

lichtwerk

inspired by light

lichtwerk



SRAM, Schweinfurt @ lichtwerk



Flexible

The all-round inclusive package is our standard when it comes to defining our range of services. lichtwerk reacts flexibly to individual customer requirements.

Emotional

Light creates emotions and only when these satisfy the client's requirements does the lighting achieve the enthusiasm, which we set as our goal.

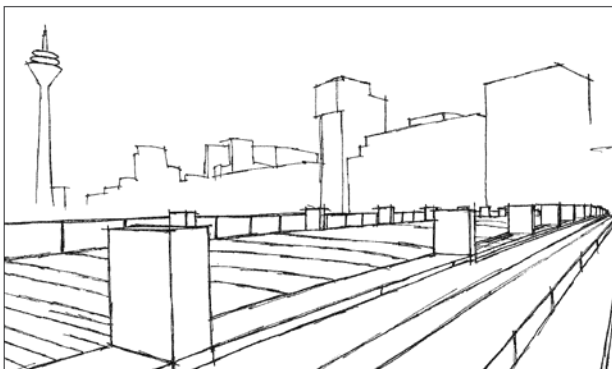
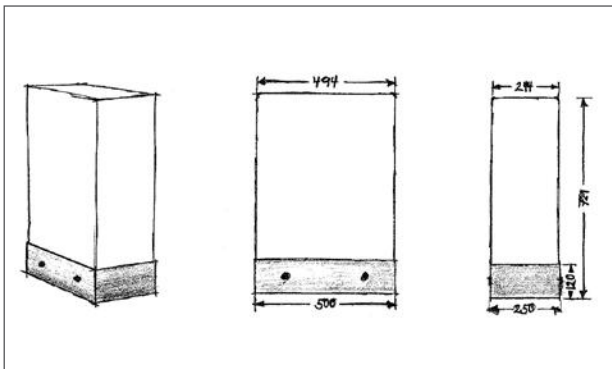
Creative

Due to the heterogeneous customer structure and changing challenges, lichtwerk is accustomed to always thinking new, innovatively and creatively.



Individual luminaires for attractive project solutions

Away from standard luminaires, we develop individual project luminaires, specifically for your lighting needs. In addition to our standard colours, a wide range of RAL colours is available for our high-quality matt textured paint. No wishes remain unfulfilled in the colour selection for your luminaires.



Medienhafen, Düsseldorf @ Tom Reindel, Düsseldorf

From the idea to the product

Inspired by light - Light is the passion, which inspires us over and over again. This enthusiasm makes us creative, lets us go outside the box and exploit the freedom given to its limits.

The flexibility in thinking, which characterizes our corporate philosophy, gives us the pragmatism for which we are appreciated. The key to solving these challenging tasks are flexibility and pragmatism.

Sophisticated projects often can't be realized with standard catalogue products, therefore custom-made solutions are needed.

To meet the requirements of these projects, creativity, high technical competence and an uncompromising customer orientation in consulting, planning and production is necessary - Therefore we have a company orientation, which makes it necessary to examine our own thinking and acting over and over again.

Artisan of light

We are such an artisan of light, able to act with flexibility, sense of lighting by intuition and conceptual thinking of projects, that clearly stand out from the mass market.



Sustainability - lighting for the future



With our efficient technologies, we set a clear signal on the subject of sustainability.

While sustainability used to mean primarily environmental protection, sustainable action today also takes economic and social aspects into account. Modern lighting technology makes a valuable contribution to this:

- efficient light sources,
- optimized luminaires and
- electronic control.

Our luminaire components conserve natural resources and are largely recyclable. At the same time, modern lighting technology makes visual tasks easier and promotes people's sense of well-being, for example with Human Centric Lighting concepts (HCL). A lighting control system ensures that light only switches on in sufficient quantity when it is required.

We are there for you

CONTACT Lighting planning



It all starts with the consultation during the project planning phase. Requirements are defined, framework conditions are established, and a selection is made.

Only when everything is perfectly coordinated the planned effect will be achieved. lichtwerk deals with the subject of lighting in a very emotional way and cultivates a similar relationship with its customers.

Together with you, we develop your individual project solution, so that the lighting achieves the enthusiasm that we set ourselves as our goal.

From planning to implementation, we focus on close cooperation with the client and the executing companies on site.





Table structure

The tabular structure enables an overview of the essential features.

Type	LED Specification	Item-number	the last digit of the article number indicates the housing colour					Luminaire net weight (without packaging)
Designation of the luminaire	Luminous flux lumen (lm) Colour rendering index RA Colour temperature Kelvin (K)	543 3044 10...	→	→	→	→	→	→
Type	LED Specification	P _{sys} (W)	Driver	Item-number	Colour	Colour	Colour	kg
Sample luminaire	LED 2400lm 840 LB	20	ET	543 3044 10...	■ ...5	□ ...1	■ ...4	3
	LED 4500lm 840 LB	41	DALI	543 3144 10...	■ ...5	□ ...1	■ ...4	3

P_{sys} | Lighting system performance

Driver

- ET | Electronic Driver, non dimmable
- DALI | Electronic Driver, DALI, dimmable
- DALI DT8 | Electronic Driver, DALI, dimmable, Change of light colour
- Tast dim | dimmable via push button
- NL-B | Emergency light single battery

Colour code/colour

- | aluminium natural anodized
- | traffic white (similar RAL 9016)
- | withe-aluminium (similar RAL 9006)
- | deep black (similar RAL 9017)
- | silver grey
- | stainless steel
- | grit grey
- cr | chrome
- si | silver matt
- sig | silver gloss
- tc | translucent
- cl | clear

NEW

Please refer to the current data and prices for LED luminaires at www.lichtwerk.de



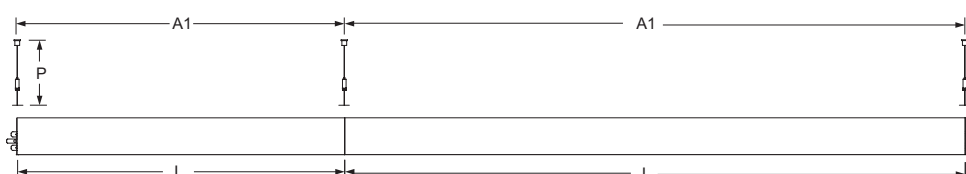
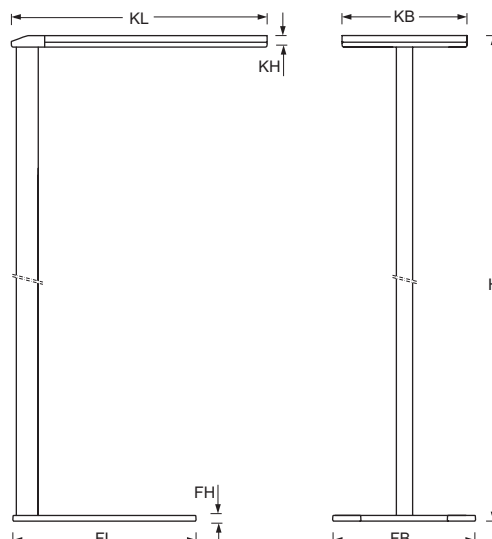
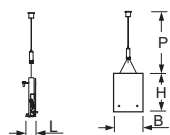
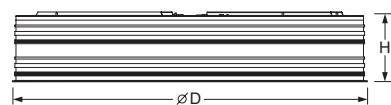
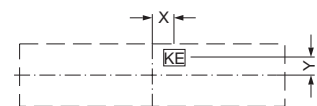
Because of the dynamics in the technical development especially in the field of LED modules and their drivers, the information in this paper can only be a snapshot of the current state and are therefore legally not binding. Please refer to our web site for current product specifications. The QR code on our product pages leads you directly to the respective product family.

EXCLUSION OF LIABILITY

Illustrations, dimensions and weights in our catalogues, price lists and quotations are non-binding. Subject to technical changes, errors and color deviations. All luminaires have been designed for 230V 50Hz mains connection and ambient conditions according to DIN EN 60598 unless otherwise stated, and are supplied without lamps unless otherwise stated.

Most of the indications with regard to certifications are presented in our catalogue in a general form. Verification with regard to products can be easily carried out on our website. We point out that the orderer recognises our delivery and payment conditions unless he/she objects in writing when sending his/her order.

Registration number: DE 40859830



Definition of measurement table variants

L | Length

□L | Length/Width for square luminaires

L2 | Additional length

B | Width

H | Height

ØD | Diameter

FL | Length of luminaire base

FB | Width of luminaire base

FD | Diameter of luminaire base

T | Depth

KE | Electrical feed in

KL | Length of luminaire head or ballast box

KB | Width of luminaire head or ballast box

KH | Height of luminaire head or ballast box

KD | Diameter of luminaire head or ballast box

A1 | Fixing distance in case of single mounting

A2 | Fixing distance between the luminaires in case of light run mounting

X | Distance from centre of the luminaire to the electrical feed in (x direction = length)

Y | Distance from centre of the luminaire to the electrical feed in (y direction = width)

SL | Length of cut out for recessed luminaires

SB | Width of cut out for recessed luminaires

SD | Diameter of cut out for recessed luminaires

e | Minimum necessary depth for luminaire mounting

ML | Modul (axis) Length

MB | Modul (axis) Width

P | Wire suspension

P min/max | Min./Max. length wire suspension

DS min/max | Min./Max. ceiling thickness in case of cut out ceilings



for ceilings with visible T-rails



for cut-out ceilings

Recessed luminaires

Surface mounted luminaires

Pendant luminaires

Phase-track and luminaires

Lighting systems

Downlights

Wall luminaires
Standing luminaires

Light furniture

Glass luminaires

Licht control

Information





SURFACE MOUNTED LUMINAIRES

Musikakademie, Hammelburg @ lichtwerk



Surface mounted luminaires

ciros R-AG/-AIG 70



ciros R-APM/-AIMP 74



clip-it-OB 78



clip-on-OTB 88



clip-on-OG 90



clip-on-CTB 92



fino-AK 106



rason-RSAIMP 110



rason-RSAIG 114



micro-AFA 130



Surface mounted luminaires
from other chapters



Glass luminaires

clip-it-OTB 80



clip-it-OG 82



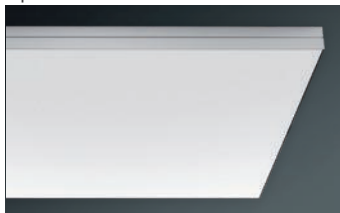
clip-on-OB 86



epic R-AF 96



epic Q-AF 100



fino-AMP 102



galant-pro-GPAK 118



galant-pro-GPAKPC 122



drop 126



scala-AG 136



scala-AMP 140



linar image II-AG 144



corona-A 462



puck-A 468



dyski-A 474







Housing

Round aluminium profile in diameters of 400, 600, 900 and 1200mm.

Housing colours

Textured paint

□ traffic white

■ white-aluminium

■ deep black



ciros R1200-AIG
ciros R1200-AG

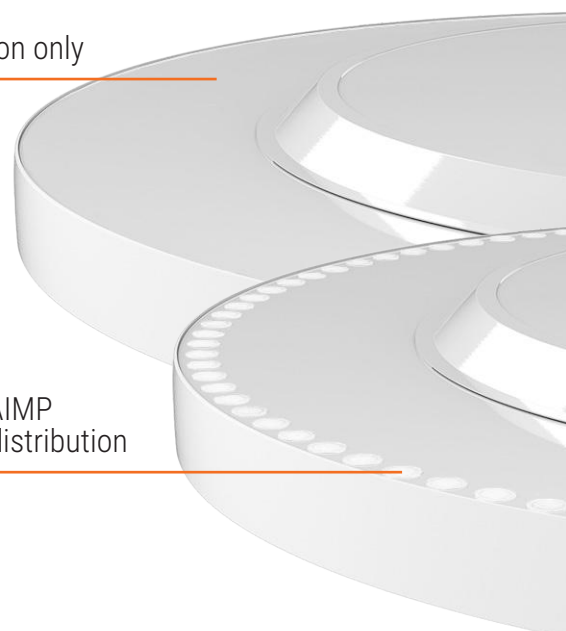
Lighting technology Surface mounted luminaires

ciros R-AG/-AMP
with direct distribution only

multilayer
microprismatic



ciros R-AIG/-AIMP
with indirect distribution



white-opal satinised



The surface mounted luminaires ciros R-AIG und ciros R-AG are also suitable for wall mounting.



ciros R900-AIG
ciros R900-AG

ciros R600-AIG
ciros R600-AG

ciros R400-AIG
ciros R400-AG

Lighting technology
Wall luminaires

white-opal satinised







ciros R-AG/ciros R-AIG



Housing

Round aluminium profile, texture painted white aluminium (similar to RAL 9006), traffic white (similar to RAL 9016) or deep black (similar to RAL 9005).
Other RAL-colours according to RAL-colour palette P. 496.
Suitable for ceiling and wall mounting.



Lighting technology -AG

Direct distribution.
Homogenous illumination by satinised special acrylic pane with high transmission.
Rated life time = L80 B10 50.000h.
Light colour: 4000K. Optional: 3000K. Tunable white on request.



Lighting technology -AIG

Direct/indirect distribution.
Homogenous illumination by satinised special acrylic pane with high transmission.
Indirect ratio for a smooth ceiling illumination.
Rated life time = L80 B10 50.000h.
Light colour: 4000K. Optional: 3000K. Tunable white on request.

Miscellaneous

Electrical connection via three-pole or for dimmable luminaires five-pole feed-in and connection terminal with plug-in technology, with integrated protective earth connection and unlocking button, suitable for rigid and flexible cables up to 2,5mm².
Easy mounting due to bayonet lock and plug & play connection.



■ white aluminium

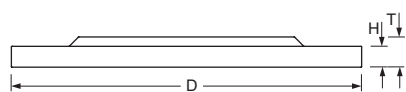


□ traffic white



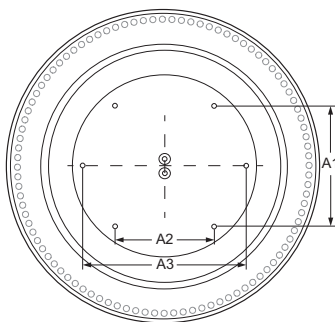
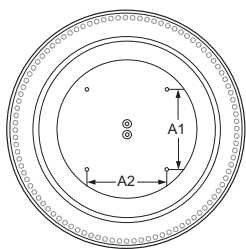
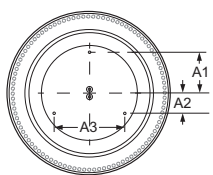
■ deep black

Type	D	H	T	A1	A2	A3
ciros R400	365	69	102	80	40	139
ciros R600	600	69	102	150	75	260
ciros R900	880	69	102	311	311	
ciros R1200	1160	69	102	546	315	630



Attachment ciros R1200

Attachment ciros R900

Attachment
ciros R400 + ciros R600

□ ciros R400



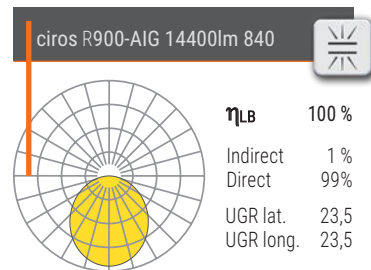
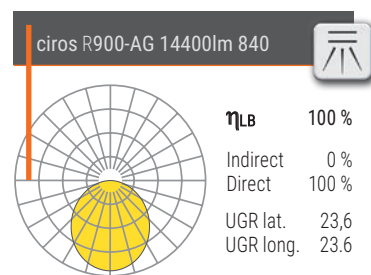
□ ciros R600



□ ciros R900



□ ciros R1200



ciros R-AG suitable for ceiling and wall mounting

Please refer to the current data and prices for LED luminaires at www.lichtwerk.de

Type	LED Specification	P _{sys} (W)	Driver	Item-Number	Colour	Colour	Colour		
ciros R400-AG	LED 2700lm 840	23	ED	468 4144 18...	...6	...0	...4	on request	3,3
ciros R400-AG	LED 2700lm 840	23	DALI	468 4146 68...	...6	...0	...4	on request	3,3
ciros R600-AG	LED 6300lm 840	46	ED	468 6144 18...	...6	...0	...4	on request	7,5
ciros R600-AG	LED 6300lm 840	46	DALI	468 6146 68...	...6	...0	...4	on request	7,5
ciros R900-AG	LED 14400lm 840	91	ED	468 9144 18...	...6	...0	...4	on request	14
ciros R900-AG	LED 14400lm 840	91	DALI	468 9146 68...	...6	...0	...4	on request	14
ciros R1200-AG	LED 26200lm 840	168	ED	468 1144 18...	...6	...0	...4	on request	25,6
ciros R1200-AG	LED 26200lm 840	168	DALI	468 1146 68...	...6	...0	...4	on request	25,6



ciros R-AIG suitable for ceiling and wall mounting

Please refer to the current data and prices for LED luminaires at www.lichtwerk.de

Type	LED Specification	P _{sys} (W)	Driver	Item-Number	Colour	Colour	Colour		
ciros R400-AIG	LED 2800lm 840	23	ED	467 4144 18...	...6	...0	...4	on request	3,3
ciros R400-AIG	LED 2800lm 840	23	DALI	467 4146 68...	...6	...0	...4	on request	3,3
ciros R600-AIG	LED 6400lm 840	46	ED	467 6144 18...	...6	...0	...4	on request	7,5
ciros R600-AIG	LED 6400lm 840	46	DALI	467 6146 68...	...6	...0	...4	on request	7,5
ciros R900-AIG	LED 14400lm 840	91	ED	467 9144 18...	...6	...0	...4	on request	14
ciros R900-AIG	LED 14400lm 840	91	DALI	467 9146 68...	...6	...0	...4	on request	14
ciros R1200-AIG	LED 26300lm 840	168	ED	467 1144 18...	...6	...0	...4	on request	25,6
ciros R1200-AIG	LED 26300lm 840	168	DALI	467 1146 68...	...6	...0	...4	on request	25,6







ciros R-AMP/ciros R-AIMP



Housing

Round aluminium profile, texture painted white aluminium (similar to RAL 9006), traffic white (similar to RAL 9016) or deep black (similar to RAL 9005). Other RAL-colours according to RAL-colour palette P. 496.



Lighting technology -AMP

Direct distribution.

Light distribution via microprismatic panel with conical glare elimination in multilayer technology. For VDU workstations $65^\circ < 3000 \text{cd/m}^2$, $\text{UGR} \leq 19$ according to DIN EN 12464-1. Rated life time = L80 B10 50.000h.

Light colour: 4000K. Optional: 3000K. Tunable white on request.



Lighting technology -AIMP

Direct/indirect distribution.

Light distribution via microprismatic panel with conical glare elimination in multilayer technology. For VDU workstations $65^\circ < 3000 \text{cd/m}^2$, $\text{UGR} \leq 19$ according to DIN EN 12464-1. Indirect ratio for a smooth ceiling illumination.

Rated life time = L80 B10 50.000h.

Light colour: 4000K. Optional: 3000K. Tunable white on request.

Miscellaneous

Electrical connection via three-pole or for dimmable luminaires five-pole feed-in and connection terminal with plug-in technology, with integrated protective earth connection and unlocking button, suitable for rigid and flexible cables up to $2,5 \text{mm}^2$. Easy mounting due to bayonet lock and plug & play connection.



■ white aluminium

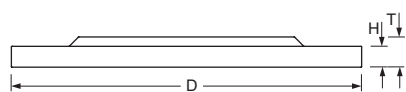


□ traffic white



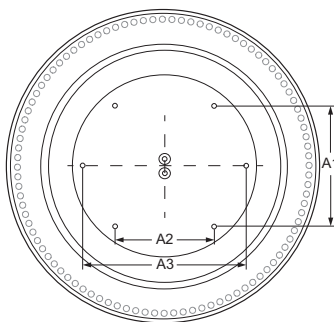
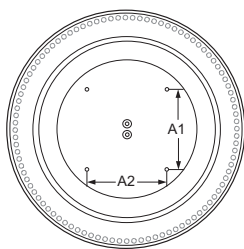
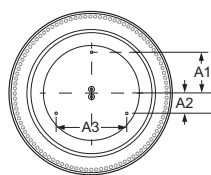
■ deep black

Type	D	H	T	A1	A2	A3
ciros R400	365	69	102	80	40	139
ciros R600	600	69	102	150	75	260
ciros R900	880	69	102	311	311	
ciros R1200	1160	69	102	546	315	630



Attachment ciros R1200

Attachment ciros R900

Attachment
ciros R400 + ciros R600

□ ciros R400



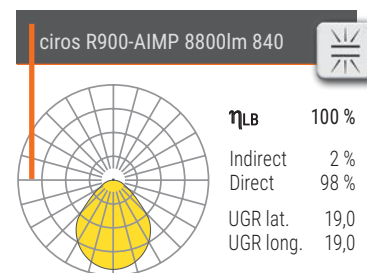
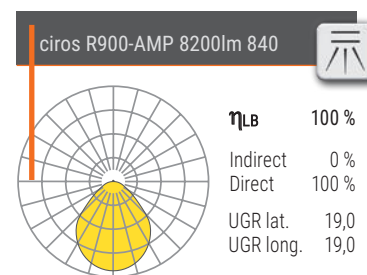
□ ciros R600



□ ciros R900



□ ciros R1200



ciros R-AMP

Please refer to the current data and prices for LED luminaires at www.lichtwerk.de

Type	LED Specification	P _{sys} (W)	Driver	Item-Number	Colour	Colour	Colour		kg
ciros R400-AMP	LED 1300lm 840	9	ED	468 4044 15...	wa ...6	□ ...0	■ ...4	on request	3,3
ciros R400-AMP	LED 1300lm 840	9	DALI	468 4046 65...	wa ...6	□ ...0	■ ...4	on request	3,3
ciros R600-AMP	LED 3700lm 840	25	ED	468 6044 15...	wa ...6	□ ...0	■ ...4	on request	7,5
ciros R600-AMP	LED 3700lm 840	25	DALI	468 6046 65...	wa ...6	□ ...0	■ ...4	on request	7,5
ciros R900-AMP	LED 8200lm 840	54	ED	468 9044 15...	wa ...6	□ ...0	■ ...4	on request	14
ciros R900-AMP	LED 8200lm 840	54	DALI	468 9046 65...	wa ...6	□ ...0	■ ...4	on request	14
ciros R1200-AMP	LED 14800lm 840	99	ED	468 1044 15...	wa ...6	□ ...0	■ ...4	on request	25,6
ciros R1200-AMP	LED 14800lm 840	99	DALI	468 1046 65...	wa ...6	□ ...0	■ ...4	on request	25,6



ciros R-AIMP

Please refer to the current data and prices for LED luminaires at www.lichtwerk.de

Type	LED Specification	P _{sys} (W)	Driver	Item-Number	Colour	Colour	Colour		kg
ciros R400-AIMP	LED 1300lm 840	9	ED	467 4044 15...	wa ...6	□ ...0	■ ...4	on request	3,3
ciros R400-AIMP	LED 1300lm 840	9	DALI	467 4046 65...	wa ...6	□ ...0	■ ...4	on request	3,3
ciros R600-AIMP	LED 3800lm 840	25	ED	467 6044 15...	wa ...6	□ ...0	■ ...4	on request	7,5
ciros R600-AIMP	LED 3800lm 840	25	DALI	467 6046 65...	wa ...6	□ ...0	■ ...4	on request	7,5
ciros R900-AIMP	LED 8800lm 840	57	ED	467 9044 15...	wa ...6	□ ...0	■ ...4	on request	14
ciros R900-AIMP	LED 8800lm 840	57	DALI	467 9046 65...	wa ...6	□ ...0	■ ...4	on request	14
ciros R1200-AIMP	LED 15200lm 840	99	ED	467 1044 15...	wa ...6	□ ...0	■ ...4	on request	25,6
ciros R1200-AIMP	LED 15200lm 840	99	DALI	467 1046 65...	wa ...6	□ ...0	■ ...4	on request	25,6







clip-it-OB



Housing



Housing made of sheet steel traffic white (similar to RAL 9016), powder coated.
Other housing colours on request.
The luminaire is attached solely by clips for 24mm T-rail, included in delivery.
Variable mounting spacing.

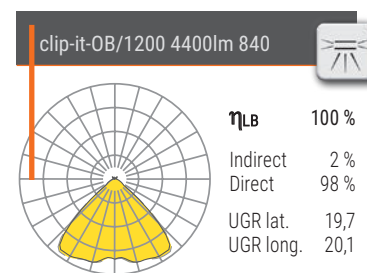
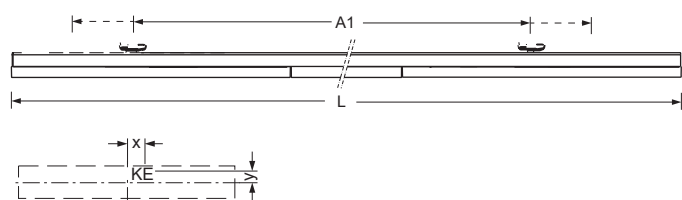
Lighting technology -OB

Direct wide light distribution.
Translucent lens optics made of acrylic with additional lateral transmission.
Rated life time = L80 B10 50.000h.
Light colour: 4000K. Optional: 3000K. Other light colours on request.

Miscellaneous

Electrical connection via pre-mounted 5-pole connection cable, 2m.




Type	Ceiling	L	B	H	A1	X	Y
clip-it-OB/1200		1220	55	30	756-1179	0	0
clip-it-OB/1500		1525	55	30	1062-1485	0	0



 any arrangement on ceilings with visible T-rail 24mm

Please refer to the current data and prices for LED luminaires at www.lichtwerk.de



Type	LED Specification	P _{sys} (W)	Driver	Item-Number	Colour	
clip-it-OB/1200	LED 4400lm 840	27	DALI	769 1446 600		2,2
clip-it-OB/1500	LED 5500lm 840	33	DALI	769 1546 600		2,8



clip-it-OTB



Housing



Housing made of sheet steel traffic white (similar to RAL 9016), powder coated.
Other housing colours on request.
The luminaire is attached solely by clips for 24mm T-rail, included in delivery.
Variable mounting spacing.

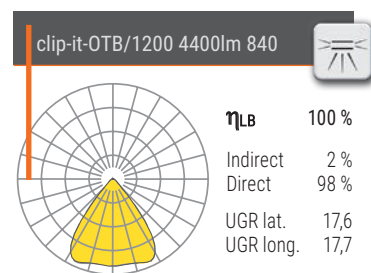
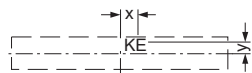
Lighting technology -OTB

Direct narrow-wide light distribution.
Translucent lens optics made of acrylic with additional lateral transmission.
For VDU workstations $65^\circ < 3000 \text{ cd/m}^2$, $\text{UGR} \leq 19$ according to DIN EN 12464-1.
Rated life time = L80 B10 50.000h.
Light colour: 4000K. Optional: 3000K. Other light colours on request.

Miscellaneous

Electrical connection via pre-mounted 5-pole connection cable, 2m.

Type	Ceiling	L	B	H	A1	X	Y
clip-it-OTB/1200		1220	55	30	756-1179	0	0
clip-it-OTB/1500		1525	55	30	1062-1485	0	0



 any arrangement on ceilings with visible T-rail 24mm

Please refer to the current data and prices for LED luminaires at www.lichtwerk.de



Type	LED Specification	P _{sys} (W)	Driver	Item-Number	Colour	
clip-it-OTB/1200	LED 4400lm 840	27	DALI	769 3446 600	<input type="checkbox"/>	2,2
clip-it-OTB/1500	LED 5500lm 840	33	DALI	769 3546 600	<input type="checkbox"/>	2,8



clip-it-OG



Housing



Housing made of sheet steel traffic white (similar to RAL 9016), powder coated.
Other housing colours on request.
The luminaire is attached solely by clips for 24mm T-rail, included in delivery.
Variable mounting spacing.

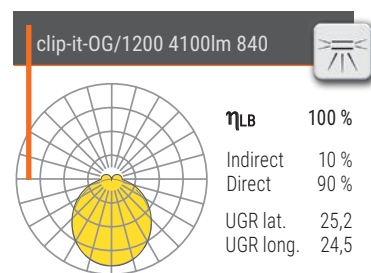
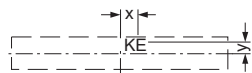
Lighting technology -OG

Direct diffuse light distribution.
Frosted lens optics made of acrylic with additional lateral distribution.
Rated life time = L80 B10 50.000h.
Light colour: 4000K. Optional: 3000K. Other light colours on request.

Miscellaneous

Electrical connection via pre-mounted 5-pole connection cable, 2m.




Type	Ceiling	L	B	H	A1	X	Y
clip-it-OG/1200		1220	55	30	756-1179	0	0
clip-it-OG/1500		1525	55	30	1062-1485	0	0



 any arrangement on ceilings with visible T-rail 24mm

Please refer to the current data and prices for LED luminaires at www.lichtwerk.de



Type	LED Specification	P _{sys} (W)	Driver	Item-Number	Colour	
clip-it-OG/1200	LED 4100lm 840	27	DALI	769 7446 600		2,2
clip-it-OG/1500	LED 5200lm 840	33	DALI	769 7546 600		2,8







clip-on-OB



Housing

Sheet steel, powder-coated traffic white (similar to RAL 9016) or painted white aluminium (similar to 9006). Other housing colours on request.
Arrangeable as optically continuous light-lines through easy removable end-caps.

Lighting technology -OB

Direct wide light distribution.
Translucent lens optics made of acrylic with additional lateral transmission.
Rated life time = L80 B10 50.000h.
Light colour: 4000K. Optional: 3000K. Other light colours on request.

Miscellaneous

Electrical connection via three-pole or for dimmable luminaires, five-pole feed-in and connection terminal with plug-in technology, with integrated protective earth connection and unlocking button, suitable for rigid and flexible cables up to 2,5mm².

Accessories

For surface mounting as continuous light-line one through-wiring clip-on-DV per joint is needed.
For pendant mounting as single luminaire one mounting kit clip-on-SAES is required.
For pendant mounting as continuous light-line one mounting kit clip-on-SAES is needed. Additionally for each joint one suspension with mechanical connection clip-on-SAVS and one through-wiring clip-on-DV is necessary. Free height adjustment between 150 and 2000mm. Accessories have to be ordered separately.

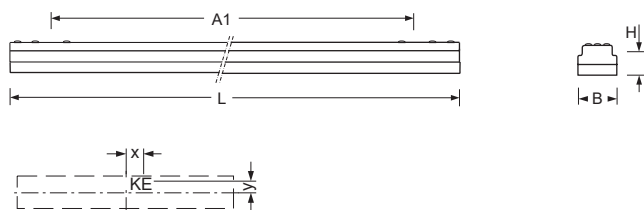


□ traffic white

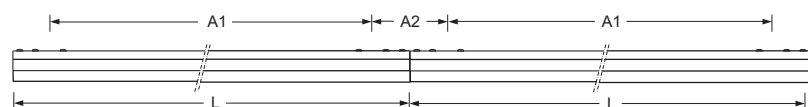


WB □ white aluminium

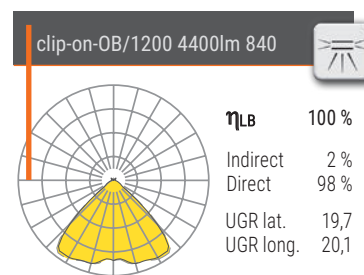
Type	L	B	H	A1	A2	X	Y
clip-on-OB/1200	1222	55	44	1120	101	0	0
clip-on-OB/1500	1527	55	44	1425	101	0	0
clip-on-OB/1800	1832	55	44	1730	101	0	0



Light line mounting



clip-on + clip-on-SAES



Please refer to the current data and prices for LED luminaires at www.lichtwerk.de

Type	LED Specification	P _{sys} (W)	Driver	Item-Number	Colour	Colour	kg
clip-on-OB/1200	LED 4400lm 840	27	ED	771 1444 10...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	2,0
	LED 4400lm 840	27	DALI	771 1446 60...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	2,0
clip-on-OB/1500	LED 5500lm 840	33	ED	771 1544 10...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	2,6
	LED 5500lm 840	33	DALI	771 1546 60...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	2,6
clip-on-OB/1800	LED 6600lm 840	40	ED	771 1644 10...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	3,2
	LED 6600lm 840	40	DALI	771 1646 60...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	3,2

Accessories	Type	Details	Item-Number	Colour	kg
Through wiring	clip-on-DV	Through wiring set 5 x 1.5 for light-line assembly	771 9000 100	<input checked="" type="checkbox"/> ...0	0,2
Suspension set	clip-on-SAES 3x0,75	Suspension set 2000/120 3x0,75 ED	771 0037 105	<input checked="" type="checkbox"/> ...0	0,3
	clip-on-SAES 5x0,75	Suspension set 2000/120 5x0,75 DALI	771 0057 105	<input checked="" type="checkbox"/> ...0	0,3
Mechanical connection	clip-on-SAVS	Wire suspension with mechanical connection 2000/120	771 0000 105	<input checked="" type="checkbox"/> ...0	0,1



clip-on-OTB



Housing

Sheet steel, powder-coated traffic white (similar to RAL 9016) or painted white aluminium (similar to 9006). Other housing colours on request.
Arrangeable as optically continuous light-lines through easy removable end-caps.

Lighting technology -OTB

Direct narrow-wide light distribution.
Translucent lens optics made of acrylic with additional lateral transmission.
For VDU workstations $65^\circ < 3000 \text{ cd/m}^2$, $\text{UGR} \leq 19$ according to DIN EN 12464-1.
Rated life time = L80 B10 50.000h.
Light colour: 4000K. Optional: 3000K. Other light colours on request.

Miscellaneous

Electrical connection via three-pole or for dimmable luminaires, five-pole feed-in and connection terminal with plug-in technology, with integrated protective earth connection and unlocking button, suitable for rigid and flexible cables up to $2,5 \text{ mm}^2$.

Accessories

For surface mounting as continuous light-line one through-wiring clip-on-DV per joint is needed.
For pendant mounting as single luminaire one mounting kit clip-on-SAES is required.
For pendant mounting as continuous light-line one mounting kit clip-on-SAES is needed. Additionally for each joint one suspension with mechanical connection clip-on-SAVS and one through-wiring clip-on-DV is necessary. Free height adjustment between 150 and 2000mm. Accessories have to be ordered separately.

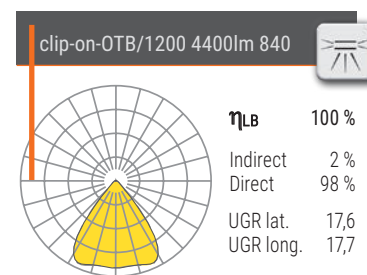
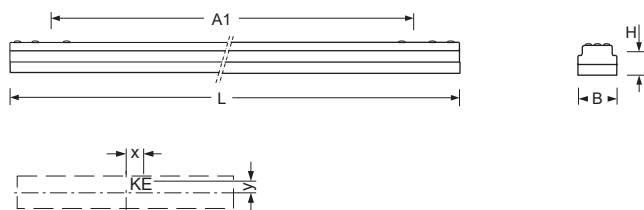


□ traffic white

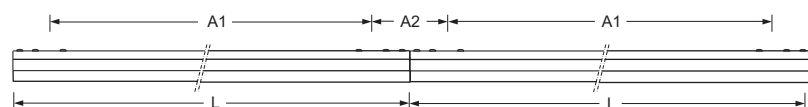


WB white aluminium

Type	L	B	H	A1	A2	X	Y
clip-on-OTB/1200	1222	55	44	1120	101	0	0
clip-on-OTB/1500	1527	55	44	1425	101	0	0
clip-on-OTB/1800	1832	55	44	1730	101	0	0



Light line mounting



clip-on + clip-on-SAES



Please refer to the current data and prices for LED luminaires at www.lichtwerk.de

Type	LED Specification	P _{Sys} (W)	Driver	Item-Number	Colour	Colour	kg
clip-on-OTB/1200	LED 4400lm 840	27	ED	771 3444 10...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	2,0
	LED 4400lm 840	27	DALI	771 3446 60...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	2,0
clip-on-OTB/1500	LED 5500lm 840	33	ED	771 3544 10...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	2,6
	LED 5500lm 840	33	DALI	771 3546 60...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	2,6
clip-on-OTB/1800	LED 6600lm 840	40	ED	771 3644 10...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	3,2
	LED 6600lm 840	40	DALI	771 3646 60...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	3,2

Accessories	Type	Details	Item-Number	Colour	kg
Through wiring	clip-on-DV	Through wiring set 5 x 1.5 for light-line assembly	771 9000 100	<input checked="" type="checkbox"/>	0,2
Suspension set	clip-on-SAES 3x0,75	Suspension set 2000/120 3x0,75 ED	771 0037 105	<input checked="" type="checkbox"/>	0,3
	clip-on-SAES 5x0,75	Suspension set 2000/120 5x0,75 DALI	771 0057 105	<input checked="" type="checkbox"/>	0,3
Mechanical connection	clip-on-SAVS	Wire suspension with mechanical connection 2000/120	771 0000 105	<input checked="" type="checkbox"/>	0,1



clip-on-OG



Housing

Sheet steel, powder-coated traffic white (similar to RAL 9016) or painted white aluminium (similar to 9006). Other housing colours on request.
Arrangeable as optically continuous light-lines through easy removable end-caps.

Lighting technology -OG

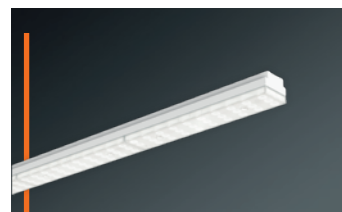
Direct diffuse light distribution.
Frosted lens optics made of acrylic with additional lateral distribution.
Rated life time = L80 B10 50.000h.
Light colour: 4000K. Optional: 3000K. Other light colours on request.

Miscellaneous

Electrical connection via three-pole or for dimmable luminaires, five-pole feed-in and connection terminal with plug-in technology, with integrated protective earth connection and unlocking button, suitable for rigid and flexible cables up to 2,5mm².

Accessories

For surface mounting as continuous light-line one through-wiring clip-on-DV per joint is needed.
For pendant mounting as single luminaire one mounting kit clip-on-SAES is required.
For pendant mounting as continuous light-line one mounting kit clip-on-SAES is needed. Additionally for each joint one suspension with mechanical connection clip-on-SAVS and one through-wiring clip-on-DV is necessary. Free height adjustment between 150 and 2000mm. Accessories have to be ordered separately.

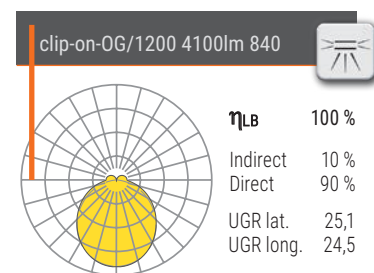
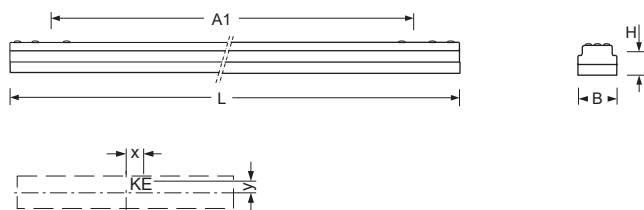


□ traffic white

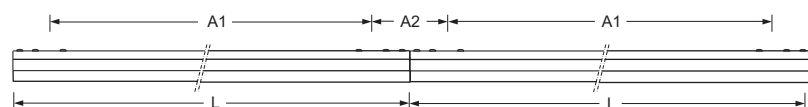


WB □ white aluminium

Type	L	B	H	A1	A2	X	Y
clip-on-OG/1200	1222	55	44	1120	101	0	0
clip-on-OG/1500	1527	55	44	1425	101	0	0
clip-on-OG/1800	1832	55	44	1730	101	0	0



Light line mounting



clip-on + clip-on-SAES



Please refer to the current data and prices for LED luminaires at www.lichtwerk.de

Type	LED Specification	P _{sys} (W)	Driver	Item-Number	Colour	Colour	kg
clip-on-OG/1200	LED 4100lm 840	27	ED	771 7444 10...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	2,0
	LED 4100lm 840	27	DALI	771 7446 60...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	2,0
clip-on-OG/1500	LED 5200lm 840	33	ED	771 7544 10...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	2,6
	LED 5200lm 840	33	DALI	771 7546 60...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	2,6
clip-on-OG/1800	LED 6200lm 840	40	ED	771 7644 10...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	3,2
	LED 6200lm 840	40	DALI	771 7646 60...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	3,2

Accessories	Type	Details	Item-Number	Colour	kg
Through wiring	clip-on-DV	Through wiring set 5 x 1.5 for light-line assembly	771 9000 100	<input checked="" type="checkbox"/>	0,2
Suspension set	clip-on-SAES 3x0,75	Suspension set 2000/120 3x0,75 ED	771 0037 105	<input checked="" type="checkbox"/>	0,3
	clip-on-SAES 5x0,75	Suspension set 2000/120 5x0,75 DALI	771 0057 105	<input checked="" type="checkbox"/>	0,3
Mechanical connection	clip-on-SAVS	Wire suspension with mechanical connection 2000/120	771 0000 105	<input checked="" type="checkbox"/>	0,1



clip-on-CTB



Housing

Sheet steel, painted traffic white (similar to RAL 9016), white aluminium (similar to RAL 9006) or deep black (similar to RAL 9005). Other housing colours on request. Arrangeable as optically continuous light-lines through easy removable end-caps.

Lighting technology -CTB

Direct narrow-wide light distribution.

Translucent Central-Primary optics made of acrylic with additional lateral transmission. UGR < 19 according to DIN EN 12464-1.

Rated life time = L80 B10 50.000h.

Light colour: 4000K. Optional: 3000K. Other light colours on request.

Miscellaneous

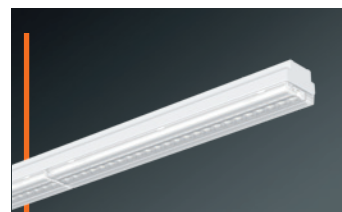
Electrical connection via three-pole or for dimmable luminaires, five-pole feed-in and connection terminal with plug-in technology, with integrated protective earth connection and unlocking button, suitable for rigid and flexible cables up to 2,5mm².

Accessories

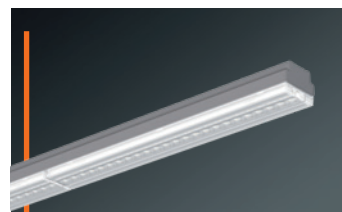
For surface mounting as continuous light-line one through-wiring clip-on-DV per joint is needed.

For pendant mounting as single luminaire one mounting kit clip-on-SAES is required.

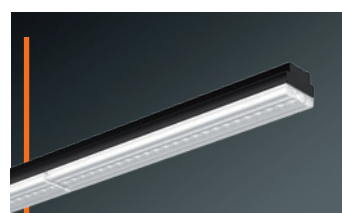
For pendant mounting as continuous light-line one mounting kit clip-on-SAES is needed. Additionally for each joint one suspension with mechanical connection clip-on-SAVS and one through-wiring clip-on-DV is necessary. Free height adjustment between 150 and 2000mm. Accessories have to be ordered separately.



□ traffic white

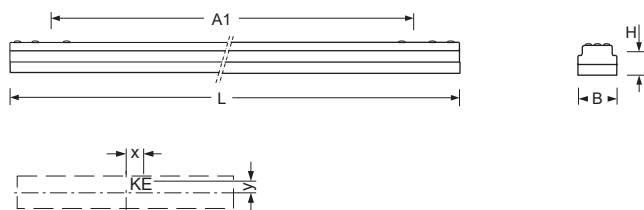


■ white aluminium

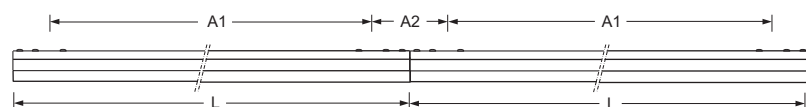


■ deep black

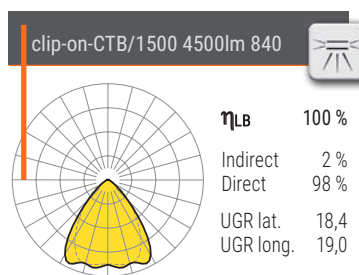
Type	L	B	H	A1	A2	X	Y
clip-on-C/1100	1145	55	43	1043	101	0	0
clip-on-C/1500	1527	55	43	1424	101	0	0
clip-on-C/1900	1908	55	43	1806	101	0	0



Light line mounting



clip-on + clip-on-SAES



Please refer to the current data and prices for LED luminaires at www.lichtwerk.de



Type	LED Specification	P _{sys} (W)	Driver	Item-Number	Colour	Colour	kg	kg
clip-on-CTB/1100	LED 3400lm 840	18	ED	774 3344 10...	□ ...0	■ ...6	...4	2,0
	LED 3400lm 840	18	DALI	774 3346 60...	□ ...0	■ ...6	...4	2,0
clip-on-CTB/1500	LED 4500lm 840	23	ED	774 3444 10...	□ ...0	■ ...6	...4	2,6
	LED 4500lm 840	23	DALI	774 3446 60...	□ ...0	■ ...6	...4	2,6
clip-on-CTB/1900	LED 5600lm 840	29	ED	774 3544 10...	□ ...0	■ ...6	...4	3,6
	LED 5600lm 840	29	DALI	774 3546 60...	□ ...0	■ ...6	...4	3,6

Accessories	Type	Details	Item-Number	Colour	kg
Through wiring	clip-on-DV	Through wiring set 5 x 1.5 for light-line assembly	774 9000 100	■	0,2
Suspension set	clip-on-SAES 3x0,75	Suspension set 2000/120 3x0,75 ED	774 0037 105	■	0,3
	clip-on-SAES 5x0,75	Suspension set 2000/120 5x0,75 DALI	774 0057 105	■	0,3
Mechanical connection	clip-on-SAVS	Wire suspension with mechanical connection 2000/120	774 0000 105	■	0,1







epic R-AF



Housing

Round aluminium profile, natural anodised.
Surrounding shadow joint between housing and flat inserted film frame.
Minimal dirt ingress via sealing lip between frame and housing.

Lighting technology -AF

Direct distribution.
Aluminium profile set flush in the housing with translucent film for a homogenous illumination appearance.
Light colour: 4000K. Optional: 3000K. Other light colours on request.

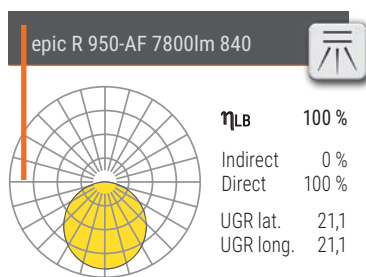
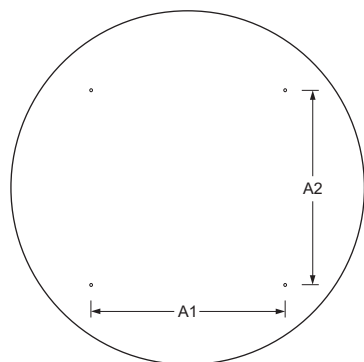
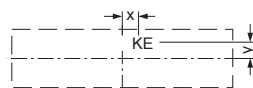
Miscellaneous

Electrical connection via three-pole or for dimmable luminaires, five-pole feed-in and connection terminal with plug-in technology, with integrated protective earth connection and unlocking button, suitable for rigid and flexible cables up to 2,5mm².

Accessories

Extraction tool for releasing film frame must be ordered separately.

Type	D	H	A1	A2	X	Y
epic R 950	954	178	650	560	142	0
epic R 1280	1284	184	724	868	0	90
epic R 1560	1564	184	1010	900	0	95



■ epic R 950



■ epic R 1280



■ epic R 1560

Please refer to the current data and prices for LED luminaires at www.lichtwerk.de



Type	LED Specification	P _{sys} (W)	Driver	Item-Number	Colour	kg
epic R 950-173-AF	LED 7800lm 840	111	ED	627 0954 154	■	20
	LED 7800lm 840	111	DALI	627 0956 154	■	20
epic R 1280-173-AF	LED 15200lm 840	218	ED	627 1284 154	■	35
	LED 15200lm 840	218	DALI	627 1286 154	■	35
epic R 1560-173-AF	LED 22000lm 840	314	ED	627 1564 154	■	46,5
	LED 22000lm 840	314	DALI	627 1566 154	■	46,5

Accessories	Type	Details	Item-Number	kg
Film frame extractor tool (Set)	epic R	Film frame extractor for epic R	630 0000 110	0,1

A digital display mounted on a concrete wall. The display is divided into sections. The top left section shows a table with room numbers. The top right section features the TGZ logo. The bottom section has a red background with white text and a digital clock.

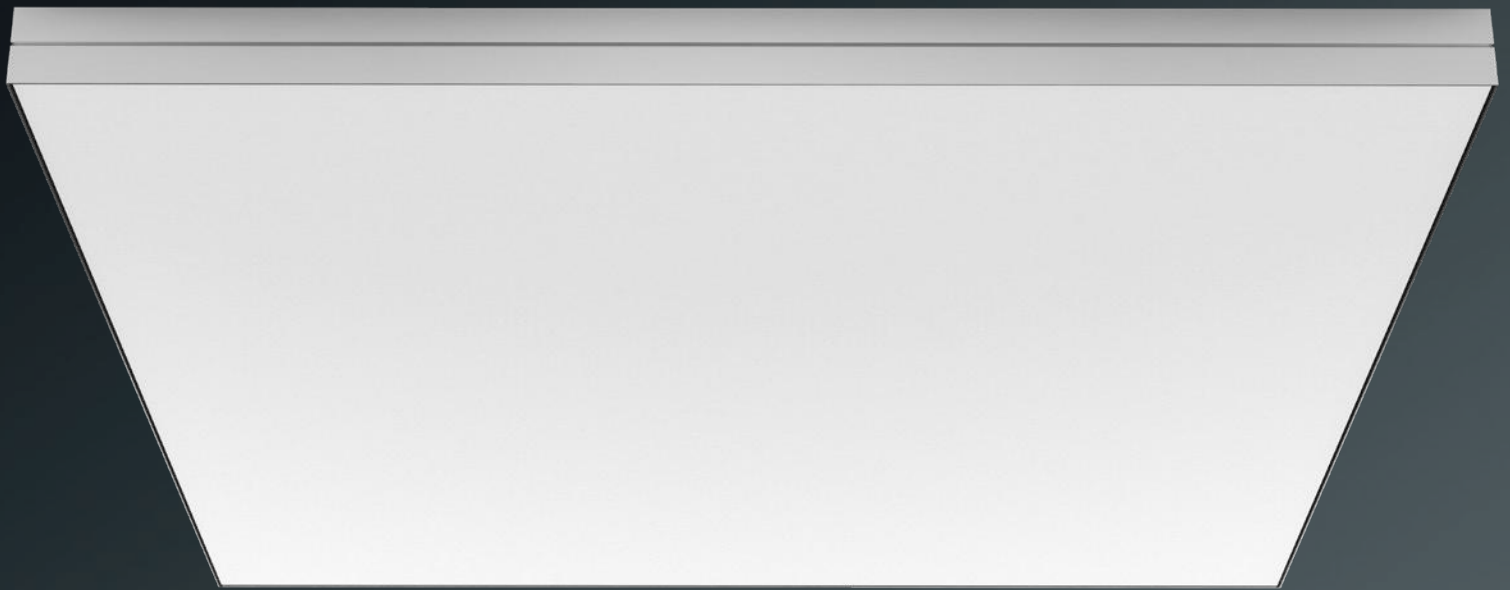
Raum
4.16
4.17
0.12

TGZ

Technologie- und Gründerzentrum! 11:07







epic Q-AF



Housing

Aluminium profile, natural anodised. Surrounding shadow joint between housing and flat inserted film frame. Minimal dirt ingress via sealing lip between frame and housing.

Lighting technology -AF

Direct distribution.

Aluminium profile set flush in the housing with translucent film for a homogenous illumination appearance.

Light colour: 4000K. Optional: 3000K. Other light colours on request.

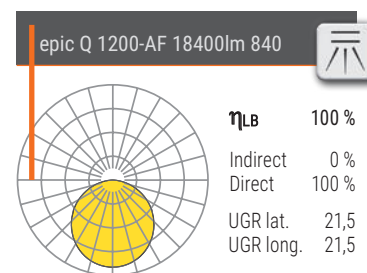
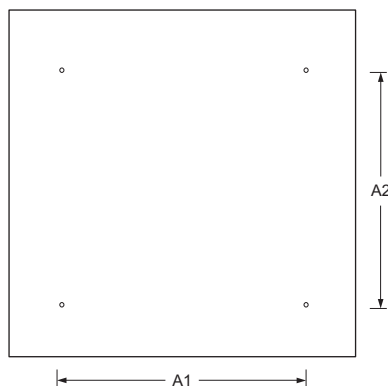
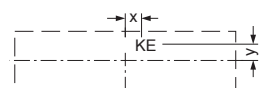
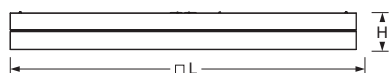
Miscellaneous

Electrical connection via three-pole or for dimmable luminaires, five-pole feed-in and connection terminal with plug-in technology, with integrated protective earth connection and unlocking button, suitable for rigid and flexible cables up to 2,5mm².

Accessories

Extraction tool for releasing film frame must be ordered separately.

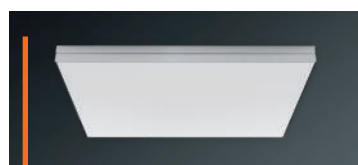
Type	L	H	A1	A2	X	Y
epic Q 600	604	96	520	520	0	0
epic Q 900	904	96	700	840	0	0
epic Q 1200	1212	103	1120	900	0	568
epic Q 1500	1504	103	1400	1160	0	714



■ epic Q 600



■ epic Q 900



■ epic Q 1200



■ epic Q 1500

Please refer to the current data and prices for LED luminaires at www.lichtwerk.de



Type	LED Specification	P _{sys} (W)	Driver	Item-Number	Colour	kg
epic Q 600-88-AF	LED 4800lm 840	47	ED	626 0604 164	■	11
	LED 4800lm 840	47	DALI	626 0606 164	■	11
epic Q 900-88-AF	LED 10700lm 840	105	ED	626 0904 164	■	19
	LED 10700lm 840	105	DALI	626 0906 164	■	19
epic Q 1200-88-AF	LED 18400lm 840	187	ED	626 1204 164	■	34
	LED 18400lm 840	187	DALI	626 1206 164	■	34
epic Q 1500-88-AF	LED 28800lm 840	292	ED	626 1504 164	■	43
	LED 28800lm 840	292	DALI	626 1506 164	■	43

Accessories	Type	Details	Item-Number	kg
Film frame extractor tool (Set)	epic R	Film frame extractor for epic Q	630 0000 110	0,1



fino-AMP



Housing

Aluminium profile, natural anodised. Face ends sheet steel, painted white aluminium. Concealed sheet steel rail as ceiling mount, traffic white, for mounting the luminaire without tools. Also available in painted traffic white (similar to RAL 9016) or deep black (similar to RAL 9005). Other housing colours on request.

Lighting technology -AMP

Direct distribution.

Transparent polycarbonate extruded profile with inserted micro-prismatic diffuser and white reflectors.

Rated life time = L80 B10 50.000h.

Light colour: 4000K. Optional: 3000K. Other light colours on request.

Miscellaneous

Electrical connection via three-pole or for dimmable luminaires, five-pole feed-in and connection terminal with plug-in technology, with integrated protective earth connection and unlocking button, suitable for rigid and flexible cables up to 2,5mm².

Accessories

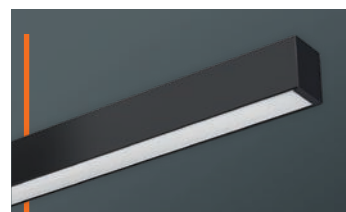
Suction pad SH 55 for removing the diffuser must be ordered separately.



■ natural anodized

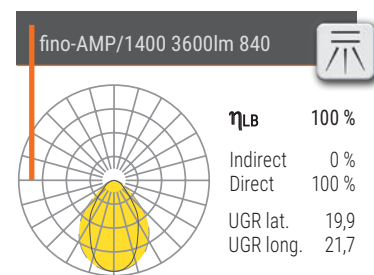
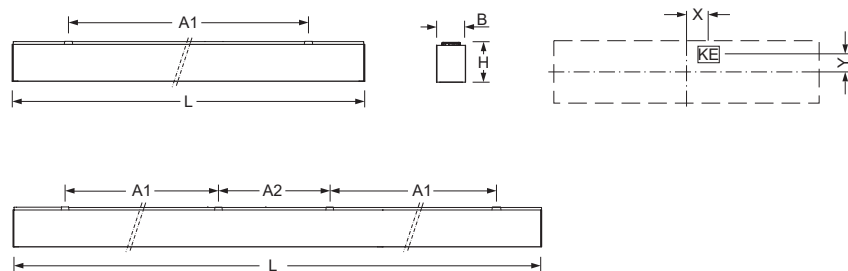


□ traffic white



■ deep black

Type	L	B	H	A1	A2	X	Y
fino-AMP/1100	1143	72	102	850		0	0
fino-AMP/1400	1424	72	102	1130		170	0
fino-AMP/2200	2272	72	102	850	280	565	0
fino-AMP/2800	2834	72	102	1130	280	875	0



Please refer to the current data and prices for LED luminaires at www.lichtwerk.de

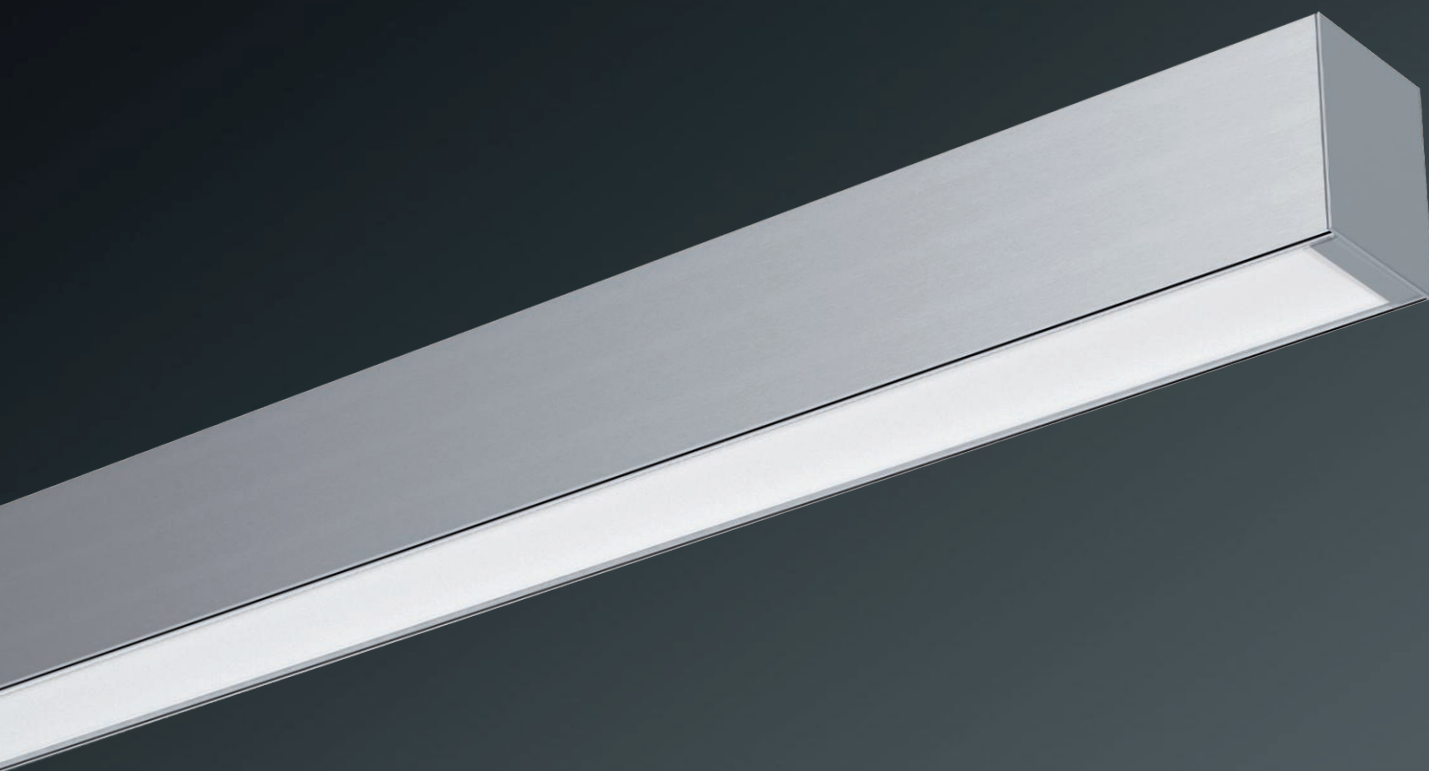


Type	LED Specification	P _{sys} (W)	Driver	Item-Number	Colour	Colour	kg
fino-AMP/1100	LED 2900lm 840	24	ED	435 4144 150	■	□	4,8
	LED 2900lm 840	24	DALI	435 4146 650	■	□	4,8
fino-AMP/1400	LED 3600lm 840	29	ED	435 5144 150	■	□	5,9
	LED 3600lm 840	29	DALI	435 5146 650	■	□	5,9
fino-AMP/2200	LED 5800lm 840	47	ED	435 8144 150	■	□	9,6
	LED 5800lm 840	47	DALI	435 8146 650	■	□	9,6
fino-AMP/2800	LED 7200lm 840	59	ED	435 0144 150	■	□	11,8
	LED 7200lm 840	59	DALI	435 0146 650	■	□	11,8

Accessories	Type	Details	Item-Number	kg
Suction pad	SH 55	Suction pad for fino-AMP diffuser	903 0055 100	0,1







fino-AK



Housing

Aluminium profile, natural anodised. Face ends sheet steel, painted white aluminium. Concealed sheet steel rail as ceiling mount, traffic white, for mounting the luminaire without tools. Also available in textured paint traffic white (similar to RAL 9016) or deep black (similar to RAL 9005). Other housing colours on request.

Lighting technology -AK

Direct distribution.

White-opal satin-finished polycarbonate extruded profile with white reflectors.

Rated life time = L80 B10 50.000h.

Light colour: 4000K. Optional: 3000K. Other light colours on request.

Miscellaneous

Electrical connection via three-pole or for dimmable luminaires, five-pole feed-in and connection terminal with plug-in technology, with integrated protective earth connection and unlocking button, suitable for rigid and flexible cables up to 2,5mm².

Accessories

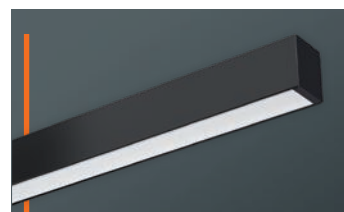
Suction pad SH 55 for removing the diffuser must be ordered separately.



■ natural anodized

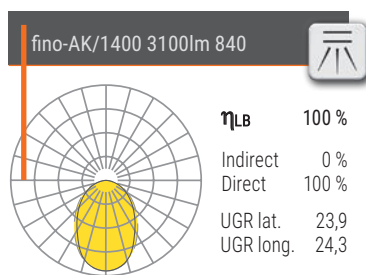
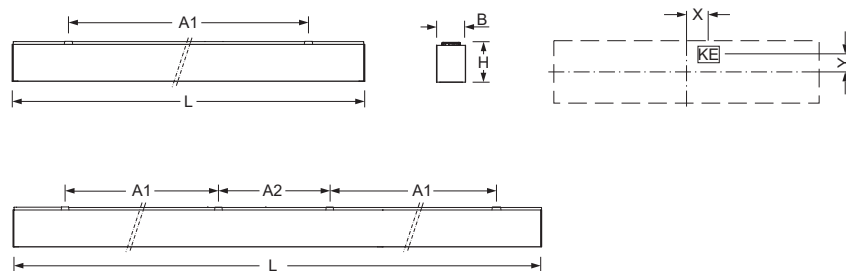


□ traffic white



■ deep black

Type	L	B	H	A1	A2	X	Y
fino-AK/1100	1143	72	102	850		0	0
fino-AK/1400	1424	72	102	1130		170	0
fino-AK/2200	2272	72	102	850	280	565	0
fino-AK/2800	2834	72	102	1130	280	875	0



Please refer to the current data and prices for LED luminaires at www.lichtwerk.de



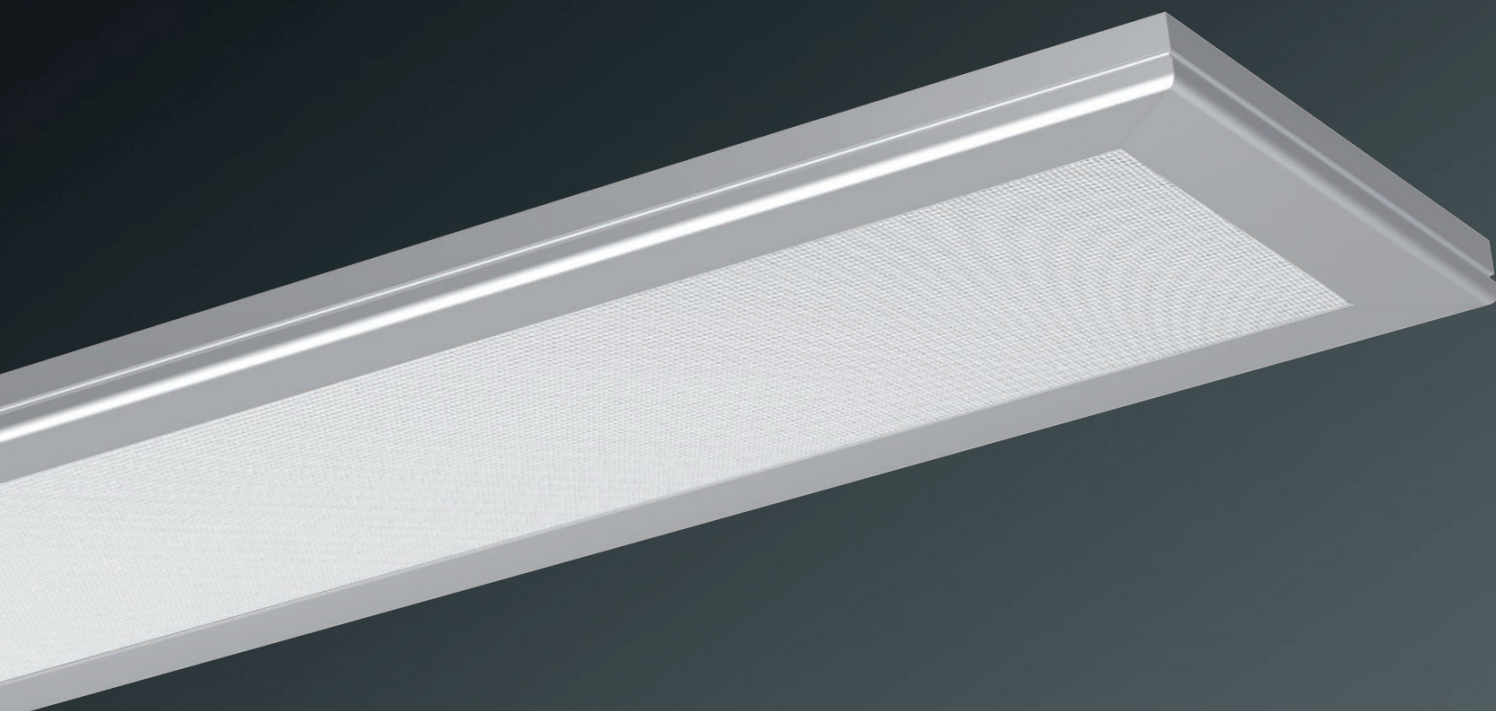
Type	LED Specification	P _{sys} (W)	Driver	Item-Number	Colour	Colour	kg
fino-AK/1100	LED 2500lm 840	24	ED	435 4144 180	■	□	4,6
	LED 2500lm 840	24	DALI	435 4146 680	■	□	4,6
fino-AK/1400	LED 3100lm 840	29	ED	435 5144 180	■	□	5,7
	LED 3100lm 840	29	DALI	435 5146 680	■	□	5,7
fino-AK/2200	LED 5000lm 840	47	ED	435 8144 180	■	□	9,2
	LED 5000lm 840	47	DALI	435 8146 680	■	□	9,2
fino-AK/2800	LED 6300lm 840	59	ED	435 0144 180	■	□	11,4
	LED 6300lm 840	59	DALI	435 0146 680	■	□	11,4

Accessories	Type	Details	Item-Number	kg
Suction pad	SH 55	Suction pad for fino-AK diffuser	903 0055 100	0,1



CENTOGENE
THE RARE DISEASE COMPANY





rason-RSAIMP



Housing

Ultra-flat luminaire housing, aluminium profile, natural anodised, visible construction height 30mm; with continuous longitudinal groove, rounded towards the bottom of the luminaire.

Lighting technology -RSAIMP

Direct/indirect distribution.

Direct ratio by means of a microprismatic panel with conical glare elimination; homogeneous light emission through lateral LED light coupling and fitted aluminium reflector in a highly reflective white coating. With micro-perforation at upper side of the housing for a moderate ceiling illumination.

For VDU workstations $65^\circ < 3000\text{cd/m}^2$, $\text{UGR} \leq 19$ according to DIN EN 12464-1.

Rated life time = L80 B10 50.000h.

Light colour: 4000K. Optional: 3000K. Other light colours on request.



DALI DT8

Luminaire in tunable white technology for Human Centric Lighting.

927/warm white (2700K) - 965/daylight white (6500K) continuously adjustable. Suitable controls for tunable white technology on request.

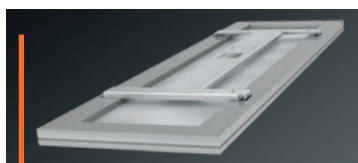
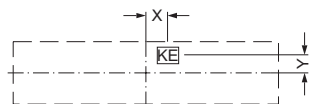
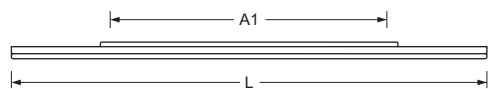
For VDU workstations $65^\circ < 3000\text{cd/m}^2$, $\text{UGR} \leq 19$ according to DIN EN 12464-1.

Rated life time = L80 B10 50.000h.

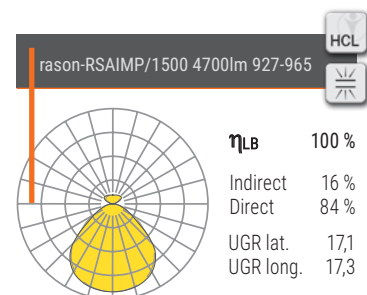
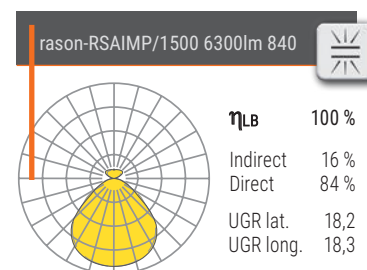
Miscellaneous

Electrical connection via three-pole or for dimmable luminaires, five-pole feed-in and connection terminal with plug-in technology, with integrated protective earth connection and unlocking button, suitable for rigid and flexible cables up to 2,5mm².

Type	L	B	H	A1	A2	X	Y
rason-RSAIMP/1200	1199	330	42	700	230	0	0
rason-RSAIMP/1500	1480	330	42	700	230	0	0



Micro-perforation housing top

Please refer to the current data and prices for LED luminaires at www.lichtwerk.de

Type	LED Specification	P _{sys} (W)	Driver	Item-Number	Colour	kg
rason-RSAIMP/1200	LED 4900lm 840	44	ED	442 1014 175	■	7,5
	LED 4900lm 840	44	DALI	442 1016 675	■	7,6
	LED 3700lm 927-965	45	DALI DT8	442 4016 975	■	7,6
rason-RSAIMP/1500	LED 6300lm 840	55	ED	445 1024 175	■	9,0
	LED 6300lm 840	55	DALI	445 1026 675	■	9,1
	LED 4700lm 927-965	55	DALI DT8	445 4026 975	■	9,1







rason-RSAIG



Housing

Ultra-flat luminaire housing, aluminium profile, natural anodised, visible construction height 30mm; with continuous longitudinal groove, rounded towards the bottom of the luminaire.

Lighting technology -RSAIG/-RSWIG

Direct/indirect distribution.

Homogeneous illumination by satinised special acrylic panel, with high transmission and homogeneous light emission through lateral LED light coupling and fitted aluminium reflector in a highly reflective white coating.

With micro-perforation at upper side of the housing for a moderate ceiling illumination. Rated life time = L80 B10 50.000h.

Light colour: 4000K. Optional: 3000K. Other light colours on request.



DALI DT8

Luminaire in tunable white technology for Human Centric Lighting.

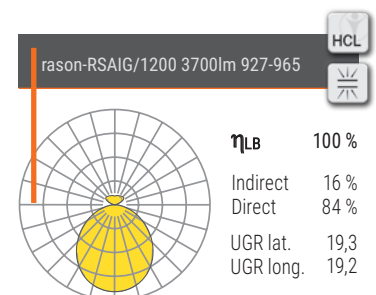
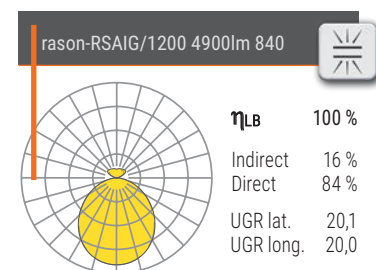
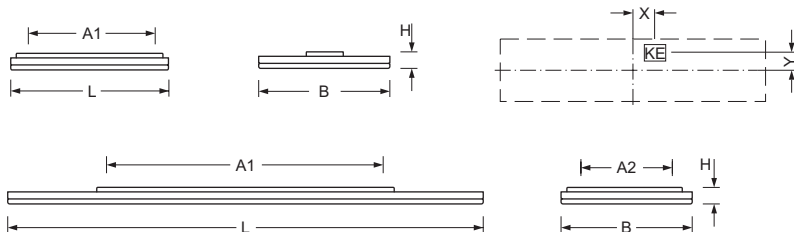
927/warm white (2700K) - 965/daylight white (6500K) continuously adjustable. Suitable controls for tunable white technology on request.

Rated life time = L80 B10 50.000h.

Miscellaneous

Electrical connection via three-pole or for dimmable luminaires, five-pole feed-in and connection terminal with plug-in technology, with integrated protective earth connection and unlocking button, suitable for rigid and flexible cables up to 2,5mm².

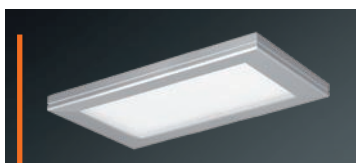
Type	L	B	H	A1	A2	X	Y
rason-RSWIG/355	355	330	42	265		0	0
rason-RSWIG/635	635	330	42	548		0	0
rason-RSAIG/1200	1199	330	42	700	230	0	0
rason-RSAIG/1500	1480	330	42	700	230	0	0



rason-RSWIG suitable for ceiling- and wall-mounting



■ rason-RSWIG/355



■ rason-RSWIG/635

Please refer to the current data and prices for LED luminaires at www.lichtwerk.de



Type	LED Specification	P _{sys} (W)	Driver	Item-Number	Colour	kg
rason-RSWIG/355	LED 1300lm 840	12	ED	460 1034 115	■	2,4
rason-RSWIG/635	LED 2600lm 840	24	ED	461 1044 115	■	4,2
	LED 2600lm 840	24	DALI	461 1046 615	■	4,2
rason-RSAIG/1200	LED 4900lm 840	44	ED	442 1014 115	■	7,5
	LED 4900lm 840	44	DALI	442 1016 615	■	7,6
	LED 3700lm 927-965	45	DALI DT8	442 4016 915	■	7,6
rason-RSAIG/1500	LED 6300lm 840	55	ED	445 1024 115	■	9,0
	LED 6300lm 840	55	DALI	445 1026 615	■	9,1
	LED 4700lm 927-965	55	DALI DT8	445 4026 915	■	9,1







galant-pro-GPAK



Housing

Extruded sheet steel trapezoid luminaire body, white polycarbonat end faces. Cable entries near centre of luminaire. Diffuser fixing by engaging; Housing colour traffic white (similar to RAL 9016). Suitable for ceiling- or for wall-mounting.

Lighting technology -GPAK

Direct distribution.

Direct diffuse light distribution using diffuser profile made of white-opal acrylic glass, convex with inner longitudinal prisms, snap-fit white end faces made of UV-stabilised polycarbonate.

Rated life time = L80 B10 50.000h.

Light colour: 4000K. Optional: 3000K. Other light colours on request.

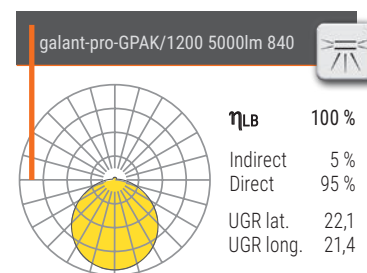
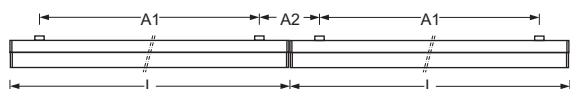
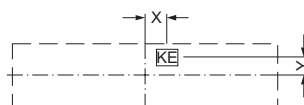
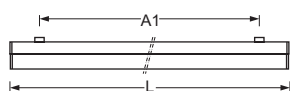
Miscellaneous

Electrical connection via three-pole or for dimmable luminaires, five-pole feed-in and connection terminal with plug-in technology, with integrated protective earth connection and unlocking button, suitable for rigid and flexible cables up to 2,5mm².

Accessories

Suspension set GPA-PS 1700mm must be ordered separately.

Type	L	B	H	A1	A2	X	Y
galant-pro-GPAK/0600	604	218	80	520	234	65	0
galant-pro-GPAK/1200	1204	218	80	900	454	0	0
galant-pro-GPAK/1500	1504	218	80	1100	554	0	0



Please refer to the current data and prices for LED luminaires at www.lichtwerk.de



Type	LED Specification	P _{Sys} (W)	Driver	Item-Number	Colour	kg
galant-pro-GPAK/0600	LED 2300lm 840	19	ED	216 6214 180	<input type="checkbox"/>	2,1
	LED 2300lm 840	19	DALI	216 6216 680	<input type="checkbox"/>	2,1
galant-pro-GPAK/1200	LED 5000lm 840	36	ED	216 2214 180	<input type="checkbox"/>	2,8
	LED 5000lm 840	36	DALI	216 2216 680	<input type="checkbox"/>	2,8
galant-pro-GPAK/1500	LED 6300lm 840	45	ED	216 5214 180	<input type="checkbox"/>	3,3
	LED 6300lm 840	45	DALI	216 5216 680	<input type="checkbox"/>	3,3

Accessories	Type	Details	Item-Number	kg
Suspension set	GPA-PS 3x0,75	Suspension set ED 3x0,75	216 9003 100	0,6
	GPA-PS 5x0,75	Suspension set DALI 5x0,75	216 9005 100	0,7







galant-pro-GPAKPC



Housing

Extruded sheet steel trapezoid luminaire body, white polycarbonat end faces. Cable entries near centre of luminaire. Diffuser fixing by engaging; Housing colour traffic white (similar to RAL 9016). Suitable for ceiling- or for wall-mounting.

Lighting technology -GPAKPC

Direct distribution.
Direct diffuse light distribution using white-opal diffuser profile made of polycarbonate, convex with inner longitudinal prisms, snap-fit white end faces made of UV-stabilised polycarbonate.
Rated life time = L80 B10 50.000h.
Light colour: 4000K. Optional: 3000K. Other light colours on request.

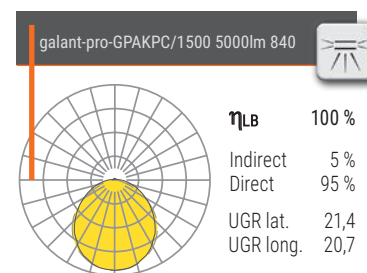
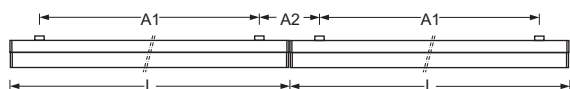
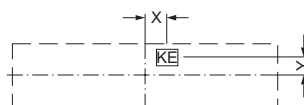
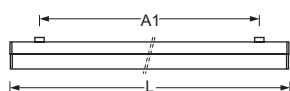
Miscellaneous

Electrical connection via three-pole or for dimmable luminaires, five-pole feed-in and connection terminal with plug-in technology, with integrated protective earth connection and unlocking button, suitable for rigid and flexible cables up to 2,5mm².

Accessories

Suspension set GPA-PS 1700mm must be ordered separately.

Type	L	B	H	A1	A2	X	Y
galant-pro-GPAKPC/0600	604	218	80	520	234	65	0
galant-pro-GPAKPC/1200	1204	218	80	900	454	0	0
galant-pro-GPAKPC/1500	1504	218	80	1100	554	0	0



Please refer to the current data and prices for LED luminaires at www.lichtwerk.de



Type	LED Specification	P _{sys} (W)	Driver	Item-Number	Colour	kg
galant-pro-GPAKPC/0600	LED 2100lm 840	19	ED	216 6214 181	<input type="checkbox"/>	2,1
	LED 2100lm 840	19	DALI	216 6216 681	<input type="checkbox"/>	2,1
galant-pro-GPAKPC//1200	LED 4000lm 840	36	ED	216 2214 181	<input type="checkbox"/>	2,8
	LED 4000lm 840	36	DALI	216 2216 681	<input type="checkbox"/>	2,8
galant-pro-GPAKPC//1500	LED 5000lm 840	45	ED	216 5214 181	<input type="checkbox"/>	3,3
	LED 5000lm 840	45	DALI	216 5216 681	<input type="checkbox"/>	3,3

Accessories	Type	Details	Item-Number	kg
Suspension set	GPA-PS 3x0,75	Suspension set ED 3x0,75	216 9003 100	0,6
	GPA-PS 5x0,75	Suspension set DALI 5x0,75	216 9005 100	0,7







drop



Housing

Round luminaire housing of deep-drawn sheet steel.
Suitable for ceiling- and wall-mounting.

Lighting technology

Direct distribution.
Round, domed acrylic glass diffuser, with opal frosted, smooth surface.
Variant drop/300 + drop/500 (low) for VDU workstations according to
DIN EN 12464-1, $65^\circ < 3000 \text{ cd/m}^2$.
Rated life time = L80 B10 50.000h.
Light colour: 4000K. Optional: 3000K. Other light colours on request.

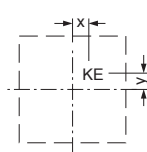
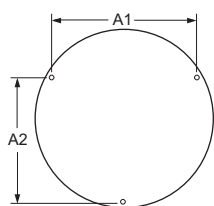
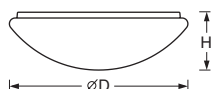
Version ED+S9

With integrated HF motion sensor. Range 1-8m, time setting 30sec -
30min. and brightness threshold value of 2 to 2000lx continuously
adjustable. Switching capacity max. 4 luminaires drop 400 or drop 500.

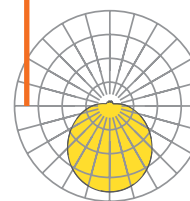
Miscellaneous

Electrical connection via 3-pole plug-in connection terminal. With integrated earth
conductor connection and unlocking button, suitable for rigid and
flexible cables up to $2,5 \text{ mm}^2$. On request luminaire with integrated
emergency inverter 3h.

Type	D	H	A1	A2	X	Y
drop/300	302	105	208	180	0	60
drop/400	373	125	272	232	0	77
drop/500	477	150	360	360	0	103



drop/500 3100lm 840



η_{LB}	100 %
Indirect	14 %
Direct	86 %
UGR lat.	20,2
UGR long.	20,2

Please refer to the current data and prices for LED luminaires at www.lichtwerk.de

Type	LED Specification	P _{sys} (W)	Driver	Item-Number	Colour	kg
drop/300	LED 1100lm 830	9	ED	231 0204 110	<input type="checkbox"/>	0,9
	LED 1200lm 840	9	ED	231 0214 110	<input type="checkbox"/>	0,9
drop/400	LED 2100lm 830	18	ED	231 0124 110	<input type="checkbox"/>	1,4
	LED 2100lm 830	18	ED + S9	234 0124 110	<input type="checkbox"/>	1,6
	LED 2300lm 840	18	ED	231 0134 110	<input type="checkbox"/>	1,4
	LED 2300lm 840	18	ED + S9	234 0134 110	<input type="checkbox"/>	1,6
drop/500	LED 2900lm 830	25	ED	231 0144 110	<input type="checkbox"/>	2,4
	LED 2900lm 830	25	ED + S9	234 0144 110	<input type="checkbox"/>	2,6
	LED 3100lm 840	25	ED	231 0154 110	<input type="checkbox"/>	2,4
	LED 3100lm 840	25	ED + S9	234 0154 110	<input type="checkbox"/>	2,6
	LED 4300lm 830	37	ED	231 0184 110	<input type="checkbox"/>	2,5
	LED 4300lm 830	37	ED + S9	234 0184 110	<input type="checkbox"/>	2,7
	LED 4600lm 840	37	ED	231 0194 110	<input type="checkbox"/>	2,5
	LED 4600lm 840	37	ED + S9	234 0194 110	<input type="checkbox"/>	2,7







micro-AFA wallwasher



Housing

Housing of sheet steel, powder-coated traffic white (similar to RAL 9016) or painted white aluminium (similar to 9006). Other housing colours on request. LED support unit made from aluminium profile, natural anodised finish, arrangeable as optically continuous light-lines, through easy removable end-caps.

Lighting technology -AFA

Direct asymmetrical distribution.
Distribution via Fresnel-lens made from acrylic.
Rated life time = L80 B10 50.000h.
Light colour: 4000K. Optional: 3000K. Other light colours on request.

Miscellaneous

Electrical connection via three-pole or for dimmable luminaires, five-pole feed-in and connection terminal with plug-in technology, with integrated protective earth connection and unlocking button, suitable for rigid and flexible cables up to 2,5mm².

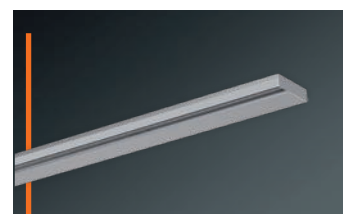
Accessories

For surface mounting as continuous light-line one through-wiring micro-DV per joint is needed.

For pendant mounting as single luminaire one mounting kit micro-SAES is required. For pendant mounting as continuous light-line one mounting kit micro-SAES is needed. Additionally for each joint one suspension micro-SAVS and one through-wiring micro-DV is necessary. Free height adjustment between 150 and 2000mm. Accessories have to be ordered separately.

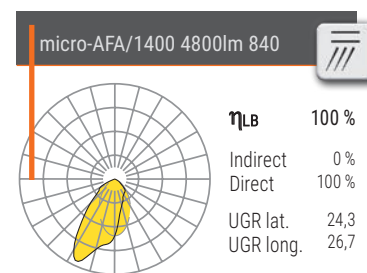
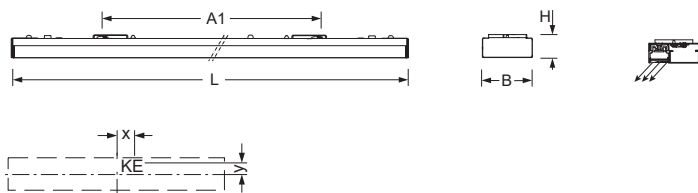


□ traffic white

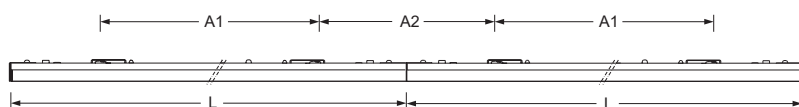


WB white aluminium

Type	L	B	H	A1	A2	X	Y
micro-AFA/800	850	82	32	700	148	95	10
micro-AFA/1100	1131	82	32	980	149	0	10
micro-AFA/1400	1412	82	32	1260	150	0	10



Light line mounting



Please refer to the current data and prices for LED luminaires at www.lichtwerk.de



Type	LED Specification	P _{sys} (W)	Driver	Item-Number	Colour	Colour	kg
micro-AFA/800	LED 2900lm 840	25	ED	531 3144 19...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	2,0
	LED 2900lm 840	25	DALI	531 3146 69...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	2,0
micro-AFA/1100	LED 3800lm 840	34	ED	531 4144 19...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	2,4
	LED 3800lm 840	34	DALI	531 4146 69...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	2,4
micro-AFA/1400	LED 4800lm 840	42	ED	531 5144 19...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	3,0
	LED 4800lm 840	42	DALI	531 5146 69...	<input type="checkbox"/> ...0	<input checked="" type="checkbox"/> ...6	3,0

Accessories	Type	Details	Item-Number	kg
Through wiring	micro-DV	Through wiring set 5 x 1.5 for light-line assembly	531 9000 100	0,2
Suspension set	micro-SAES 3x0,75	Suspension set 2000/120 3x0,75 ED	531 0037 105	0,2
	micro-SAES 5x0,75	Suspension set 2000/120 5x0,75 DALI	531 0057 105	0,3
Mechanical connection	micro-SAVS	Wire suspension with mechanical connection 2000/120	531 0000 105	0,1











scala-AG



Housing

Housing made from sheet steel, powder coated traffic white (similar to RAL 9016), diffuser frame made from aluminium natural anodised or powder coated traffic white (similar to RAL 9016). Other housing colours and combinations on request. Suitable for ceiling- and wall-mounting.

Lighting technology -AG

Direct distribution.

Homogeneous illumination by satinised special acrylic panel, with high transmission. Variant scala-AG LED 3500 for VDU workstations according to DIN EN 12464-1, $65^\circ < 3000 \text{ cd/m}^2$.

Light colour: 4000K. Optional: 3000K. Other light colours on request.

Miscellaneous

Electrical connection via three-pole or for dimmable luminaires, five-pole feed-in and connection terminal with plug-in technology, with integrated protective earth connection and unlocking button, suitable for rigid and flexible cables up to 2,5mm².

Accessories

Suction pad SH 55 for removing the pane must be ordered separately.

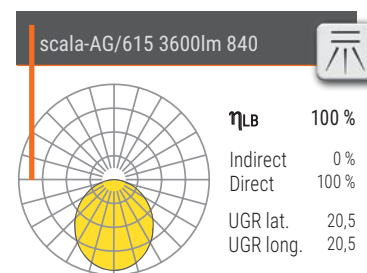
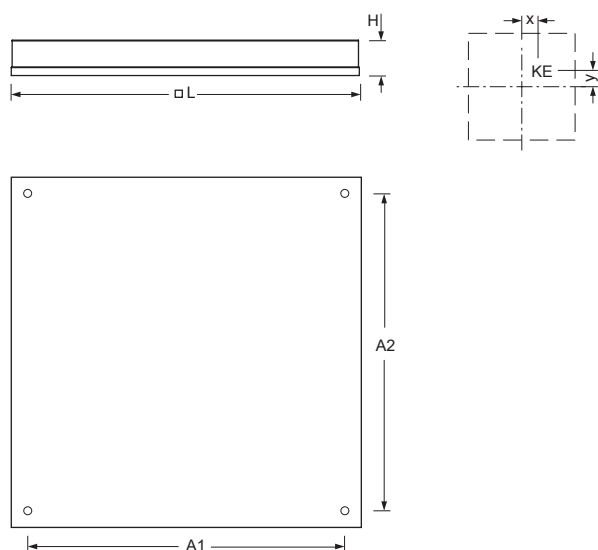


□ □ traffic white



□ ■ natural anodized

Type	□ L	H	A1	A2	X	Y
scala-AG/380	380	63	260	315	45	157
scala-AG/450	450	63	400	400	40	202
scala-AG/615	615	63	560	560	0	284



scala-AG/380



scala-AG/450



scala-AG/615

Please refer to the current data and prices for LED luminaires at www.lichtwerk.de



Type	LED Specification	P _{sys} (W)	Driver	Item-Number	Colour	Colour	kg
scala-AG/380	LED 2800lm 840	25	ED	594 3154 18...	□ □ ...0	□ ■ ...5	3,1
	LED 2800lm 840	25	DALI	594 3156 68...	□ □ ...0	□ ■ ...5	3,1
scala-AG/450	LED 3900lm 840	41	ED	594 2324 18...	□ □ ...0	□ ■ ...5	3,8
	LED 3900lm 840	41	DALI	594 2326 68...	□ □ ...0	□ ■ ...5	3,8
scala-AG/615	LED 3600lm 840	25	ED	594 1114 18...	□ □ ...0	□ ■ ...5	6,5
	LED 3600lm 840	25	DALI	594 1116 68...	□ □ ...0	□ ■ ...5	6,5
	LED 5700lm 840	40	ED	594 1214 18...	□ □ ...0	□ ■ ...5	6,5
	LED 5700lm 840	40	DALI	594 1216 68...	□ □ ...0	□ ■ ...5	6,5

Accessories	Type	Details	Item-Number	kg
Suction pad	SH 55	Suction pad for scala-AG pane	903 0055 100	0,1





Modul III

Modul I



scala-AMP



Housing

Housing made from sheet steel, powder coated traffic white (similar to RAL 9016), diffuser frame made from aluminium natural anodised or powder coated traffic white (similar to RAL 9016). Other housing colours and combinations on request. Suitable for ceiling- and wall-mounting.

Lighting technology -AMP

Direct distribution.

Light distribution via microprismatic panel with conical glare elimination in multilayer technology. For VDU workstations $65^\circ < 3000 \text{ cd/m}^2$, $\text{UGR} \leq 19$ according to DIN EN 12464-1.

Light colour: 4000K. Optional: 3000K. Other light colours on request.

Miscellaneous

Electrical connection via three-pole or for dimmable luminaires, five-pole feed-in and connection terminal with plug-in technology, with integrated protective earth connection and unlocking button, suitable for rigid and flexible cables up to 2,5mm².

Accessories

Suction pad SH 55 for removing the pane must be ordered separately.

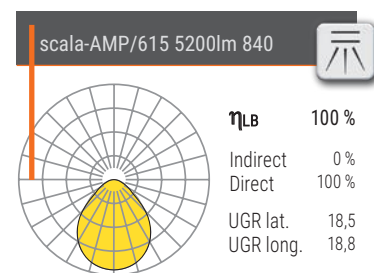
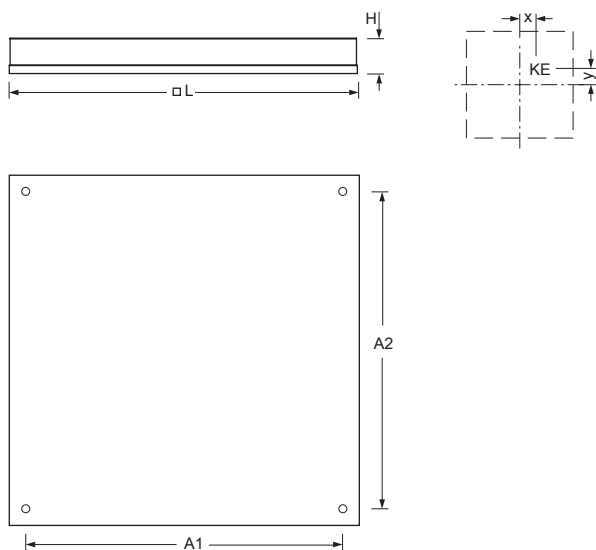


□ □ traffic white



□ ■ natural anodized

Type	□ L	H	A1	A2	X	Y
scala-AMP/615	615	63	570	570	0	288



Please refer to the current data and prices for LED luminaires at www.lichtwerk.de



Type	LED Specification	P _{sys} (W)	Driver	Item-Number	Colour	Colour	kg
scala-AMP/615	LED 5200lm 840	36	ED	594 1214 15...	□ □ ...0	□ ■ ...5	6,5
	LED 5200lm 840	36	DALI	594 1216 65...	□ □ ...0	□ ■ ...5	6,5

Accessories	Type	Details	Item-Number	kg
Suction pad	SH 55	Suction pad for scala-AMP pane	903 0055 100	0,1







linar image II-AG



Housing

Aluminium profile, natural anodized. Corners with mitred cut.
Suitable for ceiling- and wall-mounting.

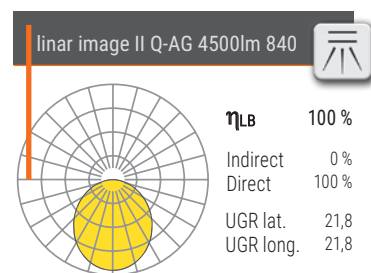
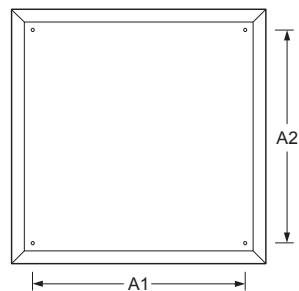
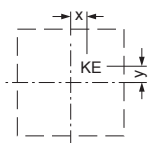
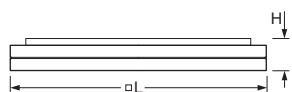
Lighting technology -AMP

Direct distribution.
Microprismatic panel with conical glare elimination.
Light colour: 4000K. Optional: 3000K. Other light colours on request.

Miscellaneous

Electrical connection via three-pole or for dimmable luminaires, five-pole feed-in and connection terminal with plug-in technology, with integrated protective earth connection and unlocking button, suitable for rigid and flexible cables up to 2,5mm².

Type	□L	H	A1	A2	X	Y
linar image II Q-AG/2200lm	425	85	310	310	0	160
linar image II Q-AG/3600lm	520	85	400	400	0	210
linar image II Q-AG/4500lm	683	85	560	560	0	290



linar image II Q-AG/2200lm



linar image II Q-AG/3600lm



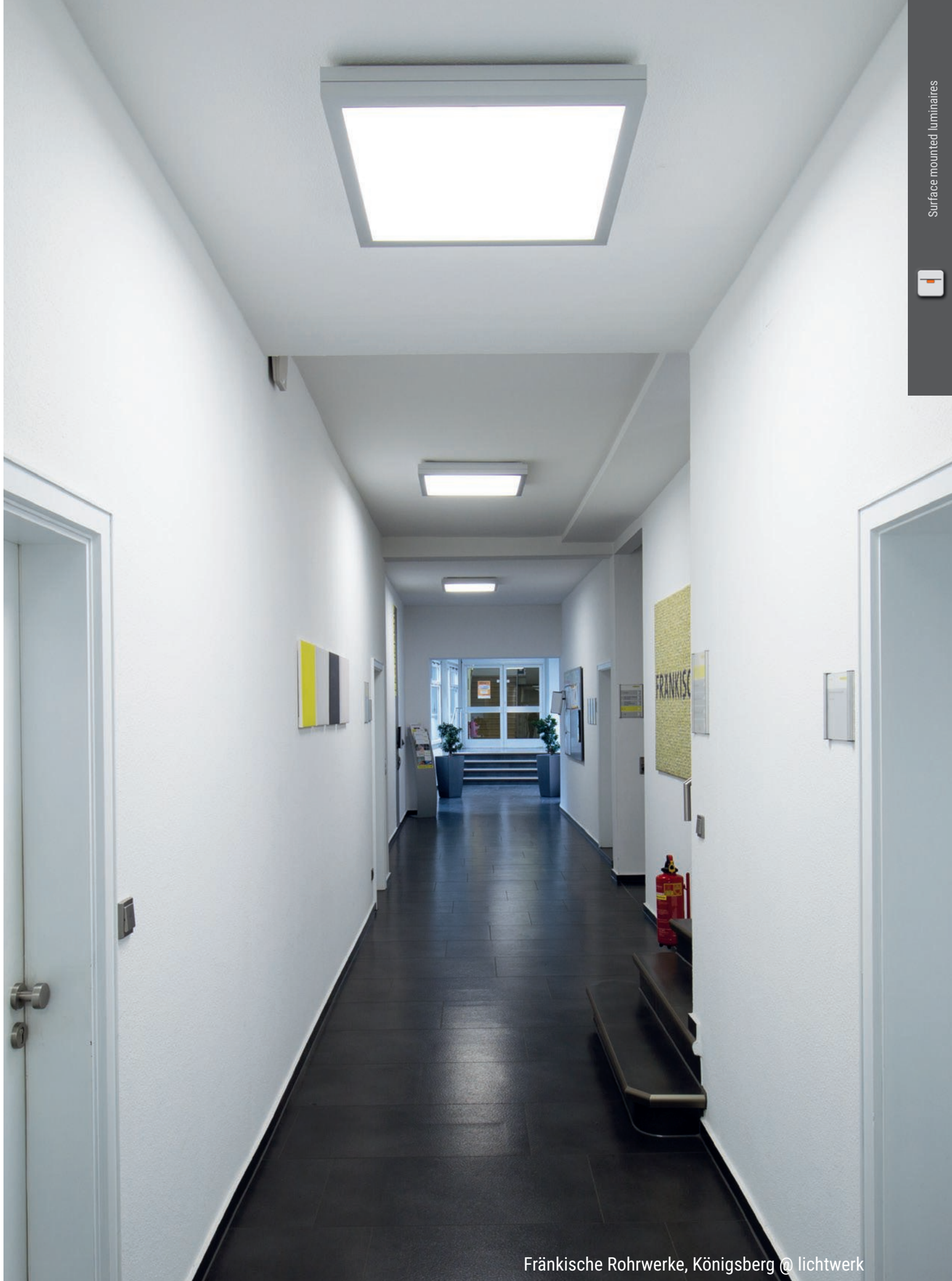
linar image II Q-AG/4500lm

Please refer to the current data and prices for LED luminaires at www.lichtwerk.de



Type	LED Specification	P _{sys} (W)	Driver	Item-Number	Colour	kg
linar image II Q-AG	LED 2200lm 840	25	ED	510 1014 185	■	3,9
	LED 2200lm 840	25	DALI	510 1016 685	■	3,9
	LED 3600lm 840	41	ED	510 7094 185	■	4,7
	LED 3600lm 840	41	DALI	510 7096 685	■	4,7
	LED 4500lm 840	40	ED	510 2024 185	■	7,5
	LED 4500lm 840	40	DALI	510 2026 685	■	7,5





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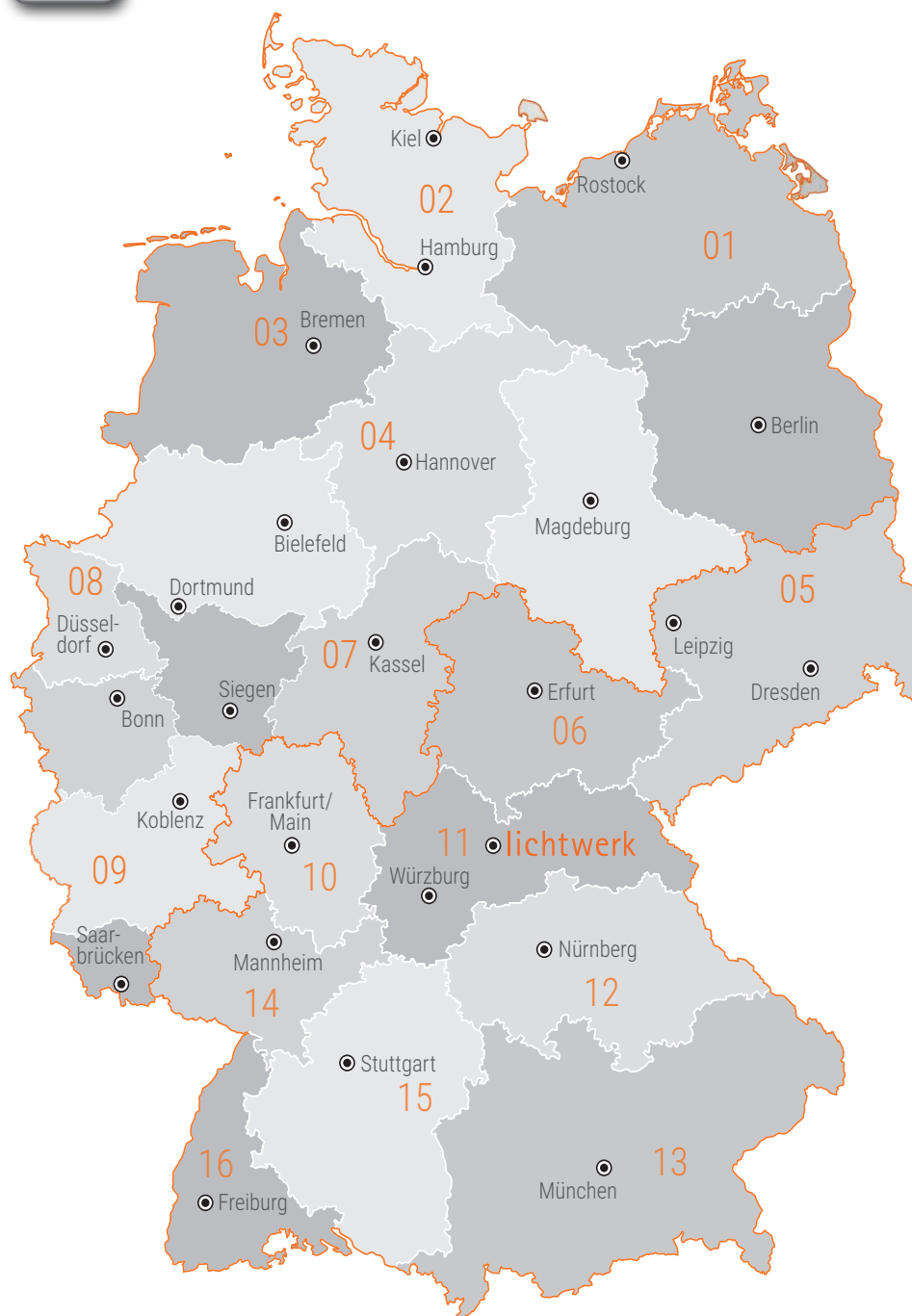
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