track luminaire without the track. A single, fully adjustable luminaire head provides precise and adaptable lighting without creating clutter on the ceiling.



ZIPAR MOVABLE



ZIPAR UNO / DUO / TRIO /
QUATRO-S RECESSED



UNO / DUO / TRIO / QUATRO-S RECESSED

Highly versatile and powerful adjustable ceiling recessed lighting that can adapt to changing display needs easily. Perfect for use in shops, restaurants, and cafes.



ADJUSTABLE

Recessed fully adjustable spotlight. Perfect for discreet and flexible illumination of vertical displays, paintings, and other wall-mounted features in shops, galleries, restaurants, and for architectural lighting.

ZIPAR ADJUSTABLE



SURFACED / SUSPENDED

A stylish feature luminaire with adjustable light direction. Perfect for use over payment counters, restaurant and cafe tables, and display tables.

ZIPAR SURFACED



ZIPAR SUSPENDED





Zipar Uno Recessed / Track





ZIPAR UNO / DUO / TRIO / QUATRO-S RECESSED

FACET
LED



Zipar Uno / Duo / Trio / Quatro-S Recessed



220-240V
50-60Hz

LED

CRI
80+
Ra

CCT
3000
K

CCT
4000
K

ECG

ECG
(DALI)

IP
20

- Mounting

Light source

Optical system

Wiring

Materials
- Surface finish

Service lifetime

Ambient temperature
- Ceiling recessed (RCB)

LED

Facet reflector (FRE)

Electronic control gear FIX/DALI (ECG/EDA)

Housing: sheet steel + extruded aluminium

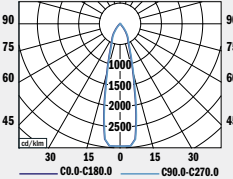
Reflector: facet anodised aluminium

Housing: white RAL 9003 (W03)

50,000 hours/L80

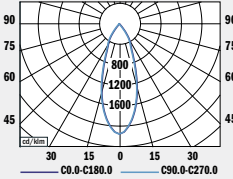
From -20 °C to +35 °C

ZIPAR UNO RECESSED
24° 2450 lm 3000 K

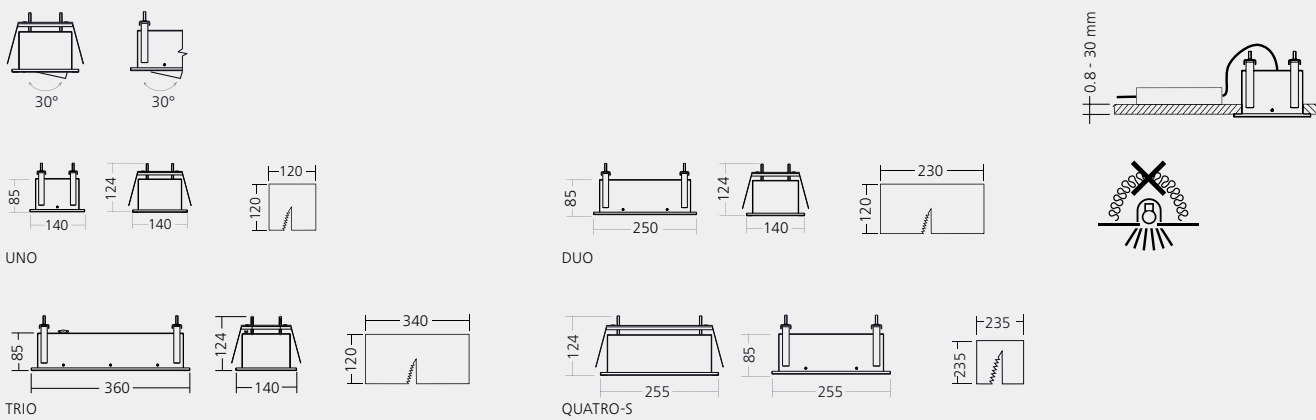
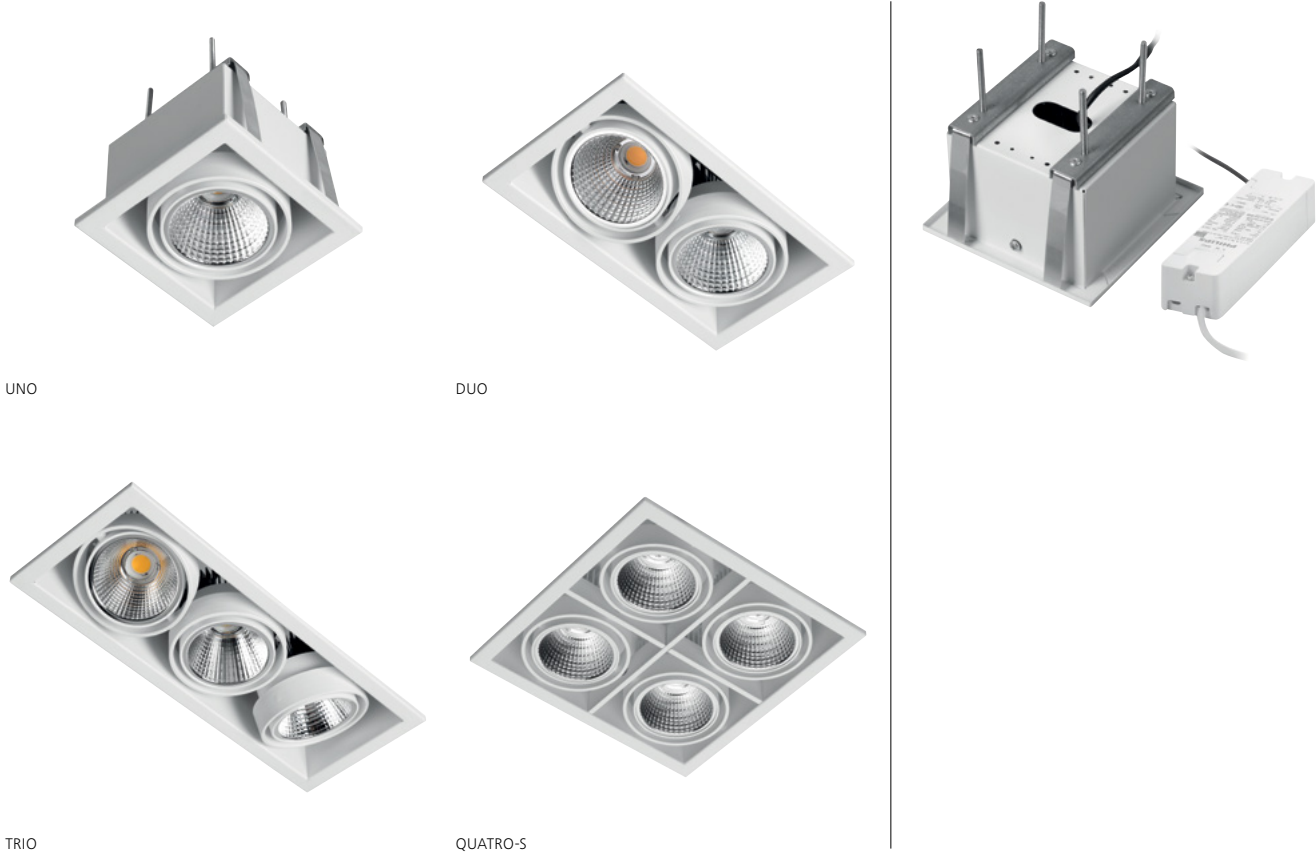


LOR =100 %
lower flux fraction 100 %
upper flux fraction 0 %
UGR <19

ZIPAR UNO RECESSED
40° 1450 lm 4000 K



LOR =100 %
lower flux fraction 100 %
upper flux fraction 0 %
UGR <19



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) [lm]	POWER CONSUMPTION [W]	SYSTEM EFFICACY [lm/W]	COLOUR RENDERING INDEX CRI [Ra]	CORRELATED COLOUR TEMPERATURE CCT [K]	BEAM ANGLE	WEIGHT [kg]
ZIPAR UNO RECESSED	1400	12	117	80+	3000	24° / 40°	1.2
ZIPAR UNO RECESSED	1450	12	121	80+	4000	24° / 40°	1.2
ZIPAR DUO RECESSED	2800	21	133	80+	3000	24° / 40°	2.0
ZIPAR DUO RECESSED	2900	21	138	80+	4000	24° / 40°	2.0
ZIPAR TRIO RECESSED	4200	32	131	80+	3000	24° / 40°	2.6
ZIPAR TRIO RECESSED	4350	32	136	80+	4000	24° / 40°	2.6
ZIPAR QUATRO-S RECESSED	5700	45	127	80+	3000	24° / 40°	3.0
ZIPAR QUATRO-S RECESSED	5900	45	131	80+	4000	24° / 40°	3.0

Luminous flux tolerance +/- 10 %.



Zipar Trio Recessed



ZIPAR SURFACED

FACET
LED



Zipar Surfaced

220-240V
50-60Hz

LED

CRI
80+
Ra

CCT
3000
K

CCT
4000
K

ECG

ECG

IP
20

- Mounting

Light source

Optical system

Wiring

Materials
- Ceiling surfaced (SFD)

LED

Facet reflector (FRE)

Electronic control gear FIX/DALI (ECG/EDA)

Housing: extruded aluminium

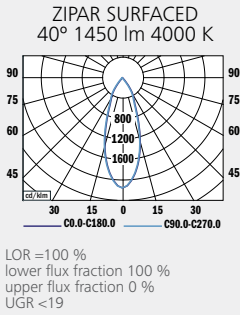
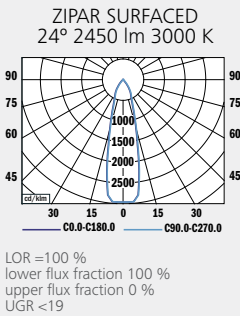
Reflector: facet anodised aluminium

Top cover: sheet steel

Housing: white RAL 9003 (W03)

50,000 hours/L80

From -20 °C to +35 °C



242
210
100
160

30°

30°

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) [lm]	POWER CONSUMPTION [W]	SYSTEM EFFICACY [lm/W]	COLOUR RENDERING INDEX CRI [Ra]	CORRELATED COLOUR TEMPERATURE CCT [K]	BEAM ANGLE	WEIGHT [kg]
ZIPAR SURFACED	1400	12	117	80+	3000	24° / 40°	2.6
ZIPAR SURFACED	1450	12	121	80+	4000	24° / 40°	2.6
ZIPAR SURFACED	2450	21	117	80+	3000	24° / 40°	2.6
ZIPAR SURFACED	2750	23	120	80+	4000	24° / 40°	2.6
ZIPAR SURFACED	3500	33	106	80+	3000	24° / 40°	2.6
ZIPAR SURFACED	3650	33	111	80+	4000	24° / 40°	2.6

Luminous flux tolerance +/- 10 %.



Zipar Trio Recessed / Suspended



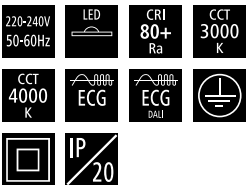


ZIPAR SUSPENDED

FACET
LED



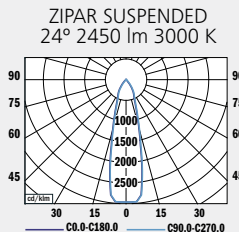
Zipar Suspended



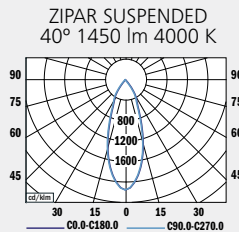
Mounting

Light source
Optical system
Wiring
Materials

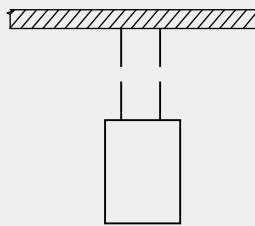
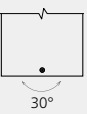
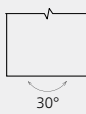
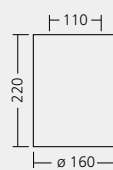
Suspended (SSD)
LED
Facet reflector (FRE)
Electronic control gear FIX/DALI (ECG/EDA)
Housing: extruded aluminium
Reflector: facet anodised aluminium
Top cover: sheet steel
Rope suspension
Housing: white RAL 9003 (W03)
Service lifetime 50,000 hours/L80
Ambient temperature From -20 °C to +35 °C



LOR =100 %
lower flux fraction 100 %
upper flux fraction 0 %
UGR <19



LOR =100 %
lower flux fraction 100 %
upper flux fraction 0 %
UGR <19



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) [lm]	POWER CONSUMPTION [W]	SYSTEM EFFICACY [lm/W]	COLOUR RENDERING INDEX CRI [Ra]	CORRELATED COLOUR TEMPERATURE CCT [K]	BEAM ANGLE	WEIGHT [kg]
ZIPAR SUSPENDED	1400	12	117	80+	3000	24° / 40°	2.5
ZIPAR SUSPENDED	1450	12	121	80+	4000	24° / 40°	2.5
ZIPAR SUSPENDED	2450	21	117	80+	3000	24° / 40°	2.5
ZIPAR SUSPENDED	2750	23	120	80+	4000	24° / 40°	2.5
ZIPAR SUSPENDED	3500	33	106	80+	3000	24° / 40°	2.5
ZIPAR SUSPENDED	3650	33	111	80+	4000	24° / 40°	2.5

Luminous flux tolerance +/- 10 %.



Zipar Duo Recessed

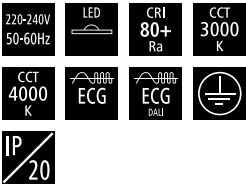


ZIPAR TRIO SURFACED

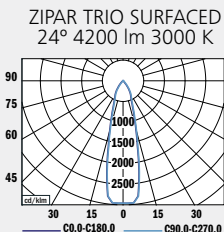
FACET
LED



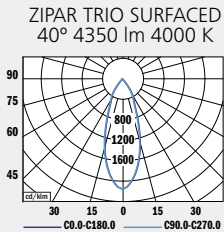
Zipar Trio Surfaced



- Mounting Surfed (SFD)
- Light source LED
- Optical system Facet reflector (FRE)
- Wiring Electronic control gear FIX/DALI (ECG/EDA)
- Materials Housing: sheet steel + extruded aluminium
Reflector: facet anodised aluminium
Tilting mechanism: steel
- Surface finish Housing: white RAL 9003 (W03)
- Service lifetime 50,000 hours/L80
- Ambient temperature From -20 °C to +35 °C



LOR =100 %
lower flux fraction 100 %
upper flux fraction 0 %
UGR <19



LOR =100 %
lower flux fraction 100 %
upper flux fraction 0 %
UGR <19



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) [lm]	POWER CONSUMPTION [W]	SYSTEM EFFICACY [lm/W]	COLOUR RENDERING INDEX CRI [Ra]	CORRELATED COLOUR TEMPERATURE CCT [K]	BEAM ANGLE	WEIGHT [kg]
ZIPAR TRIO SURFACED	4200	32	131	80+	3000	24° / 40°	2.3
ZIPAR TRIO SURFACED	4350	32	136	80+	4000	24° / 40°	2.3

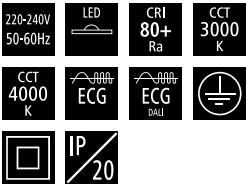
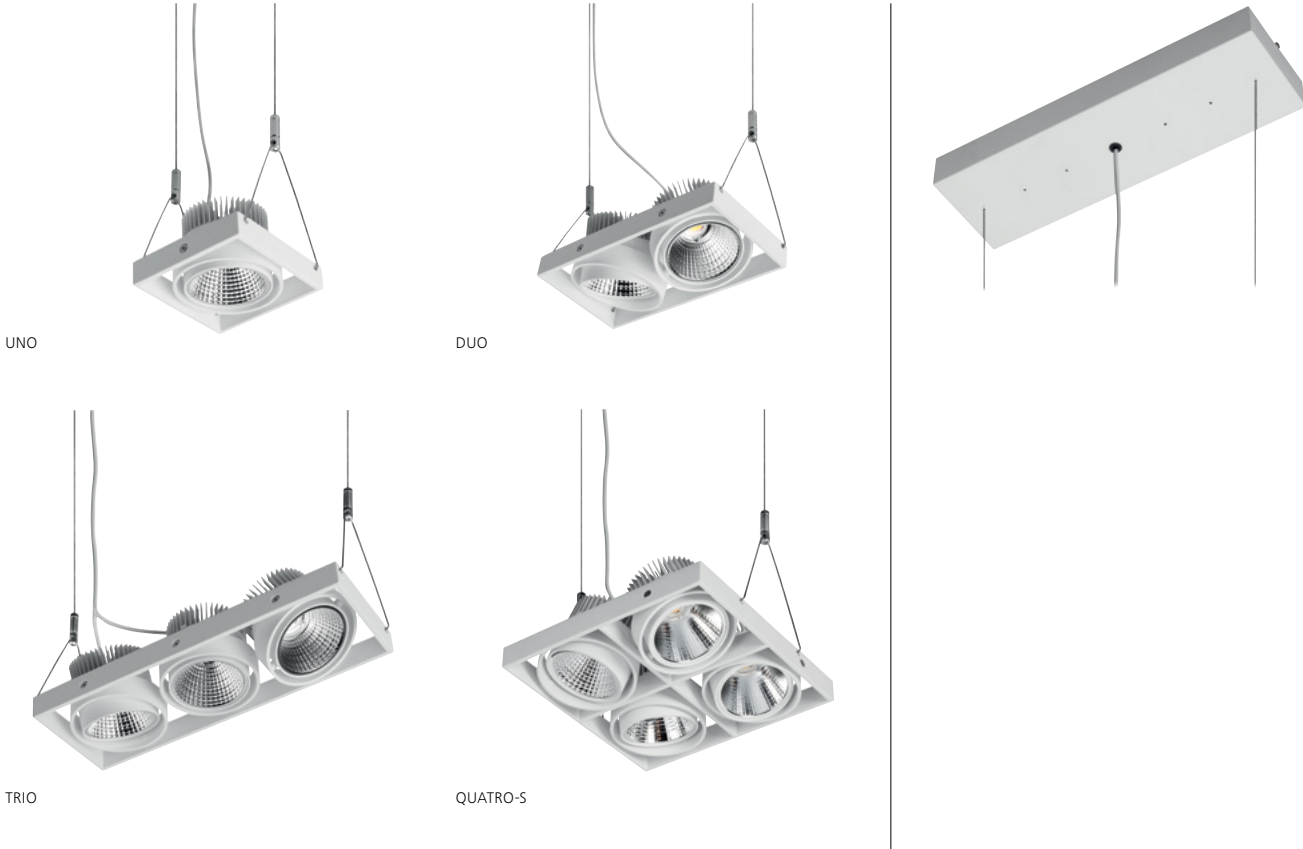
Luminous flux tolerance +/- 10 %.

ZIPAR UNO / DUO / TRIO / QUATRO-S SUSPENDED

FACET
LED

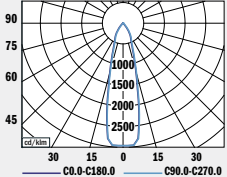


Zipar Uno / Duo / Trio / Quatro-S Suspended



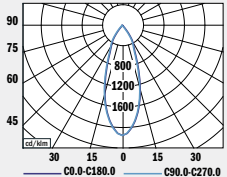
- Mounting: Suspended (SSD)
- Light source: LED
- Optical system: Facet reflector (FRE)
- Wiring: Electronic control gear FIX/DALI (ECG/EDA)
- Materials: Gearbox: sheet steel
Reflector: facet anodised aluminium
Frame: extruded aluminium
Rope suspension
- Surface finish: Housing: white RAL 9003 (W03)
- Service lifetime: 50,000 hours/L80
- Ambient temperature: From -20 °C to +35 °C

ZIPAR UNO SUSPENDED
24° 2450 lm 3000 K

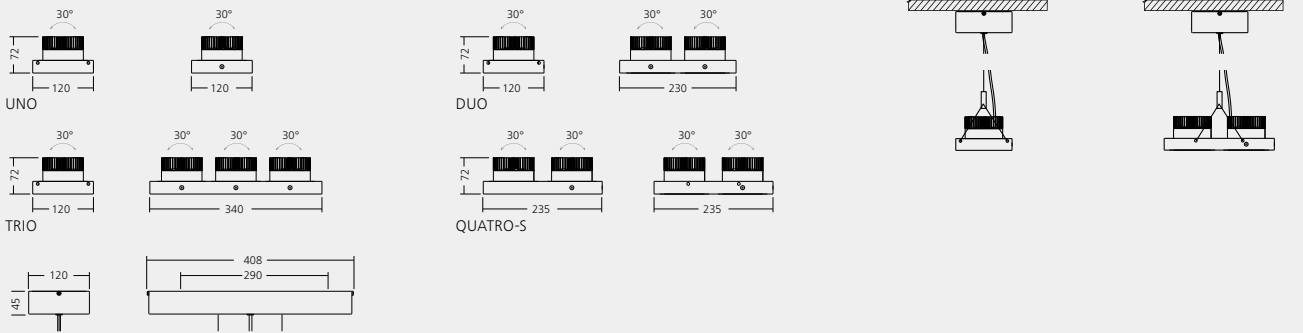


LOR =100 %
lower flux fraction 100 %
upper flux fraction 0 %
UGR <19

ZIPAR UNO SUSPENDED
40° 1450 lm 4000 K



LOR =100 %
lower flux fraction 100 %
upper flux fraction 0 %
UGR <19



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) [lm]	POWER CONSUMPTION [W]	SYSTEM EFFICACY [lm/W]	COLOUR RENDERING INDEX CRI [Ra]	CORRELATED COLOUR TEMPERATURE CCT [K]	BEAM ANGLE	WEIGHT [kg]
ZIPAR UNO SUSPENDED	1400	12	117	80+	3000	24° / 40°	1.5
ZIPAR UNO SUSPENDED	1450	12	121	80+	4000	24° / 40°	1.5
ZIPAR UNO SUSPENDED	2450	21	117	80+	3000	24° / 40°	1.5
ZIPAR UNO SUSPENDED	2750	23	120	80+	4000	24° / 40°	1.5
ZIPAR DUO SUSPENDED	2800	21	133	80+	3000	24° / 40°	2.4
ZIPAR DUO SUSPENDED	2900	21	138	80+	4000	24° / 40°	2.4
ZIPAR DUO SUSPENDED	4900	39	126	80+	3000	24° / 40°	2.4
ZIPAR DUO SUSPENDED	5500	43	128	80+	4000	24° / 40°	2.4
ZIPAR TRIO SUSPENDED	4200	32	131	80+	3000	24° / 40°	2.5
ZIPAR TRIO SUSPENDED	4350	32	136	80+	4000	24° / 40°	2.5
ZIPAR TRIO SUSPENDED	7350	57	129	80+	3000	24° / 40°	2.5
ZIPAR TRIO SUSPENDED	8250	63	131	80+	4000	24° / 40°	2.5
ZIPAR QUATRO-S SUSPENDED	5700	45	127	80+	3000	24° / 40°	3.9
ZIPAR QUATRO-S SUSPENDED	5900	45	131	80+	4000	24° / 40°	3.9
ZIPAR QUATRO-S SUSPENDED	8700	73	119	80+	3000	24° / 40°	3.9
ZIPAR QUATRO-S SUSPENDED	9000	73	123	80+	4000	24° / 40°	3.9

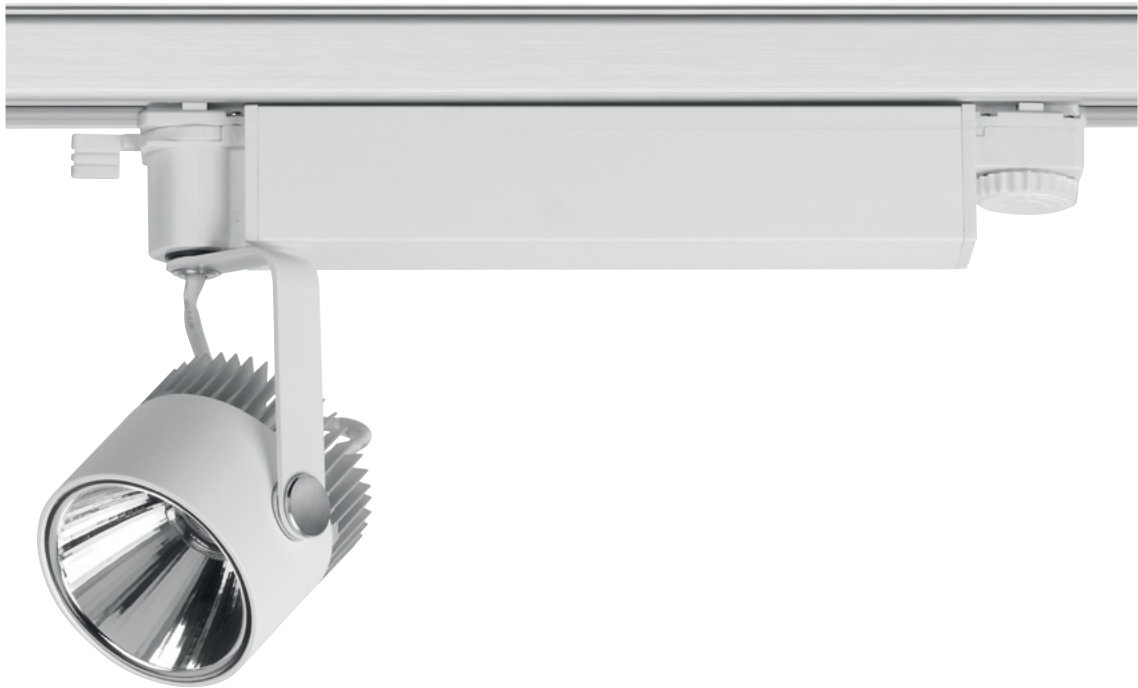
Luminous flux tolerance +/- 10 %.





ZIPAR TRACK

FACET
LED



8° FRE



24° FRE

Zipar Track



220-240V
50-60Hz

LED

CRI
80+
Ra

CCT
3000
K

CCT
4000
K

ECG

ECG

IP
20

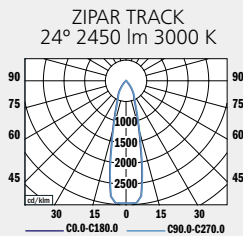
Mounting

Light source
Optical system
Wiring
Materials

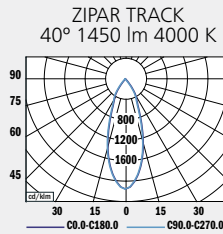
Surface finish
Accessories

Service lifetime
Ambient temperature

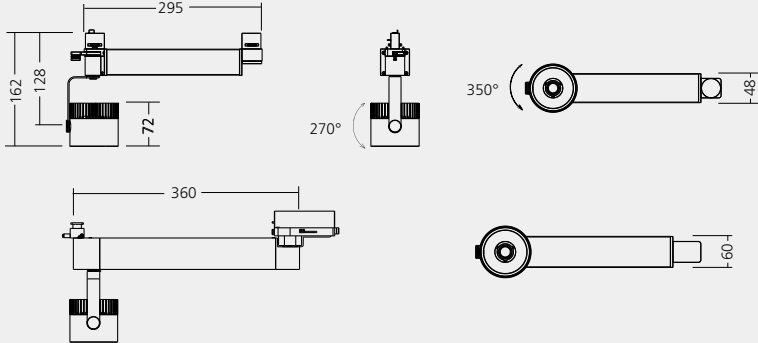
Suspended or ceiling surfaced lighting track system – suitable for GLOBAL Trac (TRS)
LED
Facet reflector (FRE)
Electronic control gear FIX/DALI (ECG/EDA)
Housing: sheet steel + die cast aluminium
Reflector: facet anodised aluminium
Housing: white RAL 9003 (W03)
Various types of connectors and suspension equipment (GLOBAL Trac)
50,000 hours/L80
24° / 40° from -20 °C to +35 °C
8° from -20 °C to +30 °C



LOR =100 %
lower flux fraction 100 %
upper flux fraction 0 %
UGR <19



LOR =100 %
lower flux fraction 100 %
upper flux fraction 0 %
UGR <19



DALI

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) [lm]	POWER CONSUMPTION [W]	SYSTEM EFFICACY [lm/W]	COLOUR RENDERING INDEX CRI [Ra]	CORRELATED COLOUR TEMPERATURE CCT [K]	BEAM ANGLE	WEIGHT [kg]
ZIPAR TRACK	1100	11	95	80+	3000	8°	0.8
ZIPAR TRACK	1150	11	100	80+	4000	8°	0.8
ZIPAR TRACK	1400	12	117	80+	3000	24° / 40°	0.8
ZIPAR TRACK	1450	12	121	80+	4000	24° / 40°	0.8
ZIPAR TRACK	2450	21	117	80+	3000	24° / 40°	0.8
ZIPAR TRACK	2750	23	120	80+	4000	24° / 40°	0.8
ZIPAR TRACK	3500	33	106	80+	3000	24° / 40°	0.8
ZIPAR TRACK	3650	33	111	80+	4000	24° / 40°	0.8

Luminous flux tolerance +/- 10 %.



ZIPAR MOVABLE

FACET
LED



Zipar Movable



220-240V
50-60Hz

LED

CRI
80+
Ra

CCT
3000
K

CCT
4000
K

ECG

ECG

IP
20

- Mounting

Light source

Optical system

Wiring

Materials
- Surface finish

Service lifetime

Ambient temperature
- Ceiling recessed

LED

Facet reflector (FRE)

Electronic control gear FIX/DALI (ECG/EDA)

Housing: sheet steel + extruded aluminium

Reflector: facet anodised aluminium

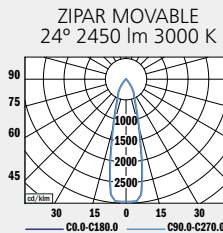
Tilting mechanism: steel

Housing: white RAL 9003 (W03)

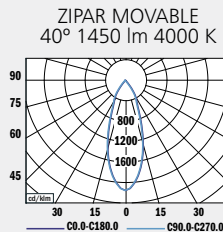
50,000 hours/L80

24° / 40° from -20 °C to +35 °C

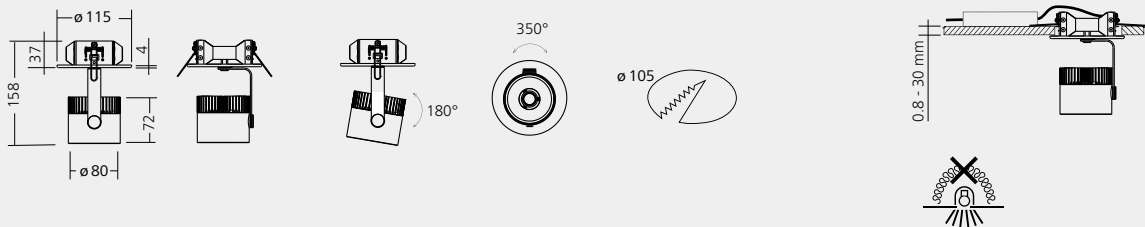
8° from -20 °C to +30 °C



LOR =100 %
lower flux fraction 100 %
upper flux fraction 0 %
UGR <19



LOR =100 %
lower flux fraction 100 %
upper flux fraction 0 %
UGR <19



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) [lm]	POWER CONSUMPTION [W]	SYSTEM EFFICACY [lm/W]	COLOUR RENDERING INDEX CRI [Ra]	CORRELATED COLOUR TEMPERATURE CCT [K]	BEAM ANGLE	WEIGHT [kg]
ZIPAR MOVABLE	1100	11	95	80+	3000	8°	0.8
ZIPAR MOVABLE	1150	11	100	80+	4000	8°	0.8
ZIPAR MOVABLE	1400	12	117	80+	3000	24° / 40°	0.8
ZIPAR MOVABLE	1450	12	121	80+	4000	24° / 40°	0.8
ZIPAR MOVABLE	2450	21	117	80+	3000	24° / 40°	0.8
ZIPAR MOVABLE	2750	23	120	80+	4000	24° / 40°	0.8
ZIPAR MOVABLE	3500	33	106	80+	3000	24° / 40°	0.8
ZIPAR MOVABLE	3650	33	111	80+	4000	24° / 40°	0.8

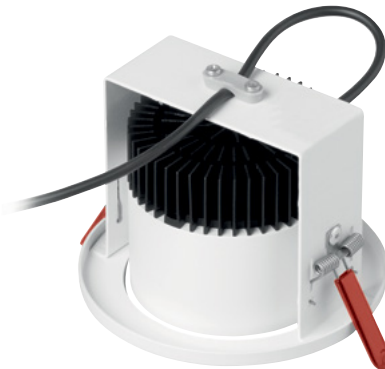
Luminous flux tolerance +/- 10 %.



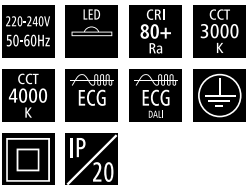


ZIPAR ADJUSTABLE

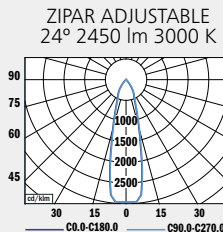
FACET
LED



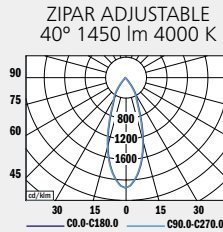
Zipar Adjustable



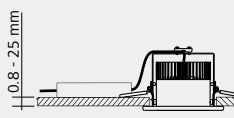
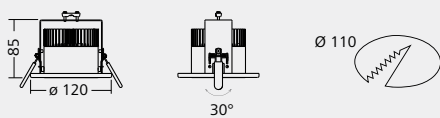
- Mounting** Ceiling recessed
- Light source** LED
- Optical system** Facet reflector (FRE)
- Wiring** Electronic control gear FIX/DALI (ECG/EDA)
- Materials** Housing: sheet steel + extruded aluminium
Reflector: facet anodised aluminium
- Surface finish** Housing: white RAL 9003 (W03)
- Service lifetime** 50,000 hours/L80
- Ambient temperature** 24° / 40° from -20 °C to +35 °C
8° from -20 °C to +30 °C



LOR =100 %
lower flux fraction 100 %
upper flux fraction 0 %
UGR <19



LOR =100 %
lower flux fraction 100 %
upper flux fraction 0 %
UGR <19



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) [lm]	POWER CONSUMPTION [W]	SYSTEM EFFICACY [lm/W]	COLOUR RENDERING INDEX CRI [Ra]	CORRELATED COLOUR TEMPERATURE CCT [K]	BEAM ANGLE	WEIGHT [kg]
ZIPAR ADJUSTABLE	1100	11	95	80+	3000	8°	0.8
ZIPAR ADJUSTABLE	1150	11	100	80+	4000	8°	0.8
ZIPAR ADJUSTABLE	1400	12	117	80+	3000	24° / 40°	0.5
ZIPAR ADJUSTABLE	1450	12	121	80+	4000	24° / 40°	0.5
ZIPAR ADJUSTABLE	2450	21	117	80+	3000	24° / 40°	0.5
ZIPAR ADJUSTABLE	2750	23	120	80+	4000	24° / 40°	0.5
ZIPAR ADJUSTABLE	3500	33	106	80+	3000	24° / 40°	0.5
ZIPAR ADJUSTABLE	3650	33	111	80+	4000	24° / 40°	0.5

Luminous flux tolerance +/- 10 %.

OMS

Quality lighting developed
and produced in Europe.

OMS is the developer and producer of industrial and state-of-the-art luminaires and comprehensive interior and exterior lighting solutions. Since our establishment back in 1995, we have risen to become one of the fastest growing lighting companies in Europe, operating in 122 countries around the globe.

Established 1995

Number of employees 950

Export 98.5 %

Production surface area 93,500 m²

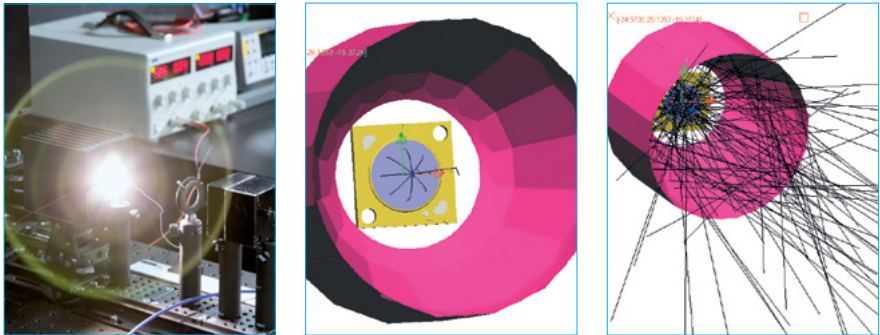


Innovation requires a different approach.

We have one of the best equipped R&D departments in Europe where you will find a team of highly qualified and experienced specialists. This allows us to develop products from concept to manufacture all under one roof.

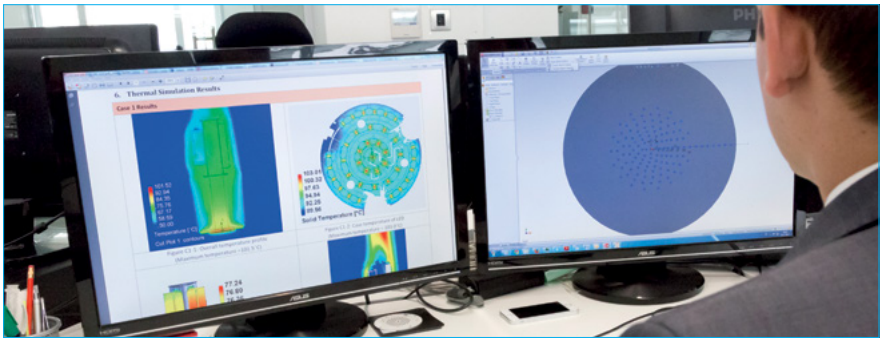
OPTICAL DESIGN

Optimal luminaire performance is only achieved if effective and appropriate optical parts are selected and refined to meet the specific needs of each product. We have access to the latest development technologies as well as having vast practical experience and theoretical knowledge, all of which are applied to every product that passes through our hands.



THERMAL DESIGN

The digitisation and miniturisation of technologies places increased emphasis on the use of optimal thermal management. We have extensive test facilities that allow us to characterise every product to ensure reliable performance. We are also active in research and the development of innovative concepts.



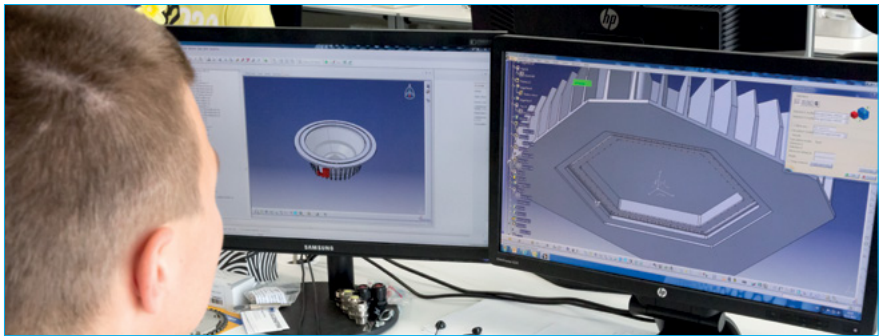
ELECTRONIC DESIGN

The boundaries of electronic design are consistently being broken by new technologies as well as by the innovative use of existing ones, highlighting the need for flawless development processes. We create advanced system level designs with all stages verified in-house, including DALI compatibility and long-term performance. In addition, we put a great deal of energy into the innovation of new products.



MECHANICAL ENGINEERING

We have more than 20 years of experience in the mechanical design of luminaires, their customisation, and the development of other mechanical appliances and precision tools such as optical measurement and electronic testing devices. Using the latest software, analysis methods and equipment, we can develop mechanical designs for anything from the simplest tools to complete mechanical solutions.

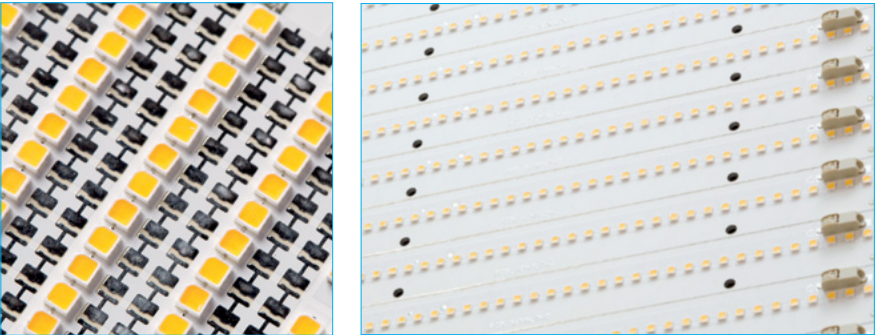


From concept to manufacture, under one roof.

Our superior manufacturing capabilities are the backbone of the company. For this reason, we view continual technological development as paramount and invest our energy in what matters most.

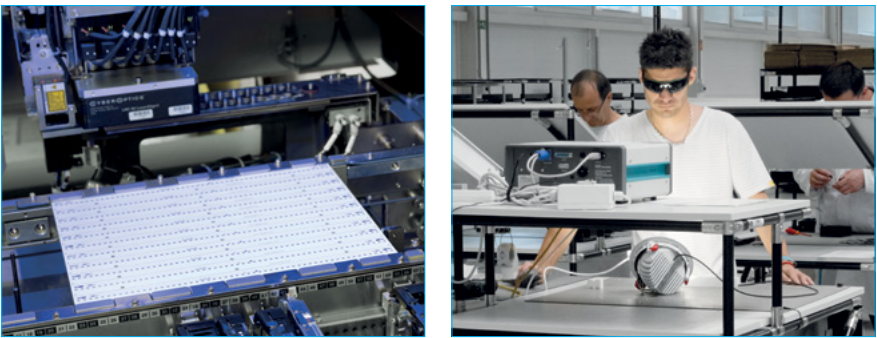
LED PRODUCT DEVELOPMENT

LED light sources offer a great many advantages over conventional ones because they are fundamentally different technologies. This means that the development of LED products requires a fundamentally different approach to their industrial, optical, electronic, thermal, and mechanical design.



LED PRODUCT MANUFACTURE

Our LED modules are designed by our own electrical engineers in close collaboration with the optical and thermal teams. This, in combination with fully automated PCB production, means our products meet the most rigorous design standards. All of our LED luminaires are assembled in a specialised ESP facility and thoroughly tested using precision equipment in line with stringent ISO 9001 technical standards.



METAL & PLASTICS PRODUCTION

We have been manufacturing luminaires for more than 20 years. That history stands as a firm foundation for our current high-tech production facilities and processes. We use a wide range of machines that together offer us unbeatable production scalability and versatility.



SPECIAL REQUEST FACTORY

Our special request factory provides us with unrivalled flexibility. The machines allow us to make very small and precise parts with ease and at speed so that we can respond quickly to customer demand, produce rapid prototypes and customised solutions, and shorten the development time of new products.



The manufacturer reserves all rights to make changes in materials and components used in production of lighting fittings.

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