













19
20



lichtwerk
inspired by light

Symbol key



Colour code/Colour

	traffic white (similar RAL 9016)
	white-aluminium (similar RAL 9006)
	aluminium natural anodized
	stainless steel
	chrome
	silver
	silver grey
	aluminium
	translucent
	clear
	grit grey
	black (similar RAL 9017)

Control gear

ED	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

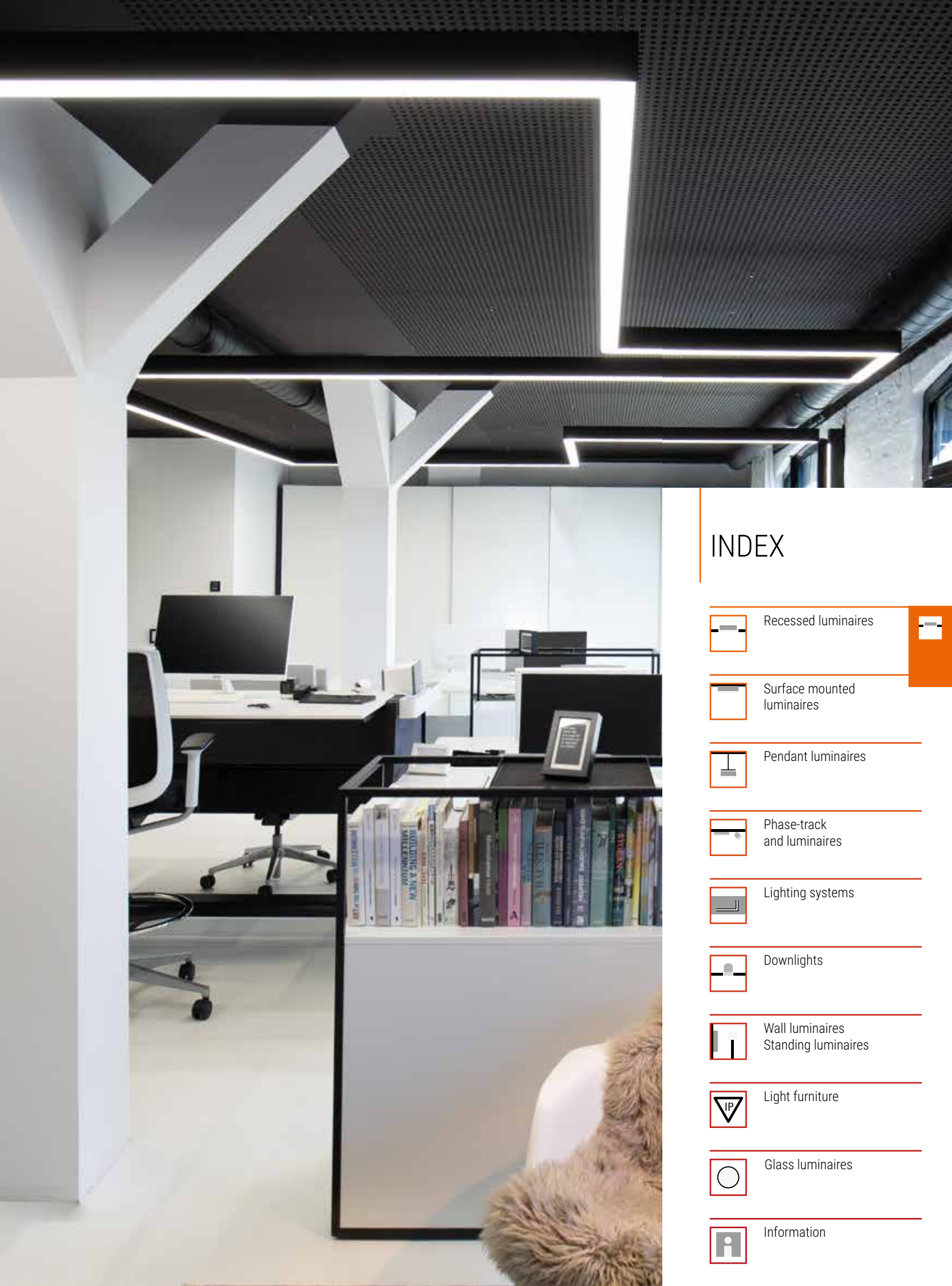
Ceiling systems

	for ceilings with visible T-rails
	for cut-out ceilings

Definition of measurement table variables

L	Length
□L	Length/Width for square luminaires
L2	Additional length
B	Width
H	Height
∅D	Diameter
FL	Length of luminaire base
FB	Width of luminaire base
FD	Diameter of luminaire base
T	Depth
KE	Cable infeed
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 for recessed luminaires
SB	Width of cut for recessed luminaires
SD	Diameter of cut for recessed luminaires
e	Minimum necessary depth for luminaire mounting
Psys	Lighting system performance
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 suspended ceiling





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Recessed luminaires



Surface mounted luminaires



Pendant luminaires



Phase-track and luminaires



Lighting systems



Downlights



Wall luminaires
Standing luminaires



Light furniture



Glass luminaires



Information





Recessed luminaires

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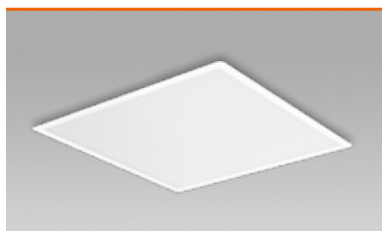
pilo-EOTBT P. 06



pilo-EOTB/400 P. 10



taro-EMP **HCL** P. 14



lopia Q-EG P. 30



epic R-EF P. 34



epic Q-EF P. 38



fino-EKR P. 54



micro-EFAT P. 58

Recessed luminaires



taro-EG **HCL** P. 18



lopia R-EG P. 22



lopia Q-EMP P. 26



fino-EOB P. 42



fino-EMP P. 46



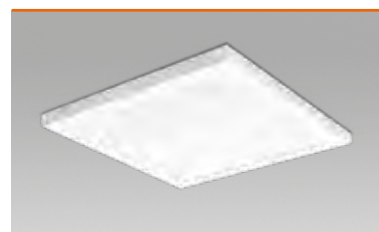
fino-EK P. 50



micro-EGT P. 62



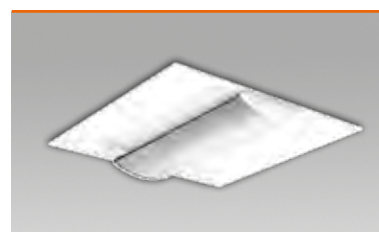
micro-EFA P. 64



boks-BOES P. 68

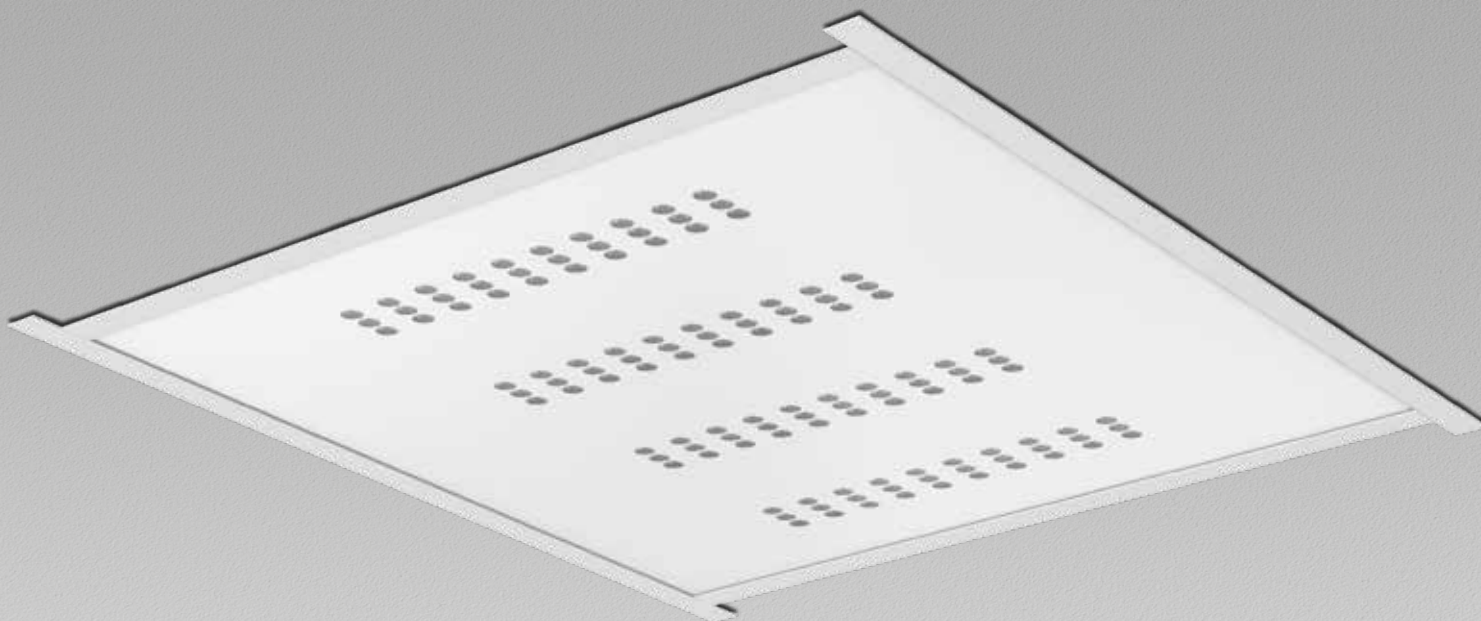


wing-EBK P. 72



wing-EBP P. 74





pilo-EOTBT

IP20       

Housing

Extremely flat and rimless recessed luminaire, made of sheet steel. Suitable for ceilings with visible T-rails 24mm. In combination with mounting frame pilo-ER also for cut out ceilings. Bottom of the housing one-piece with hole pattern. Housing powder-coated traffic white (similar to RAL 9016) or black (similar to RAL 9005). Other RAL colouring available on request.

Lighting technology -EOTBT

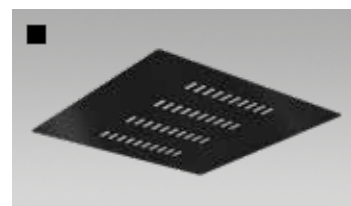
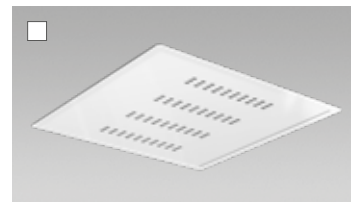
Direct narrow-wide light distribution.
Fully integrated translucent lens optics made of acrylic.
For VDU workstations $65^\circ < 3000\text{cd/m}^2$, $\text{UGR} \leq 19$ according to DIN EN 12464-1.
Rated life time = L80 B10 50.000h.
Light colour: 4000K. Optional: 3000K. Other light colours on request.



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 2,5mm².

Accessories


pilo-ER mounting frame for cut-out ceilings must be ordered separately.

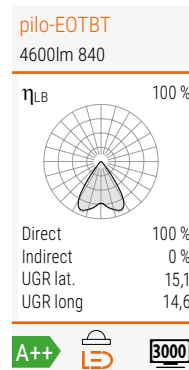
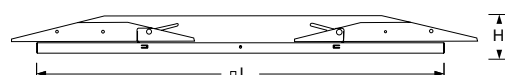







Type	Ceiling	□L	H	ML	MB	e
pilo-EOTBT/625		618	37	625	625	120
pilo-EOTBT/600		593	37	600	600	120



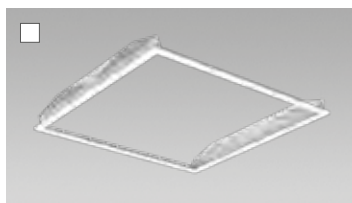
for cut-out ceilings with mounting frame pilo-ER





Type	Ceiling	□L	H	SL	SB	e	DS min/max
pilo-EOTBT/625 + pilo-ER		655	72	642	642	120	10-25



Type	Colour	LED Specification	P _{sys} (W)	ED	DALI	 kg
pilo-EOTBT/625		LED 4600lm 840	38	768 3044 100	768 3046 600	5,9
pilo-EOTBT/625		LED 4600lm 840	38	768 3044 104	768 3046 604	5,9
pilo-EOTBT/600		LED 4600lm 840	38	768 3044 110	768 3046 610	5,7
pilo-EOTBT/600		LED 4600lm 840	38	768 3044 114	768 3046 614	5,7

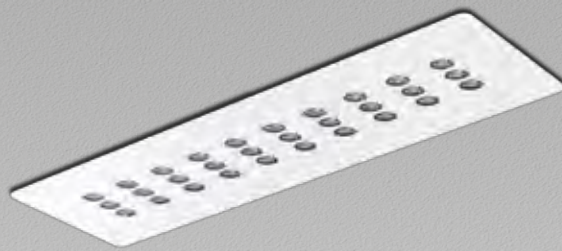
► Please refer to the current data for LED luminaires at www.lichtwerk.de



Accessories	Type	Colour	Material	Details	Item-number	 kg
	Mounting frame	pilo-ER 625	 Mix	Mounting frame for cut out ceiling	768 5000 100	1,8
			 Mix	Mounting frame for cut out ceiling	768 5000 104	1,8







pilo-EOTB/400

IP20        

Housing

Extremely flat, frameless recessed luminaire made of sheet steel. Suitable for cut-out ceilings. Bottom of the housing one-piece with hole pattern. Traffic white (similar to RAL 9016) or black (similar to RAL 9005). Toolless mounting by means of fixing springs.

Lighting technology -EOTB

Direct distribution, narrow and wide beam.

Fully integrated translucent Individual Lens Optic made of acrylic.

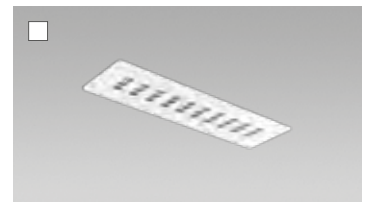
Glare rating UGR ≤ 19.


Rated life time = L80 B10 50.000h.

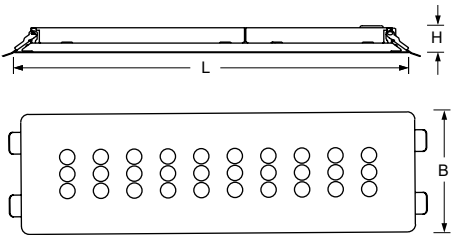
Light colour: 4000K. Optional: 3000K. Other light colours on request.

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.



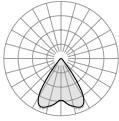
Type	Ceiling	L	B	H	ML	MB	e
pilo-EOTB/400		360	110	42	350	90	70



pilo-EOTB/400

1300lm 840

η_{LB} 100 %




Direct 100 %




Indirect 0 %

UGR lat. 18,6

UGR long. 18,2

A++

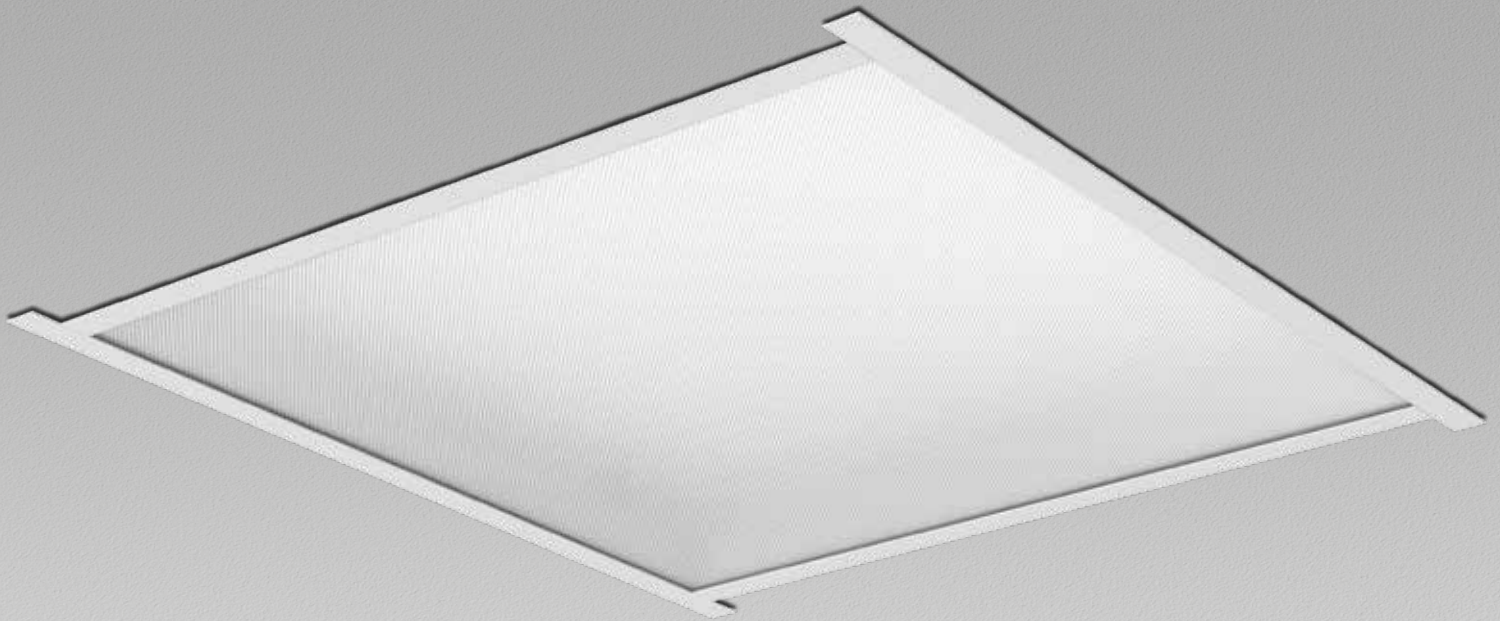


Type	Colour	LED Specification	P _{sys} (W)	ED	DALI	 kg
pilo-EOTB/400		LED 1300lm 840	12	768 3044 130	768 3046 630	1,2
		LED 1300lm 840	12	768 3044 134	768 3046 634	1,2

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







taro-EMP

IP54

Housing

Sheet steel housing suitable for ceilings with visible T-rails 24mm. Painted traffic white (similar to RAL 9016). Suitable for food and beverage industries according to DIN 10500/Food. The protection rating applicable to visible luminaire surface.

Lighting technology -EMP

Direct distribution.

Light distribution via microprismatic panel with conical glare elimination

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 100.000h.

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

HCL DALI DT8

Luminaire in tunable white technology for Human Centric Lighting.



830/warm white (3000K) - 860/daylight white (6000K) continuously adjustable. Suitable controls for tunable white technology on request.

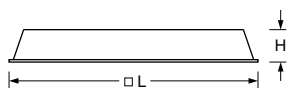
For VDU workstations $65^\circ < 3000\text{cd/m}^2$, $\text{UGR} \leq 19$ according to DIN EN 12464-1.

Rated life time = L80 B10 100.000h.

Miscellaneous

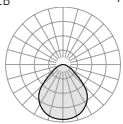
Electrical connection via three-pole or for dimmable luminaires, five-pole feed-in and connection terminal with plug-in technology, with integrated protective earth connection and unlocking button, suitable for rigid and flexible cables up to 2,5mm².

Type	Ceiling	□ L	H	ML	MB	e
taro-EMP/625		622	81	625	625	180
taro-EMP/600		597	81	600	600	180




taro-EMP
4400lm 840

η_{LB} 100 %

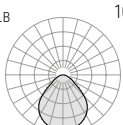


Direct 100 %
Indirect 0 %
UGR lat. 17,6
UGR long. 18,1


A++  **3000**




taro-EMP
4600lm 830-860

η_{LB} 100 %




Direct 100 %
Indirect 0 %
UGR lat. 17,7
UGR long. 18,2

A++  **3000**
HCL

Type	Colour	LED Specification	P _{Sys} (W)	ED	DALI	
taro-EMP/625		LED 4400lm 840	29	722 0014 150	722 0016 650	4,5
taro-EMP/600		LED 4400lm 840	29	722 6014 150	722 6016 650	4,3

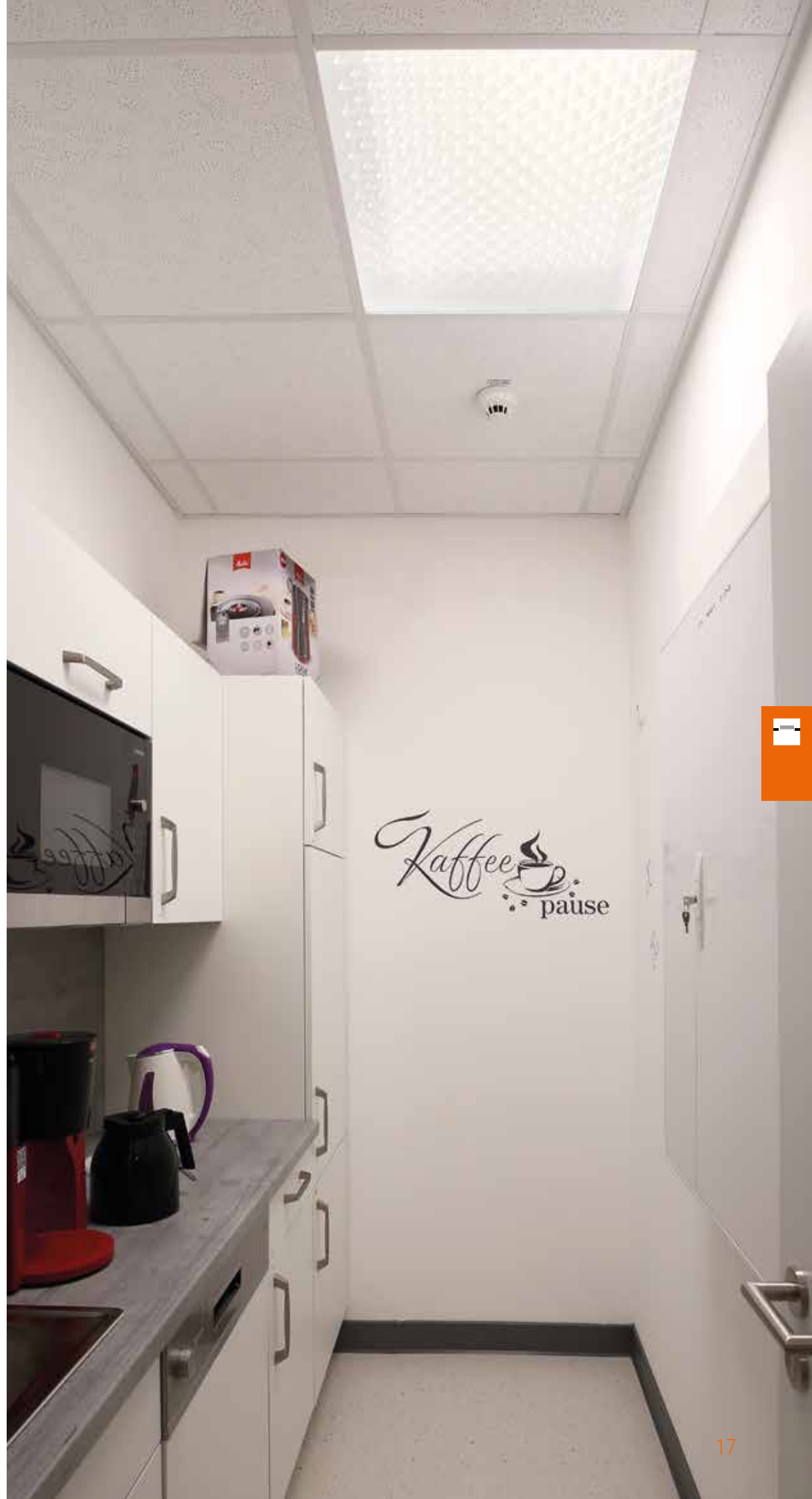
► Please refer to the current data for LED luminaires at www.lichtwerk.de

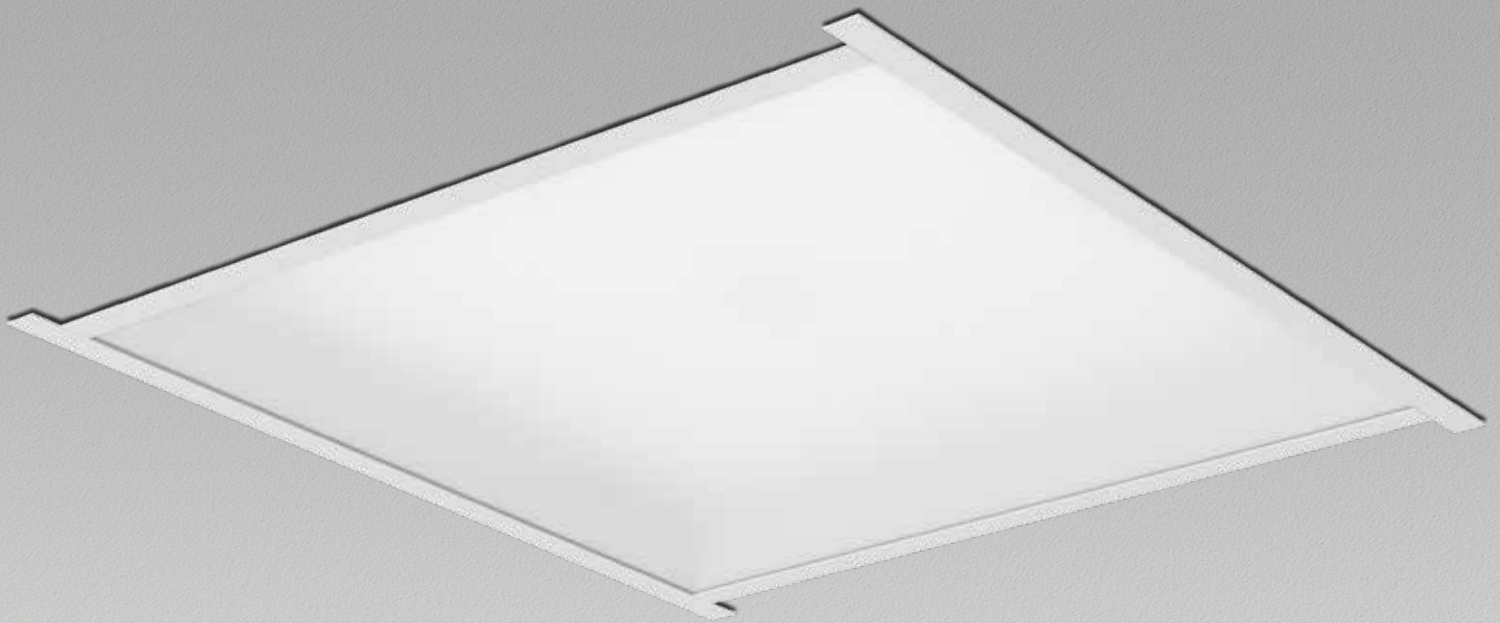
HCL

Type	Colour	LED Specification	P _{Sys} (W)	DALI DT8	
taro-EMP/625		LED 4600lm 830-860	39	722 0066 950	4,5

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







taro-EG

IP54      

Housing

Sheet steel housing suitable for ceilings with visible T-rails 24mm. Painted traffic white (similar to RAL 9016). Suitable for food and beverage industries according to DIN 10500/Food. The protection rating applicable to visible luminaire surface.

Lighting technology -EG

Direct distribution.

Homogeneous illumination by satinised special acrylic panel, with high transmission. For VDU workstations according to DIN EN 12464-1, $65^\circ < 3000\text{cd/m}^2$. Rated life time = L80 B10 100.000h.



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

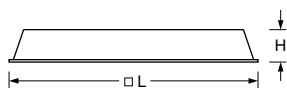
HCL DALI DT8

Luminaire in tunable white technology for Human Centric Lighting. 830/warm white (3000K) - 860/daylight white (6000K) continuously adjustable. Suitable controls for tunable white technology on request. For VDU workstations according to DIN EN 12464-1, $65^\circ < 3000\text{cd/m}^2$. Rated life time = L80 B10 100.000h.

Miscellaneous

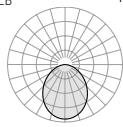
Electrical connection via three-pole or for dimmable luminaires, five-pole feed-in and connection terminal with plug-in technology, with integrated protective earth connection and unlocking button, suitable for rigid and flexible cables up to 2,5mm².

Type	Ceiling	□ L	H	ML	MB	e
taro-EG/625		622	81	625	625	180
taro-EG/600		597	81	600	600	180




taro-EG
4200lm 840

η_{LB} 100 %

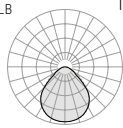


Direct 100 %
Indirect 0 %
UGR lat. 19,9
UGR long. 19,9


A++  **3000**




taro-EG
4500lm 830-860

η_{LB} 100 %



Direct 100 %
Indirect 0 %
UGR lat. 20,1
UGR long. 20,1

A++  **3000**
HCL

Type	Colour	LED Specification	P _{sys} (W)	ED	DALI	
taro-EG/625		LED 4200lm 840	29	722 0014 110	722 0016 610	4,5
taro-EG/600		LED 4200lm 840	29	722 6014 110	722 6016 610	4,3

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

HCL

Type	Colour	LED Specification	P _{sys} (W)	DALI DT8	
taro-EG/625		LED 4500lm 830-860	39	722 0066 910	4,5

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







lopia R-EG

IP20    

Housing

Round housing made of sheet steel with minimalistic rim, for cut out ceilings. Painted traffic white (similar to RAL 9016) or white aluminium (similar to 9006). Other colours on request. Sizes 300, 400 and 600 mounted via clips (included), size 900 mounted with wire suspension to bare ceiling (included). Wire suspension also available for lopia 600 (optional).

Lighting technology R-EG

Direct distribution.

Homogeneous illumination by flush inserted satinised special acrylic pane with high transmission.

Rated life time = L80 B10 50.000h.

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

Miscellaneous



Separate pluggable driver unit. 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.

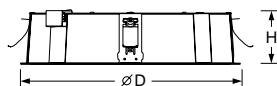
Accessories

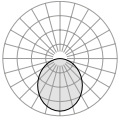

lopia-SAS optional wire suspension to bare ceiling must be ordered separately.
















lopia-EM reinforcing for mineral fibre ceilings must be ordered separately.










Type	Ceiling	D	H	SD	e
lopia R 300		360	77	345	78
lopia R 400		440	107	425	108
lopia R 600		640	107	625	108
lopia R 900		900	147	885	200



lopia R 400-EG	
4500lm 840	
η_{LB}	100 %
	
Direct	100 %
Indirect	0 %
UGR lat.	24,7
UGR long.	24,7
A++ 	

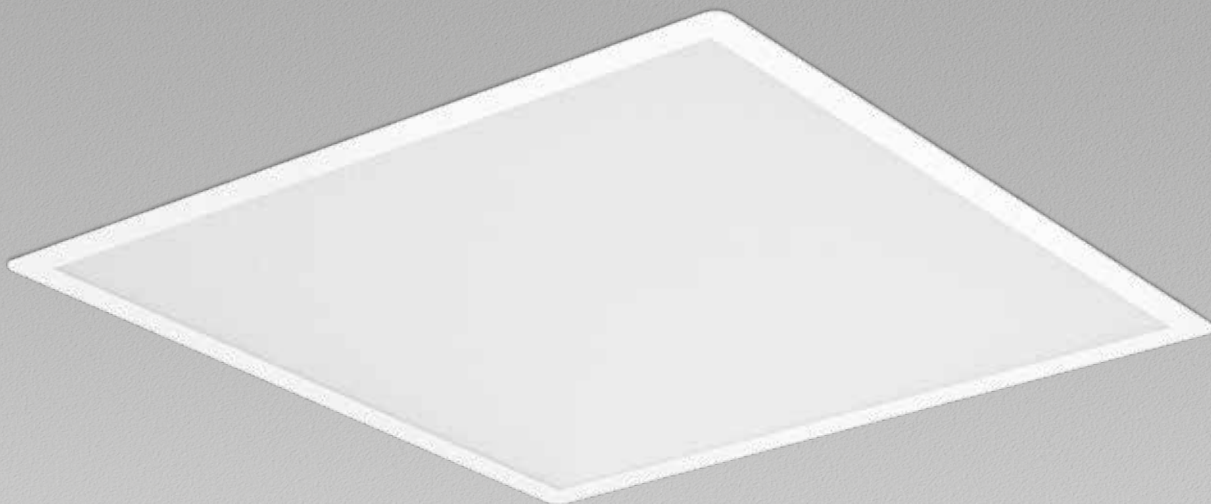
Type	Colour	LED Specification	P _{sys} (W)	ED	DALI	 kg
lopia R 300-EG		LED 2000lm 840	16	366 3044 180	366 3046 680	2,0
		LED 2000lm 840	16	366 3044 186	366 3046 686	2,0
lopia R 300-EG		LED 3000lm 840	26	366 3144 180	366 3146 680	2,0
		LED 3000lm 840	26	366 3144 186	366 3146 686	2,0
lopia R 400-EG		LED 2700lm 840	22	366 4044 180	366 4046 680	2,7
		LED 2700lm 840	22	366 4044 186	366 4046 686	2,7
lopia R 400-EG		LED 4500lm 840	38	366 4144 180	366 4146 680	3,8
		LED 4500lm 840	38	366 4144 186	366 4146 686	3,8
lopia R 600-EG		LED 6100lm 840	50	366 6044 180	366 6046 680	6,5
		LED 6100lm 840	50	366 6044 186	366 6046 686	6,5
lopia R 600-EG		LED 8700lm 840	78	366 6144 180	366 6146 680	6,6
		LED 8700lm 840	78	366 6144 186	366 6146 686	6,6
lopia R 900-EG		LED 11500lm 840	95	366 9044 180	366 9046 680	13,2
		LED 11500lm 840	95	366 9044 186	366 9046 686	13,2

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

Accessories		Type	Colour	Material	Details	Item-number	 kg
	Reinforcing	lopia-EM R 300		StZn	Insert for mineral fibre ceilings for lopia R300 625x625	366 3200 000	1,3
		lopia-EM/6 R 300		StZn	Insert for mineral fibre ceilings for lopia R300 600x600	366 3260 000	1,2
		lopia-EM R 400		StZn	Insert for mineral fibre ceilings for lopia R400 625x625	366 4200 000	1,3
		lopia-EM/6 R 400		StZn	Insert for mineral fibre ceilings for lopia R400 600x600	366 4260 000	1,2
	Wire suspension	lopia-SAS R600		Mix	Wire suspension 2000mm to bare ceiling for lopia R 600	366 6080 000	0,06







lopia Q-EMP

IP20     

Housing

Housing made of sheet steel with minimalistic rim, for cut-out ceilings and ceilings with visible T-rails 24mm. Painted traffic white (similar to RAL 9016) or white aluminium (similar to RAL 9006). Other RAL colours on request.

Lighting technology Q-EMP

Direct distribution.

Light distribution via microprismatic panel with conical glare elimination.

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.

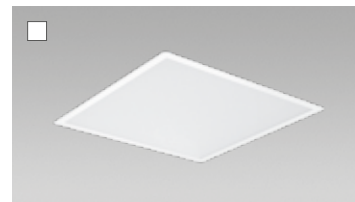
Light colour: 4000K Optional: 3000K. Other light colours on request.



Miscellaneous

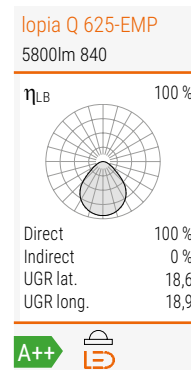
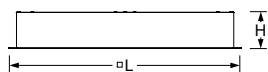
Electrical connection via three-pole or for dimmable luminaires, five-pole feed-in and connection terminal with plug-in technology, with integrated protective earth connection and unlocking button, suitable for rigid and flexible cables up to 2,5mm².



Accessories

UBS Mounting bracket for installation in cut-out ceilings must be ordered separately.




Type	Ceiling	□L	H	SL/SB	ML/MB	e
lopia Q 625		622	94		625	300
lopia Q 625		622	94	610		150



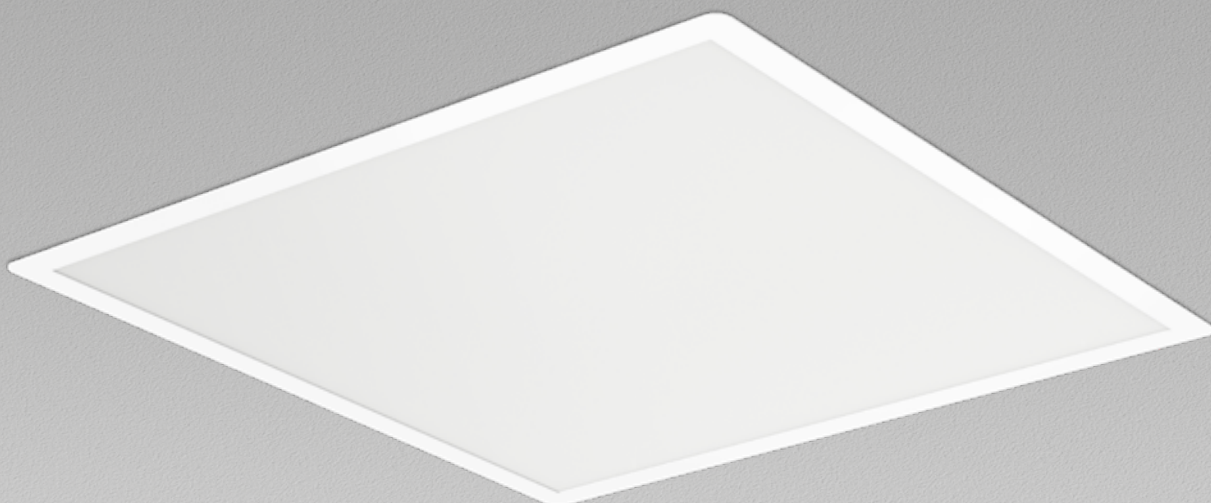
Type	Colour	LED Specification	P _{sys} (W)	ED	DALI	
lopia Q 625-EMP		LED 5800lm 840	42	368 2234 100	368 2236 600	6,6
		LED 5800lm 840	42	368 2234 105	368 2236 605	6,6

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

Accessories	Type	Colour	Material	Details	Item-number	
 Mounting mechanics 4 pcs.	UBS		StZn	Mounting brackets (Set) for lopia Q installation in cut-out ceilings	723 8000 100	0,75







lopia Q-EG

IP20     

Housing

Housing made of sheet steel with minimalistic rim, for cut-out ceilings and ceilings with visible T-rails 24mm. Painted traffic white (similar to RAL 9016) or white aluminium (similar to RAL 9006). Other RAL colours on request.

Lighting technology Q-EG

Direct distribution.

Homogeneous illumination by satinised special acrylic pane, with high transmission. Versions lopia Q- 625/600-EG 3300lm 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.

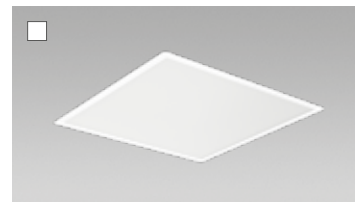
Miscellaneous




lopia Q-EG 330 comes with external pluggable supply unit. 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.

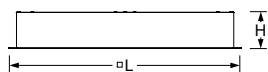
Accessories

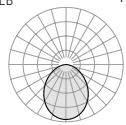


UBS mounting bracket for installation in cut-out ceilings must be ordered separately.

lopia-EM reinforcing for lopia Q-EG 330 ceiling panel installation must be ordered separately.










Type	Ceiling	□L	H	SL/SB	ML/MB	e
lopia Q 330		330	102	315		120
lopia Q 625		622	94		625	300
lopia Q 625		622	94	610		150








lopia Q 625-EG	
3500lm 840	
η _{L.B}	100 %
	
Direct	100 %
Indirect	0 %
UGR lat.	19,5
UGR long.	19,7
A++	
3000	

lopia Q 330-EG



Type	Colour	LED Specification	P _{sys} (W)	ED	DALI	
lopia Q 330-EG		LED 2400lm 840	23	368 0144 180	368 0146 680	2,4
		LED 2400lm 840	23	368 0144 185	368 0146 685	2,4
lopia Q 625-EG		LED 3500lm 840	27	368 2234 180	368 2236 680	6,6
		LED 3500lm 840	27	368 2234 185	368 2236 685	6,6
lopia Q 625-EG		LED 4500lm 840	36	368 2244 180	368 2246 680	6,9
		LED 4500lm 840	36	368 2244 185	368 2246 685	6,9

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

Accessories	Type	Colour	Material	Details	Item-number	
	Mounting mechanics 4 pcs.	UBS		StZn	Fixing brackets (Set) for lopia Q mounting in cut-out ceilings	723 8000 100
	Mounting reinforcing	lopia-EM		StZn	Insert for mineral fibre ceilings for lopia Q 330, 625x625	368 3200 000
		lopia-EM/6		StZn	Insert for mineral fibre ceilings for lopia Q 330, 600x600	368 3260 000







epic R-EF

IP20    

Housing R

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. For ceiling cut-outs.

Lighting technology R-EF

Direct distribution.

Aluminium profile set flush in the ceiling with translucent film for a homogeneous illumination appearance.

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




Miscellaneous

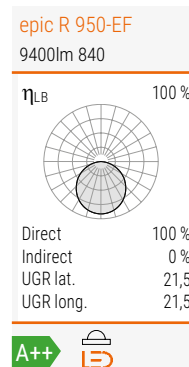
Electrical connection via three-pole or for dimmable luminaires, five-pole feed-in and connection terminal with plug-in technology, with integrated protective earth connection and unlocking button, suitable for rigid and flexible cables up to 2,5mm².





Accessories

Mounting on site or via wire suspension kit, to be ordered separately.





Extraction tool for removing the film frame, to be ordered separately.

Type	Ceiling	D	H	SD	e
epic R 950		980	178	968	240
epic R 1280		1310	184	1298	240
epic R 1560		1590	184	1578	240



Type	Colour	LED Specification	P _{sys} (W)	ED	DALI	
epic R 950-173-EF		LED 9400lm 840	115	625 0954 154	625 0956 154	20
epic R 1280-173-EF		LED 18700lm 840	225	625 1284 154	625 1286 154	35
epic R 1560-173-EF		LED 25400lm 840	325	625 1564 154	625 1566 154	47

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

Accessories	Type	Colour	Material	Details	Item-number	
 Wire suspension kit	epic R-E		Mix	Wire suspension kit 2000mm for epic R-E	630 0000 100	0,5
Film frame extractor tool (Set)	epic R		StZn	Film frame extractor tool for epic R	630 0000 110	0,1







epic Q-EF

IP20    

Housing Q

Aluminium profile, natural anodised. Surrounding shadow joint between housing and flat inserted film frame. Minimal dirt ingress via sealing lip between frame and housing. For ceiling cut-outs.
epic Q 1200 also suitable for ceilings with visible T-rails.

Lighting technology Q-EF






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

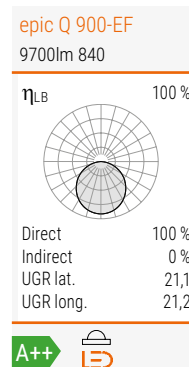
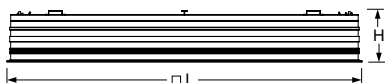
Miscellaneous






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. Connection cable pre-mounted.

Accessories





Mounting on site or via wire suspension kit, to be ordered separately.
Extraction tool for removing the film frame, to be ordered separately.

Type	Ceiling	□ L	H	□ SL	e
epic Q 600		630	96	618	160
epic Q 900		930	96	918	160
epic Q 1200	 	1238	103	1226	160
epic Q 1500		1530	103	1518	160



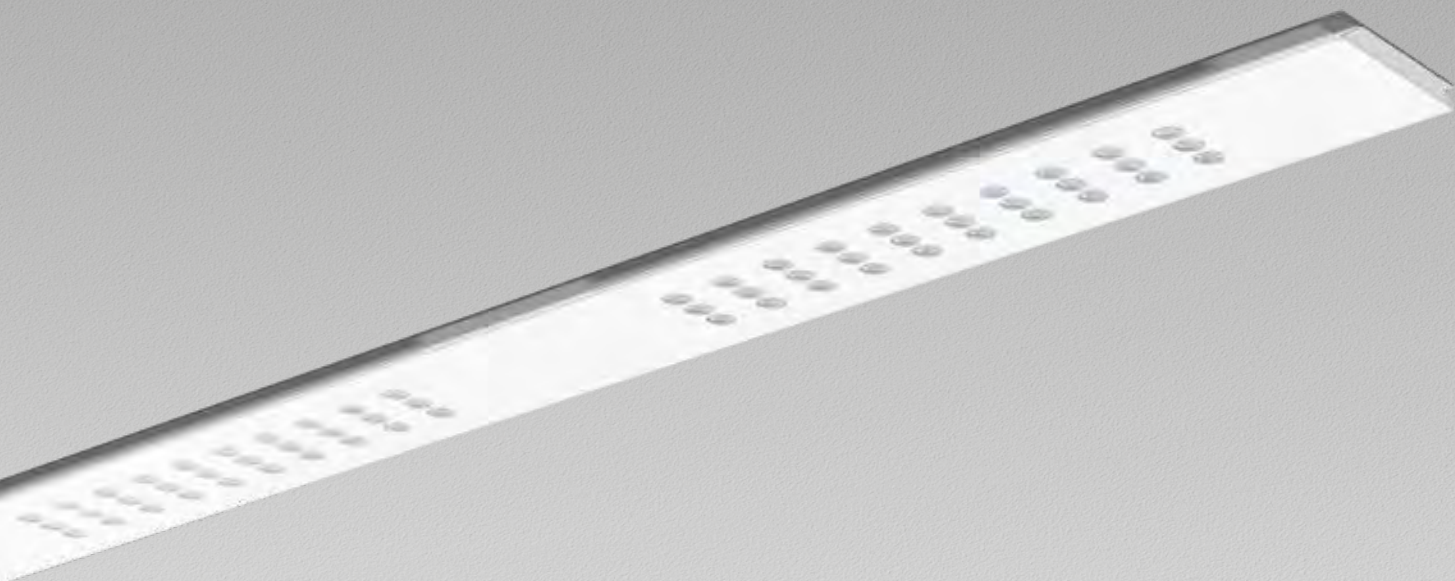
Type	Colour	LED Specification	P _{sys} (W)	ED	DALI	
epic Q 600-88-EF		LED 4100lm 840	50	624 0604 164	624 0606 164	12
epic Q 900-88-EF		LED 9700lm 840	106	624 0904 164	624 0906 164	19
epic Q 1200-88-EF		LED 17100lm 840	189	624 1204 164	624 1206 164	34
epic Q 1500-88-EF		LED 26200lm 840	296	624 1504 164	624 1506 164	42

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

Accessories	Type	Colour	Material	Details	Item-number	
	Wire suspension kit	epic Q-E		Mix	Wire suspension kit 2000mm for epic Q-E	630 0000 100
	Film frame extractor tool (Set)	epic Q		StZn	Film frame extractor tool for epic Q	630 0000 110







fino-EOB

IP20    

Housing

Aluminium profile, natural anodised, for cut-out ceilings.
Trapezoid tray made of sheet steel with holepattern on the bottom and lateral openings for light emission. Mounting via swivel bracket or optional wire suspension. Powder-coated traffic white (similar to RAL 9016) or black (similar to RAL 9005). Other RAL colouring available on request.

Lighting technology -EOB

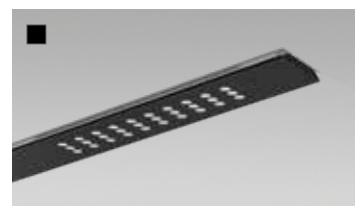
Direct/indirect distribution.
Fully integrated translucent lens optics made of acrylic with additional lateral transmission. Rated life time = L80 B10 50.000h.
Light colour: 4000K. Optional: 3000K. Other light colours on request.





Miscellaneous

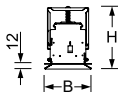
Electrical connection via three-pole or for dimmable luminaires, five-pole feed-in and connection terminal with plug-in technology, with integrated protective earth connection and unlocking button, suitable for rigid and flexible cables up to 2,5mm².

Accessories

fino-ETS optional wire suspension to bare ceiling must be ordered separately.

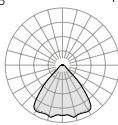


Type	Ceiling	L	B	H	SL	SB	e
fino-EOB/0900		944	86	141	934	77	135
fino-EOB/1400		1404	86	141	1394	77	135
fino-EOB/1900		1864	86	141	1854	77	135
fino-EOB/2800		2784	86	141	2774	77	135













fino-EOB/1400
3200lm 840

η_{LB} 100 %




Direct 98 %
Indirect 2 %
UGR lat. 20,3
UGR long. 19,8

A++ 

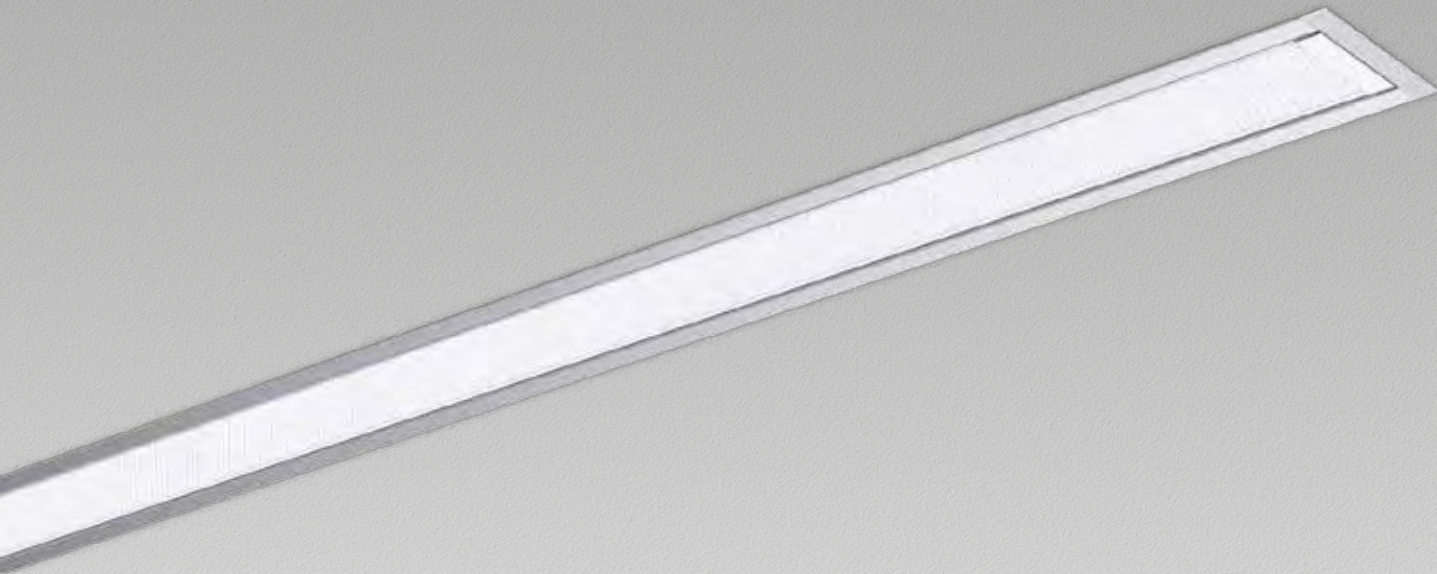
Type	Colour	LED Specification	P _{sys} (W)	ED	DALI	 kg
fino-EOB/0900		LED 2100lm 840	19	135 1244 100	135 1246 600	3,7
		LED 2100lm 840	19	135 1244 104	135 1246 604	3,7
fino-EOB/1400		LED 3200lm 840	29	135 1344 100	135 1346 600	5,1
		LED 3200lm 840	29	135 1344 104	135 1346 604	5,1
fino-EOB/1900		LED 4300lm 840	38	135 1444 100	135 1446 600	6,8
		LED 4300lm 840	38	135 1444 104	135 1446 604	6,8
fino-EOB/2800		LED 6400lm 840	57	135 1644 100	135 1646 600	10
		LED 6400lm 840	57	135 1644 104	135 1646 604	10

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

Accessories							 kg
	Type	Colour	Material	Details	Item-number		
	Wire suspension	fino-ETS Set/Pair		Mix	Wire suspension 2000mm	135 0080 105	0,1







fino-EMP

IP20    

Housing

Aluminium profile, natural anodised. For cut-out ceilings.
Fixing via swivel bracket or wire suspension.

Lighting technology -EMP





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.

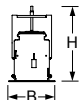
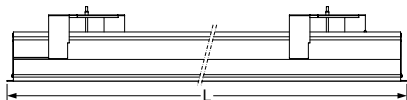
Miscellaneous


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

SH 55 suction pad for removing the diffuser must be ordered separately.
fino-ETS optional wire suspension to bare ceiling must be ordered separately.



Type	Ceiling	L	B	H	SL	SB	e
fino-EMP/1100		1163	86	130	1153	77	135
fino-EMP/1400		1444	86	130	1434	77	135
fino-EMP/2200		2292	86	130	2282	77	135
fino-EMP/2800		2854	86	130	2844	77	135



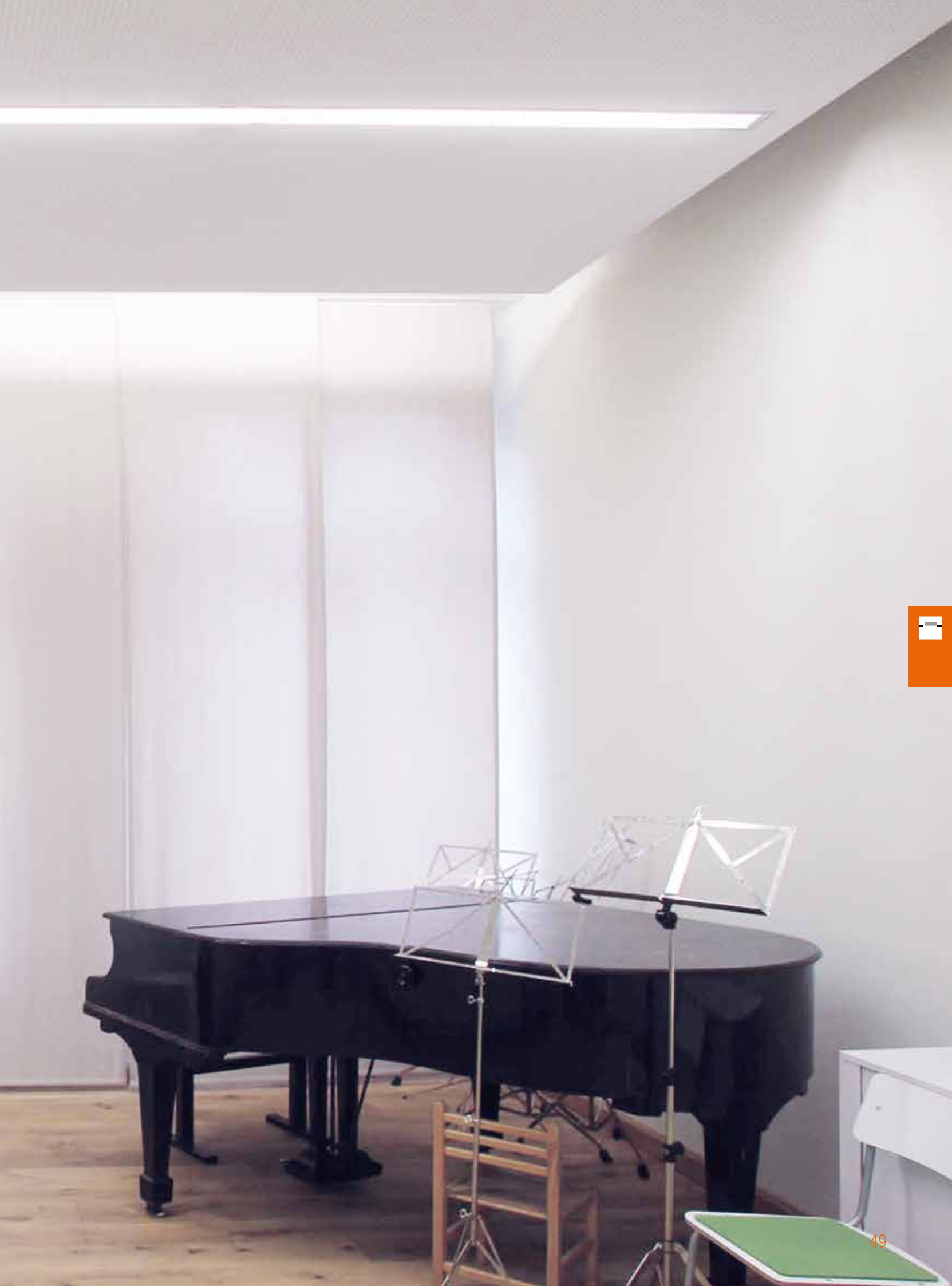
fino-EMP/1400	
3500lm 840	
η_{LB}	100 %
Direct	100 %
Indirect	0 %
UGR lat.	19,7
UGR long.	21,5
A++	

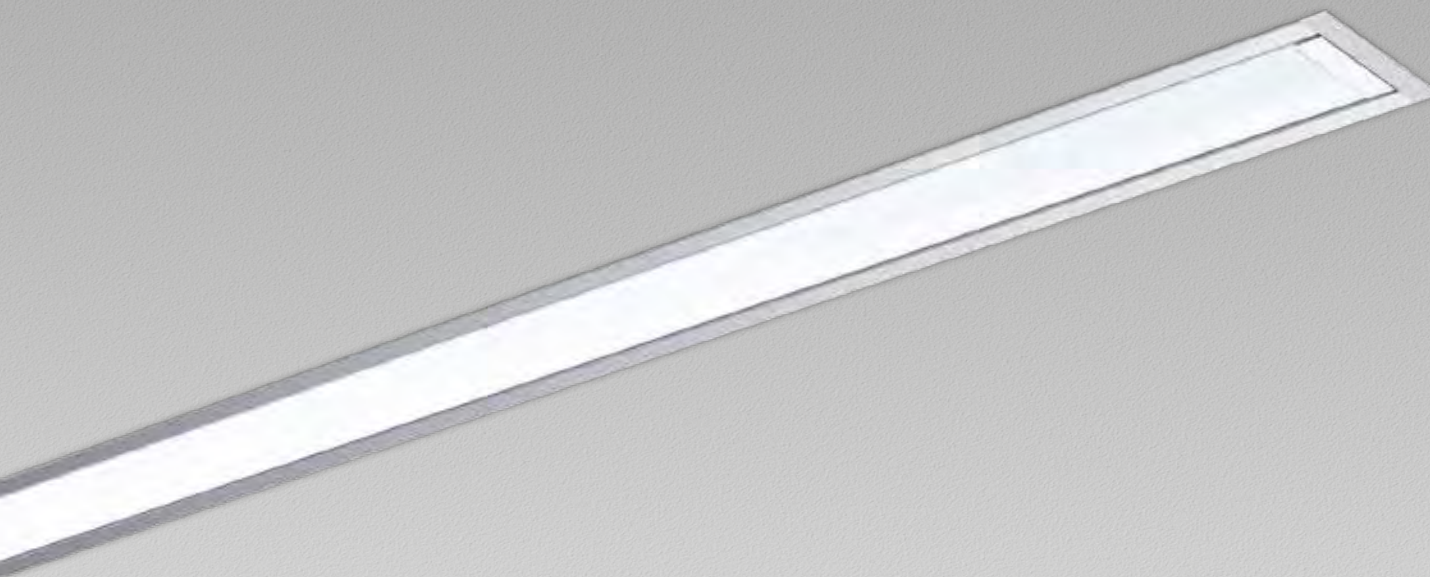
Type	Colour	LED Specification	P _{sys} (W)	ED	DALI	
fino-EMP/1100		LED 2800lm 840	24	135 4144 150	135 4146 650	3,9
fino-EMP/1400		LED 3500lm 840	30	135 5144 150	135 5146 650	4,8
fino-EMP/2200		LED 5600lm 840	48	135 8144 150	135 8146 650	7,8
fino-EMP/2800		LED 7000lm 840	60	135 0144 150	135 0146 650	9,6

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

Accessories	Type	Colour	Material	Details	Item-number	
	Tool	SH 55	Polymer	Suction pad for fino-EMP pane	903 0055 100	0,1
	Wire suspension	fino-ETS Set/Pair	Mix	Wire suspension 2000mm	135 0080 105	0,1







fino-EK

IP20    

Housing

Aluminium profile, natural anodised. For cut-out ceilings.
Fixing via swivel bracket or wire suspension.

Lighting technology -EK





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.

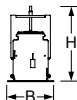
Miscellaneous

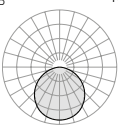


Electrical connection via three-pole or for dimmable luminaires, five-pole feed-in and connection terminal with plug-in technology, with integrated protective earth connection and unlocking button, suitable for rigid and flexible cables up to 2,5mm².






Accessories

SH 55 suction pad for removing the diffuser must be ordered separately.
fino-ETS optional wire suspension to bare ceiling must be ordered separately.





Type	Ceiling	L	B	H	SL	SB	e
fino-EK/1100		1163	86	130	1153	77	135
fino-EK/1400		1444	86	130	1434	77	135
fino-EK/2200		2292	86	130	2282	77	135
fino-EK/2800		2854	86	130	2844	77	135



fino-EK/1400	
3000lm 840	
η_{LB}	100 %
	
Direct	100 %
Indirect	0 %
UGR lat.	24,7
UGR long.	24,7
 	

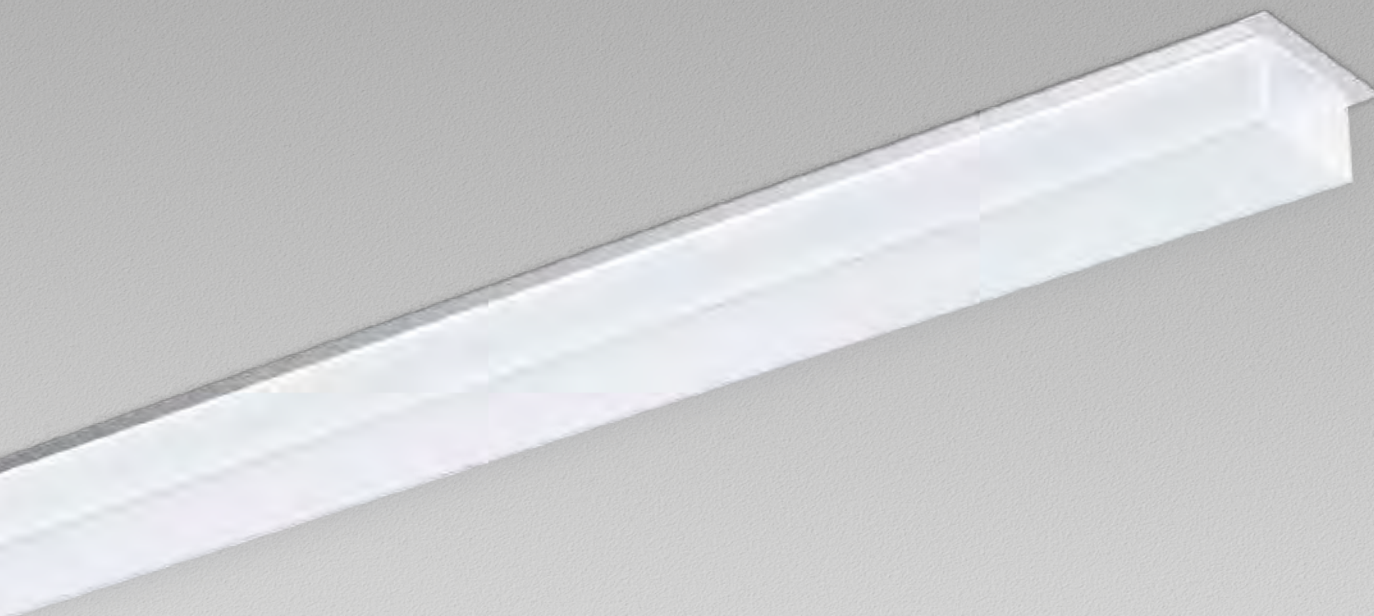
Type	Colour	LED Specification	P _{sys} (W)	ED	DALI	
fino-EK/1100		LED 2400lm 840	24	135 4144 180	135 4146 680	3,7
fino-EK/1400		LED 3000lm 840	30	135 5144 180	135 5146 680	4,6
fino-EK/2200		LED 4800lm 840	48	135 8144 180	135 8146 680	7,4
fino-EK/2800		LED 6000lm 840	60	135 0144 180	135 0146 680	9,2

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

Accessories	Type	Colour	Material	Details	Item-number	
	Tool	SH 55		Polymer	Suction pad for fino-EK pane	903 0055 100
	Wire suspension	fino-ETS Set/Pair		Mix	Wire suspension 2000mm	135 0080 105







fino-EKR

IP20    

Housing

Aluminium profile, natural anodised. For cut-out ceilings.
Fixing via swivel bracket or wire suspension.

Lighting technology -EKR

Direct distribution.

White-opal satin-finished, protruding polycarbonate extruded profile with white reflectors. Rated life time = L80 B10 50.000h.



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

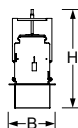
Miscellaneous

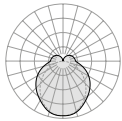


Electrical connection via three-pole or for dimmable luminaires, five-pole feed-in and connection terminal with plug-in technology, with integrated protective earth connection and unlocking button, suitable for rigid and flexible cables up to 2,5mm².




Accessories

fino-ETS optional wire suspension to bare ceiling must be ordered separately.




Type	Ceiling	L	B	H	SL	SB	e
fino-EKR/1200		1201	86	175	1191	77	135
fino-EKR/1500		1501	86	175	1491	77	135



fino-EKR/1500	
3100lm 840	
η_{LB}	100 %
	
Direct	82 %
Indirect	18 %
UGR lat.	21,6
UGR long.	20,1
 	

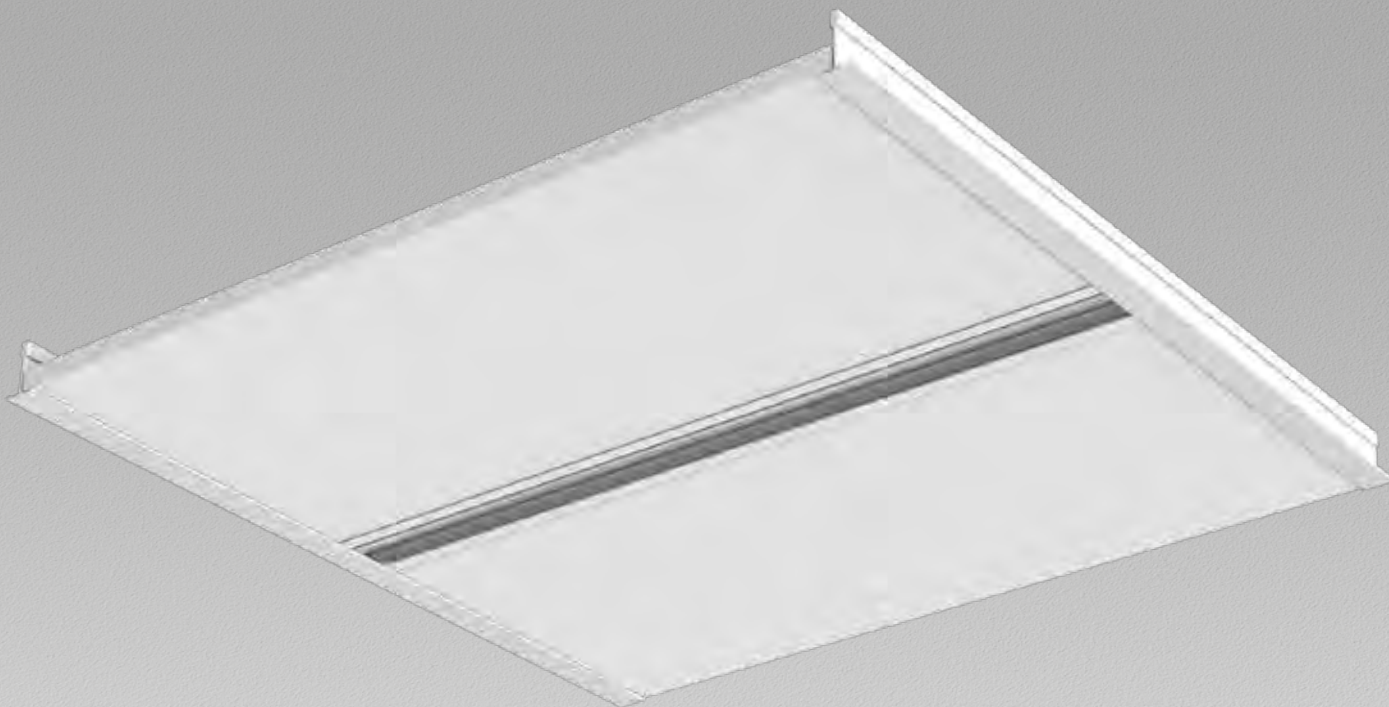
Type	Colour	LED Specification	P _{sys} (W)	ED	DALI	
fino-EKR/1200		LED 2500lm 840	24	135 4144 182	135 4146 682	4,6
fino-EKR/1500		LED 3100lm 840	30	135 5144 182	135 5146 682	5,7

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

Accessories	Type	Colour	Material	Details	Item-number	
	Wire suspension	fino-ETS Set/Pair		Mix	Wire suspension 2000mm	135 0080 105
						0,1







micro-EFAT Wallwasher

IP20     

Housing

Sheet steel, painted traffic white (similar to RAL 9016) for ceilings with visible T-rails 24mm. LED support unit made from aluminium profile, natural anodised.

Lighting technology -EFAT

Direct asymmetrical distribution.



Light distribution via Fresnel-lens made from acrylic.

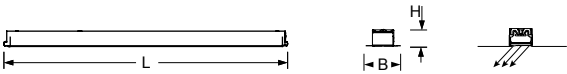
Rated life time = L80 B10 50.000h.

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

Miscellaneous

External supply unit wired ready for operation with luminaire. 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	Ceiling	L	B	H	SB	ML/MB	e
micro-EFAT/625		623	57	27	36	625	60
micro-EFAT/600		598	57	27	36	600	60

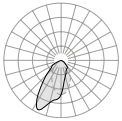


micro-EFAT

1500lm 840

η_{L,B}

100 %



Direct

100 %

Indirect

0 %


UGR lat.

23,3




UGR long.

25,8

A++



micro-EFAT + Driver

Type	Colour	LED Specification	P _{sys} (W)	ED	DALI	 kg
micro-EFAT/625		LED 1500lm 840	14	732 2144 190	732 2146 690	1,5
micro-EFAT/600		LED 1500lm 840	14	733 2144 190	733 2146 690	1,5

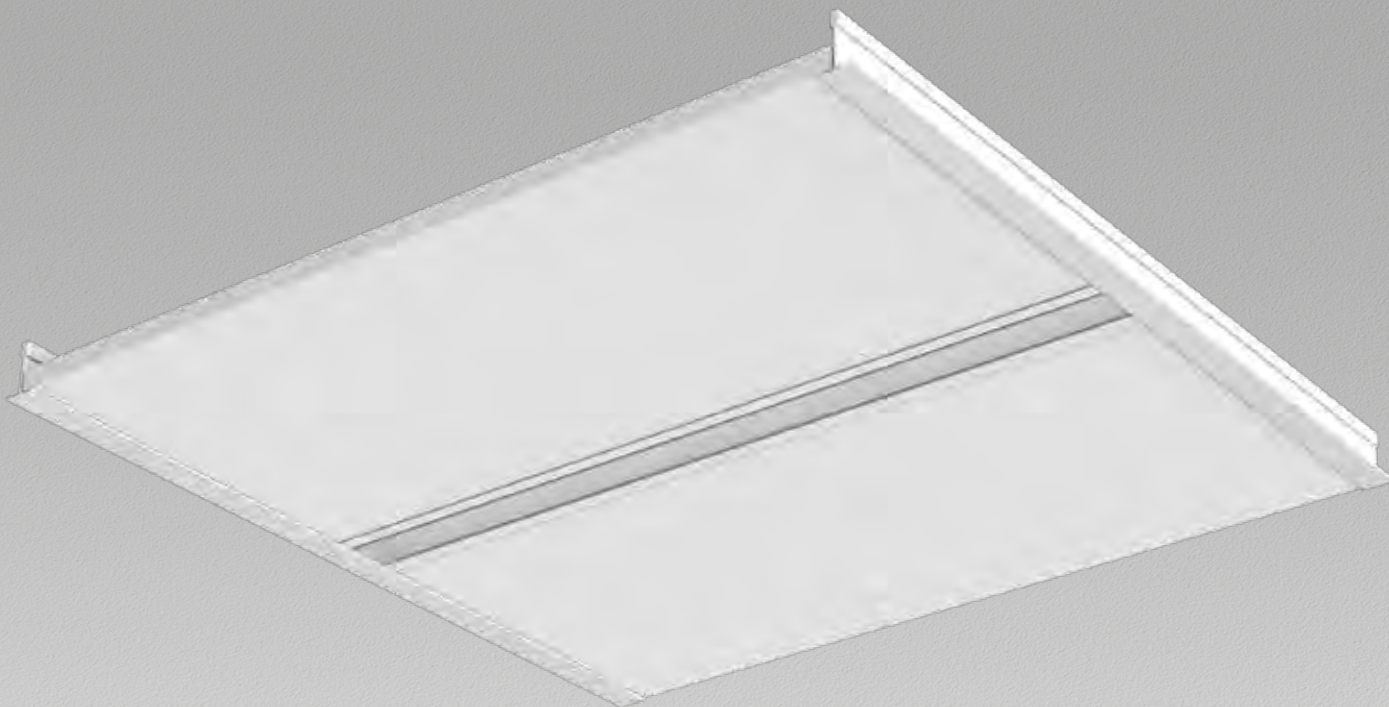
►

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

59







micro-EGT

IP20      

Housing

Sheet steel, painted traffic white (similar to RAL 9016) for ceilings with visible T-rails 24mm. LED support unit made from aluminium profile, natural anodised.

Lighting technology -EGT

Direct symmetrical distribution.



Light distribution via white-opal satin-finished acrylic profile.

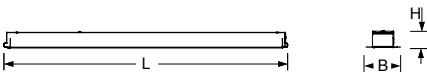
Rated life time = L80 B10 50.000h.

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

Miscellaneous

External supply unit wired ready for operation with luminaire. 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	Ceiling	L	B	H	SB	ML/MB	e
micro-EGT/625		623	57	27	36	625	60
micro-EGT/600		598	57	27	36	600	60

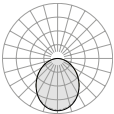


micro-EGT

1800lm 840

η_{L.B}

100 %



Direct

100 %

Indirect

0 %


UGR lat.

27,9

UGR long.




28,2

A++

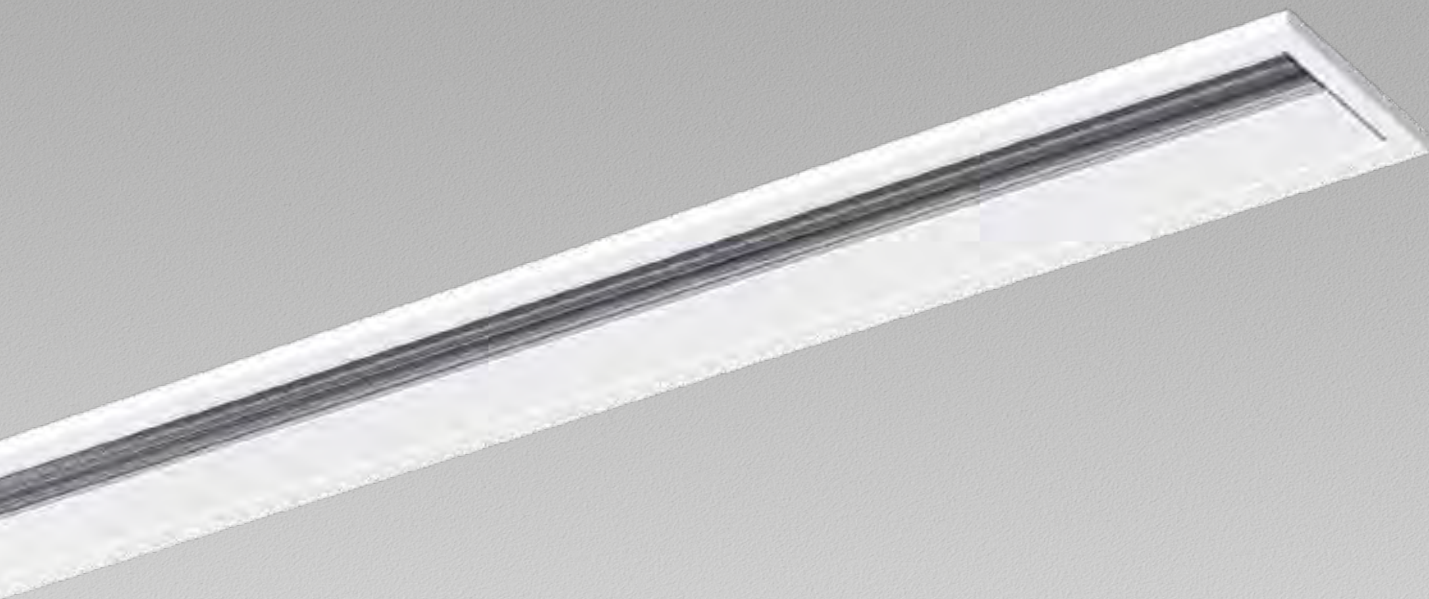


micro-EGT + Driver



Type	Colour	LED Specification	P _{sys} (W)	ED	DALI	
micro-EGT/625		LED 1800lm 840	17	732 2144 180	732 2146 680	1,5
micro-EGT/600		LED 1800lm 840	17	733 2144 180	733 2146 680	1,5

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



micro-EFA Wallwasher IP20

Housing

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

Lighting technology -EFA

Direct asymmetrical distribution.

Light 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

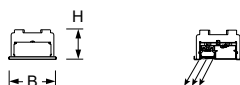
Electrical connection via three-pole or for dimmable luminaires, five-pole feed-in and connection terminal with plug-in technology, with integrated protective earth connection and unlocking button, suitable for rigid and flexible cables up to 2,5mm².

Accessories

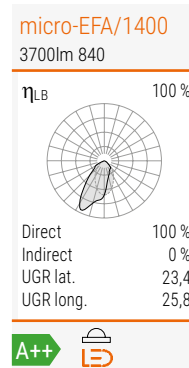
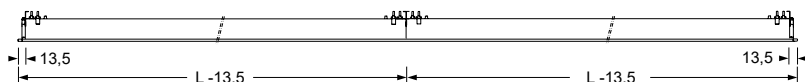
micro-DV through wiring kit for continuous light line installation must be ordered separately.










Type	Ceiling	L	B	H	SL	SB	e
micro-EFA/0800		876	110	57	856	100	60
micro-EFA/1100		1157	110	57	1137	100	60
micro-EFA/1400		1438	110	57	1418	100	60






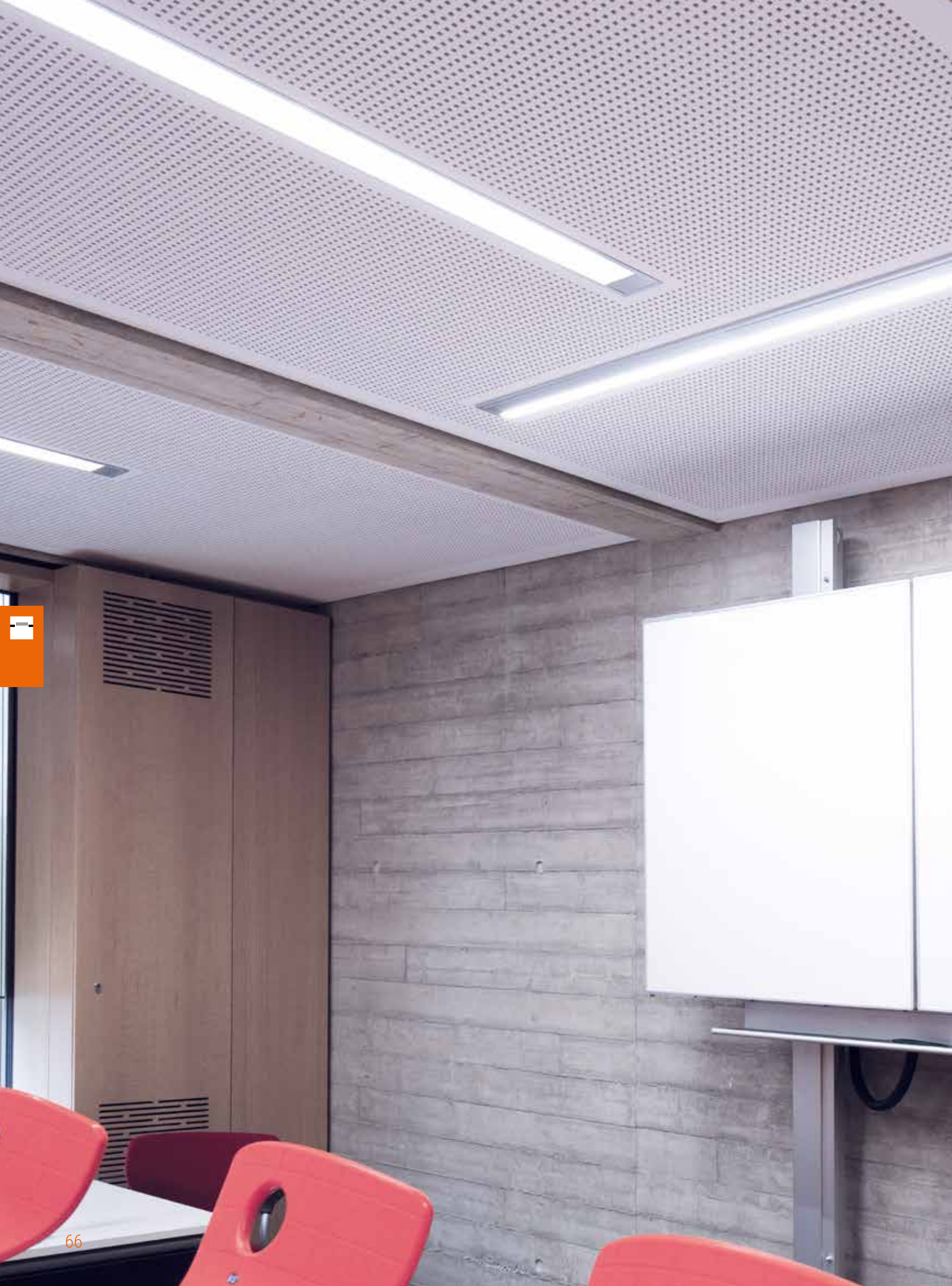
Light line mounting



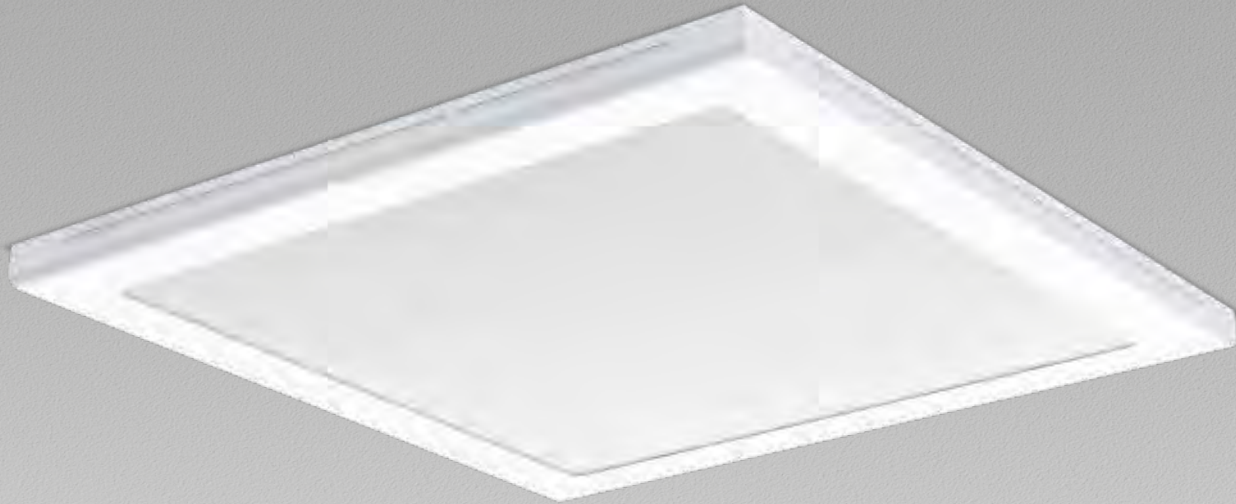
Type	Colour	LED Specification	P _{sys} (W)	ED	DALI	 kg
micro-EFA/0800		LED 2300lm 840	20	731 3144 190	731 3146 690	3,0
		LED 2300lm 840	20	731 3144 196	731 3146 696	3,0
micro-EFA/1100		LED 3000lm 840	27	731 4144 190	731 4146 690	3,8
		LED 3000lm 840	27	731 4144 196	731 4146 696	3,8
micro-EFA/1400		LED 3700lm 840	33	731 5144 190	731 5146 690	4,7
		LED 3700lm 840	33	731 5144 196	731 5146 696	4,7

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

Accessories	Type	Colour	Material	Details	Item-number	 kg
	LED through wiring kit	micro-DV		Mix Through wiring kit 5x1,5 for light-line assembly	531 9000 100	0,2







boks-BOES

IP20     

Housing

Housing and diffuser frame of sheet steel with lateral openings for light emission; for recessed ceilings or ceilings with visible T-rails 24mm or 15mm; diffuser frame painted traffic white (similar to RAL 9016) or white aluminium (similar to RAL 9006).

Lighting technology -BOES

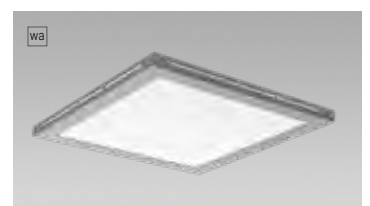
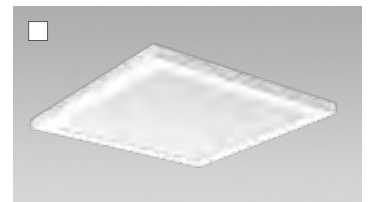
Direct/indirect distribution.



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

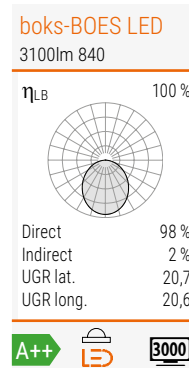
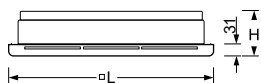
Light colour: 4000K. Optional: 3000K. Other light colours on request.










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.



Type	Ceiling	□ L	H	SL/SB	ML/MB	e
boks-BOES/625		625	138	585	625	120
boks-BOES/600		600	138	578	600	120



Type	Colour	LED Specification	P _{Sys} (W)	ED	DALI	
boks-BOES/625		LED 3100lm 840	26	542 0014 180	542 0016 680	5,0
		LED 3100lm 840	26	542 0014 185	542 0016 685	5,0
		LED 4700lm 840	40	542 0114 180	542 0116 680	5,0
		LED 4700lm 840	40	542 0114 185	542 0116 685	5,0
boks-BOES/600		LED 3100lm 840	26	542 6014 180	542 6016 680	3,6
		LED 3100lm 840	26	542 6014 185	542 6016 685	3,6
		LED 4700lm 840	40	542 6114 180	542 6116 680	3,6
		LED 4700lm 840	40	542 6114 185	542 6116 685	3,6

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







wing-EBK

IP20    

Housing

Sheet steel housing for ceilings with visible T-rails 24mm; painted traffic white (similar to RAL 9016). Version 625x625 using accessories also for cut-out ceilings.

Lighting technology -EBK

Direct distribution.

Rounded secondary reflector with matt white surface and projecting reflector of white opal acrylic.

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.

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.

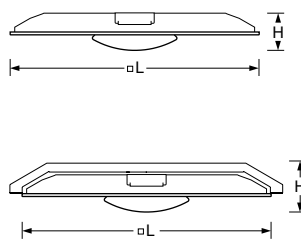
Accessories

wing-ETB mounting stirrup for cut-out ceilings must be ordered separately.

Type	Ceiling	□ L	H	ML/MB	e
wing-EBK/625		622	94	625	200
wing-EBK/600		597	94	600	200

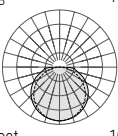
for cut-out ceilings with mounting stirrup set wing-ETB

Typ	Decke	□ L	H	SL	SB	e
wing-EBK + wing-ETB		622	140	610	605	140







wing-EBK
2600lm 840

η_{LB} 100 %



Direct 100 %
Indirect 0 %
UGR lat. 21,1
UGR long. 19,1

A++ 

Type	Colour	LED Specification	P _{sys} (W)	ED	DALI	 kg
wing-EBK/625		LED 2600lm 840	25	507 6044 180	507 6046 680	5
wing-EBK/600		LED 2600lm 840	25	508 6044 180	508 6046 680	4,7

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

Accessories	Type	Material	Details	Item-number	 kg
	Mounting stirrup (Set) wing-ETB (Set) galvanized	steel	Mounting stirrup (Set) for wing 625x625 for cut-out ceilings	507 0002 105	0,8



wing-EBP

IP20    

Housing

Sheet steel housing for ceilings with visible T-rails 24mm; painted traffic white (similar to RAL 9016). Version 625x625 using accessories also for cut-out ceilings.

Lighting technology -EBP

Direct distribution.

Rounded secondary reflector with matt white surface and projecting reflector of transparent acrylic, convex, with inner longitudinal prisms.

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.

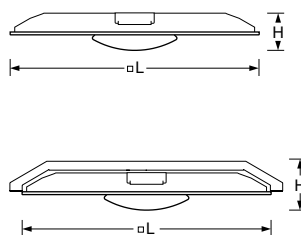
Accessories

wing-ETB mounting stirrup for cut-out ceilings must be ordered separately.

Type	Ceiling	□ L	H	ML/MB	e
wing-EBP/625		622	94	625	200
wing-EBP/600		597	94	600	200

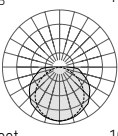
for cut-out ceilings with mounting stirrup set wing-ETB

Type	Ceiling	□ L	H	SL	SB	e
wing-EBP+ wing-ETB		622	140	610	605	140







wing-EBP
3200lm 840

η_{LB} 100 %




Direct 100 %
Indirect 0 %
UGR lat. 21,9
UGR long. 19,8

A++ 

Type	Colour	LED Specification	P _{sys} (W)	ED	DALI	
wing-EBP/625		LED 3200lm 840	25	507 6044 190	507 6046 690	5
wing-EBP/600		LED 3200lm 840	25	508 6044 190	508 6046 690	4,7

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

Accessories	Type	Material	Details	Item-number	
	Mounting stirrup (Set) wing-ETB (Set) galvanized	steel	Mounting stirrup (Set) for wing 625x625 for cut-out ceilings	507 0002 105	0,8







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