

lichtwerk  
inspired by light

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22



## Table structure

The tabular structure enables an overview of the essential features.

### Type

Designation of the luminaire








### LED Specification

Luminous flux lumen (lm)  
Colour rendering index RA  
Colour temperature Kelvin (K)

# NEW

Item-number → the last digit of the article number indicates the housing colour  
543 3044 10... → ...1

Luminaire weight net  
(without packaging)











Type	LED Specification	P <sub>sys</sub> (W)	Driver	Item-number	Colour	Colour	Colour	
Sample luminaire	LED 2400lm 840 LB	20	ED	543 3044 10...	 ...5	 ...1	 ...4	3
	LED 4500lm 840 LB	41	DALI	543 3144 10...	 ...5	 ...1	 ...4	3

P<sub>sys</sub> | Lighting system performance

### Driver

- ED | Electronic Driver, non dimmable
- DALI | Electronic Driver, DALI, dimmable
- DALI DT8 | Electronic Driver, DALI, dimmable, adjustable light colour
- Tast dim | dimmable via push button
- NL-B | Emergency light battery powered

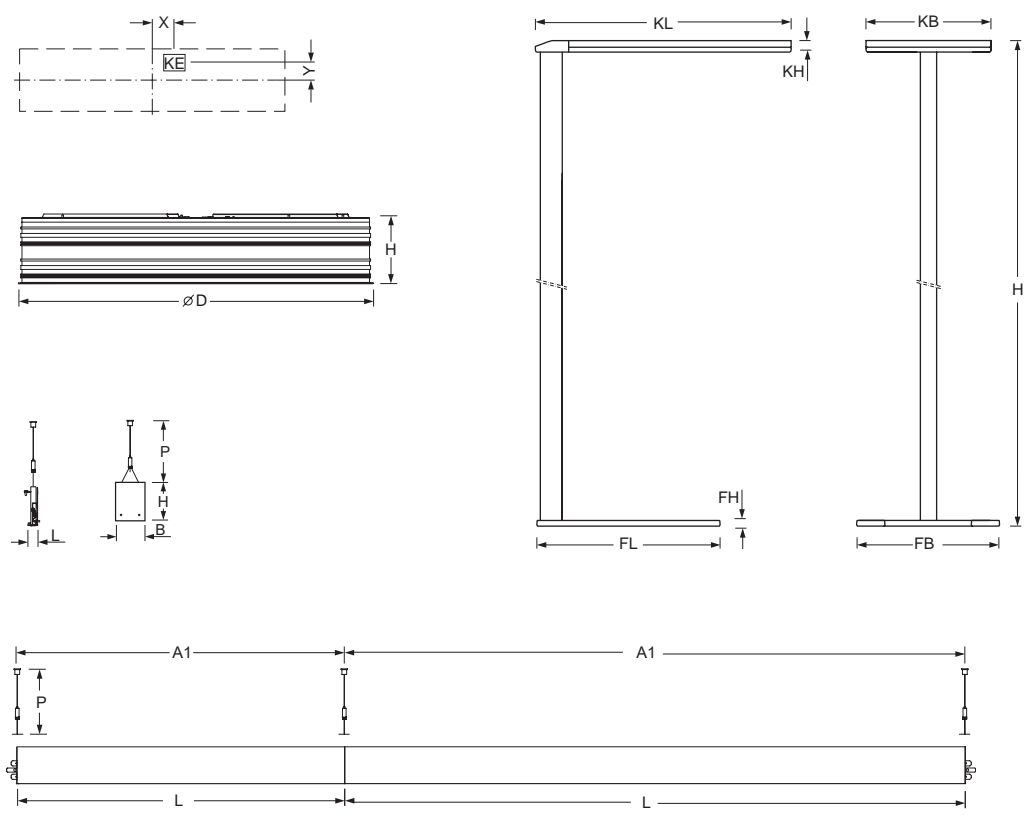
### Colour code/colour

-  | aluminium natural anodized
-  | traffic white (similar RAL 9016)
-  | withe-aluminium (similar RAL 9006)
-  | deep black (similar RAL 9005)
-  | silver grey
-  | stainless steel
-  | chrome
-  | silver
-  | translucent
-  | clear
-  | grit grey



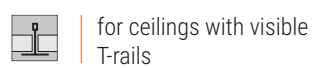
▶ Please refer to the current data for LED luminaires at [www.lichtwerk.de](http://www.lichtwerk.de)












# INDEX



### Definition of measurement table variants

- 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
- 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



- Recessed luminaires 
- Surface mounted luminaires 
- Pendant luminaires 
- Phase-track and luminaires 
- Lighting systems 
- Downlights 
- Wall luminaires Standing luminaires 
- Light furniture 
- Glass luminaires 
- Control Information  





# LIGHTING SYSTEMS

# serio

## serio pendant system P.284

### PROFILE UNITS



serio-HIT LB P. 290  
Profile incl. LED-unit



serio-HITOS P. 292  
Profile incl. integrated micro-cell grid



serio-HITES P. 294  
Profile incl. integrated built-in spotlights

### LIGHTING TECHNOLOGY



serio-G  
Endless-Diffusor

### CORNERPROFILE



serio-HITL/-HITR 90° LB P. 304  
Corner profile 90° incl. LED-unit



serio-HITL/-HITR 135° LB P. 306  
Corner profile 135° incl. LED-unit



serio-HITBL/-HITBR 90° LB P. 308  
Corner profile 90° incl. LED-unit

## serio wall system P.310

### PROFILE UNITS



serio-WITFA LB P. 312  
Profile incl. LED-unit

### LIGHTING TECHNOLOGY



serio-G  
Endless-Diffusor

# INDEX



serio-HITS P. 296  
Profile incl. spotlights



serio-HITD P. 298  
Profile incl. DPSN-phase-track



emphara-EMTT P. 300  
Spotlights for DPSN-phase-track



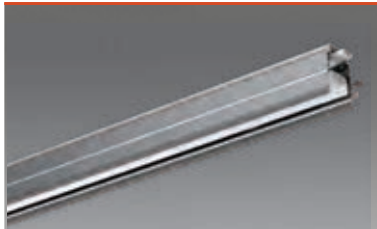
spotty-SYTT P. 302  
Spotlights for DPSN-phase-track



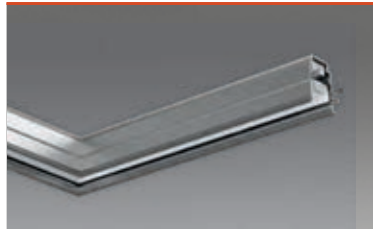


## fino recessed system P.314

PROFILE UNITS



fino-ET LB P. 318  
Profile incl. LED-unit



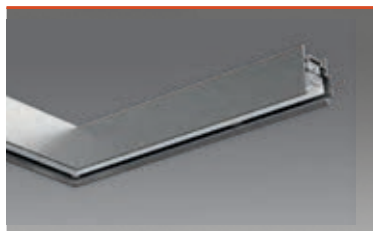
fino-ETL/L / -ETL/R LB P. 320  
Corner profile 90° incl. LED-unit

## fino surface mounted system P.328

PROFILE UNITS



fino-AT LB P. 332  
Profile incl. LED-unit



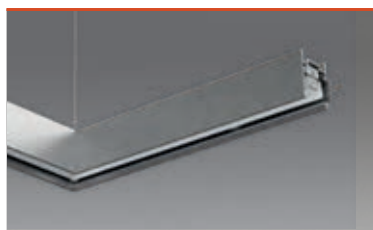
fino-ATL/L / -ATL/R LB P. 334  
Corner profile 90° incl. LED-unit

## fino pendant system P.342

PROFILE UNITS



fino-HT LB P. 346  
Profile incl. LED-unit



fino-HTL/L / -HTL/R LB P. 348  
Corner profile 90° incl. LED-unit

LIGHTING TECHNOLOGY



fino-K P. 322  
white-opal Diffusor



fino-MP P. 324  
microprismatic Diffusor

LIGHTING TECHNOLOGY



fino-K P. 336  
white-opal Diffusor



fino-MP P. 338  
microprismatic Diffusor

LIGHTING TECHNOLOGY



fino-K P. 350  
white-opal Diffusor



fino-MP P. 352  
microprismatic Diffusor

# Controlable pendant system components

## serio pendant system P. 284

PROFILE UNITS



serio-HIT LB P. 290  
Profile incl. LED-unit



serio-HITOS P. 292  
Profile incl. integrated micro-cell grid



serio-HITES P. 294  
Profile incl. integrated built-in spotlights

PROFILE UNITS



serio-HITS P. 296  
Profile incl. spotlights



serio-HITD P. 298  
Profile incl. DPSN-phase-track

CORNERPROFILE



serio-HITL/-HITR 90° LB P. 304  
Corner profile 90° incl. LED-unit



serio-HITL/-HITR 135° LB P. 306  
Corner profile 135° incl. LED-unit



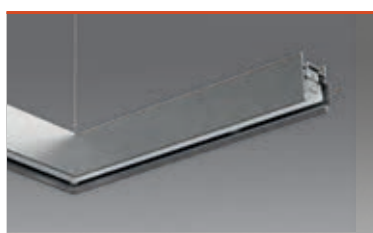
serio-HITBL/-HITBR 90° LB P. 308  
Corner profile 90° incl. LED-unit

## fino pendant system P.342

PROFILE UNITS



fino-HT LB P. 346  
Profile incl. LED-unit



fino-HTL/L / -HTL/R LB P. 348  
Corner profile 90° incl. LED-unit



## LC-canopy SA-PS-Flex for serio-H... + fino-H...

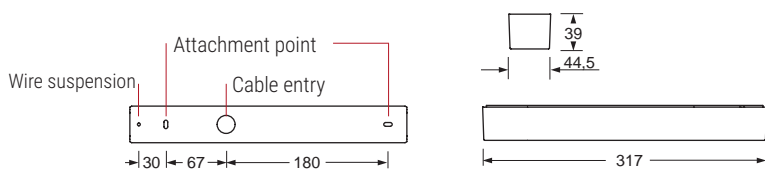


Our DALI pendant system luminaires are Casambi Ready. With our LC canopy it is possible to control pendant lights wireless via app. A conventional control with a switch is always possible too.

### LC-canopy SA-PS-FLEX

Bluetooth 4.0 canopy SA-PS-Flex 10x with integrated Casambi module and power supply for controlling max. 32 DALI luminaires. Different profiles e.g. DT6 or DT8 selectable. Operation via free app and other system components such as switches or pushbutton couplers, see page 456.

Top view of canopy mounting plate



System components	Type	Details	Item-Nr.	Colour	Colour	Colour	kg
LC-canopy	SA-PS-FLEX	SA-PS-FLEX 10x; 2000mm	910 1120 10...	□ ...5	wa] ...1	■ ...4	0,1

► More Control modules see chapter control Page 456.





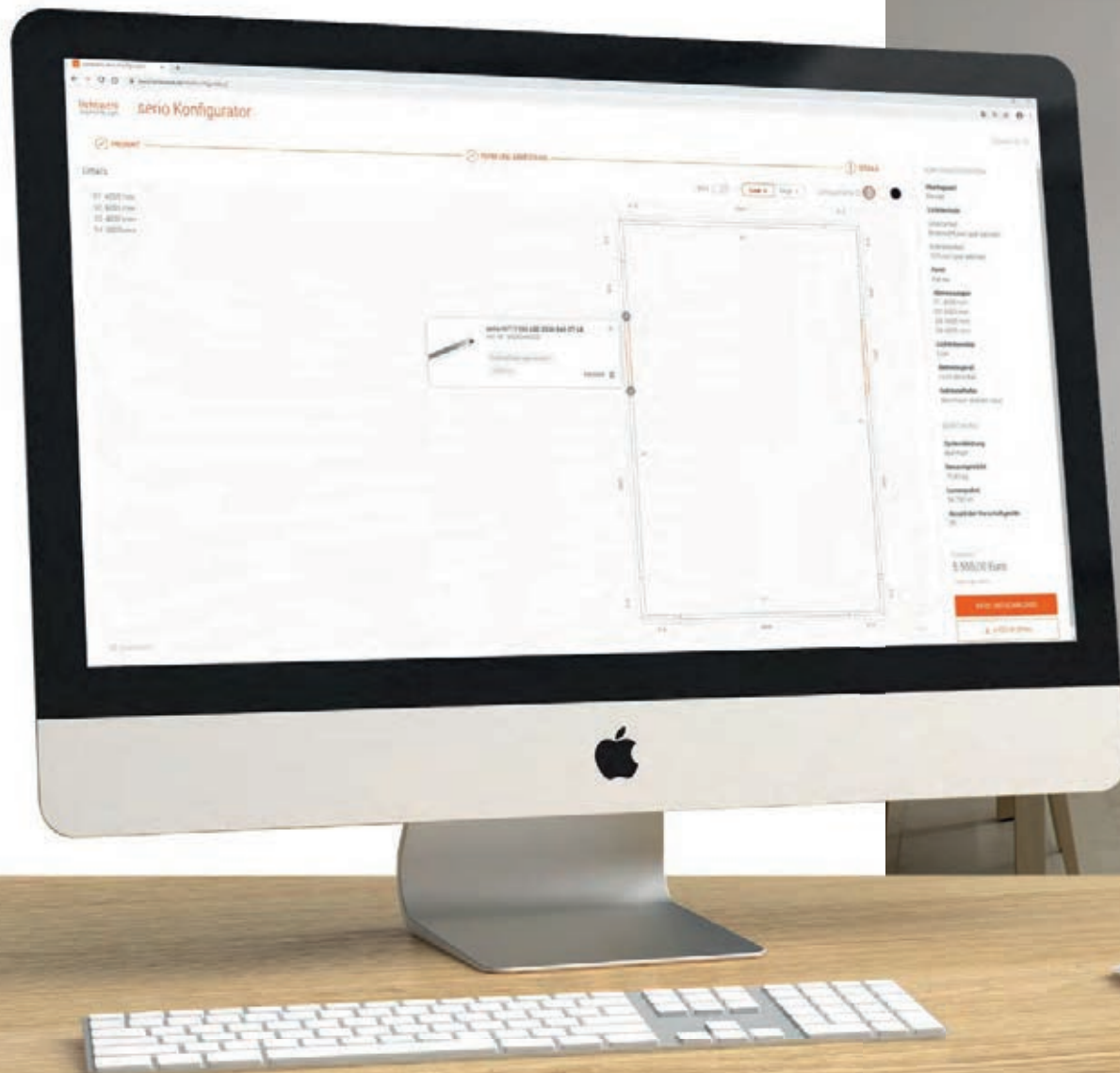
# serio PENDANT SYSTEM

# Configurator

Complex lighting structures  
just in a few steps - give it a try!

On our website [www.lichtwerk.de](http://www.lichtwerk.de) you will find a configuration tool for our serio lighting system. With this, structures can be designed and changed quick and easy. You will also receive a compilation of informations based on your configuration, such as system combination, catalog prices, tender texts, dxf-files, etc.

Take a look and be surprised by the possibilities that serio offers.



serio



[www.lichtwerk.de](http://www.lichtwerk.de)



# serio pendant system

## PROFILE UNITS



serio-HIT LB P. 290  
Profile incl. LED-unit



serio-HITOS P. 292  
Profile incl. integrated micro-cell grid



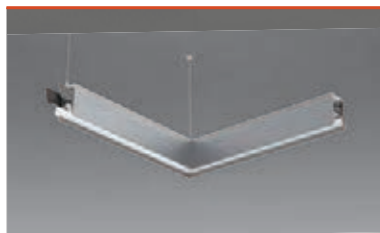
serio-HITES P. 294  
Profile incl. integrated built-in spotlights

## LIGHTING TECHNOLOGY

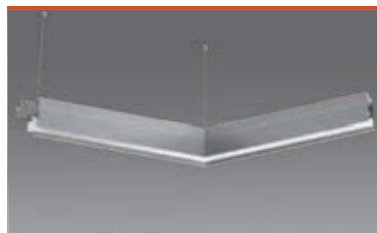


serio-G  
Endless-Diffusor

## CORNER PROFILE



serio-HITL/-HITR 90° LB P. 304  
Corner profile 90° incl. LED-unit



serio-HITL/-HITR 135° LB P. 306  
Corner profile 135° incl. LED-unit



serio-HITBL/-HITBR 90° LB P. 308  
Corner profile 90° incl. LED-unit

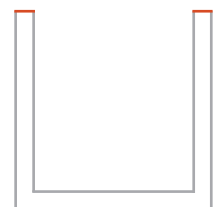
## ACCESSORIES



serio-HITE A/E  
For open lighting system designs

serio-HITE A/E  
For open lighting system designs: face ends incl. suspension, connection cable and ceiling canopy

Example lighting structures:



# INDEX



serio-HITS P. 296  
Profile incl. spotlights



serio-HITD P. 298  
Profile incl. DPSN-phase-track



emphara-EMTT P. 300  
Spotlights for DPSN-phase-track



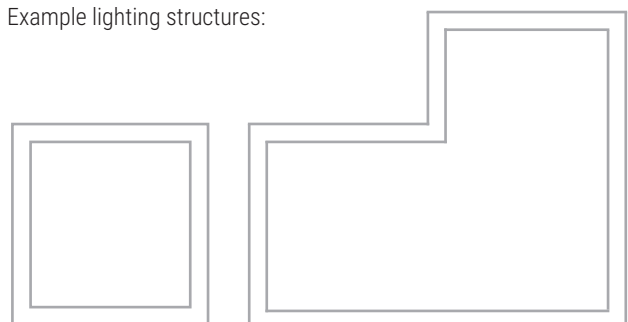
spotty-SYTT P. 302  
Spotlights for DPSN-phase-track



serio-AL  
For closed lighting system designs

serio-AL  
For closed lighting  
system designs:  
connection cable  
and ceiling canopy

Example lighting structures:





## serio-HIT...LB

IP20

System luminaire for endless diffusor serio-G.

### Housing

Aluminium profile, natural anodised, traffic white (similar to RAL 9016) or deep black (similar to RAL 9005). Other housing colours on request.

### Lighting technology

Direct/indirect distribution, DALI variant separately dimmable.

Constant indirect share via white-opal, satin-finished acrylic diffusor throughout all system components.

Direct share via white-opal, satin-finished acrylic endless diffusor serio-G.

Rated life time = L80 B10 50.000h.

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

### Miscellaneous

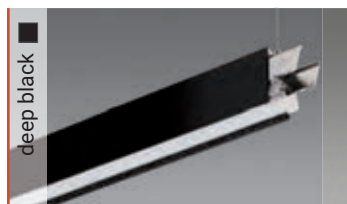
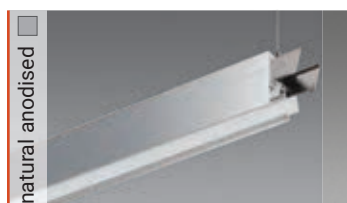
Electrical connection via five-pole feed-in and connection terminal with plug-in technology, with integrated protective earth connection and unlocking button, suitable for rigid and flexible cables up to 2,5mm<sup>2</sup>. Through wiring plug-in system 10A.

### Suspension

For system profile serio-HIT LB one wire suspension is in scope of delivery.

### Accessories

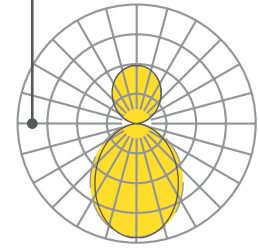
Endless diffusor serio-G for direct share must be ordered separately according to total system length. For open lighting system designs one face-end set serio-HITE A/E, for closed lighting system designs one connection cable serio-AL must be ordered separately.



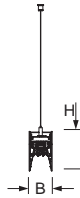
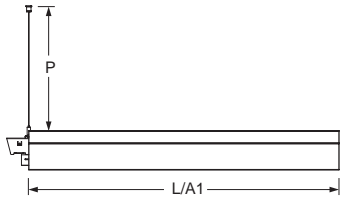
Type	L	B	H	A1	Pmin	Pmax
serio-HIT/0800 LB	845	61	106	845	150	2000
serio-HIT/1100 LB	1125	61	106	1125	150	2000
serio-HIT/1400 LB	1405	61	106	1405	150	2000
serio-HIT/2200 LB	2245	61	106	2245	150	2000
serio-HIT/2800 LB	2805	61	106	2805	150	2000
serio-HITE A/E LB	1	61	106		150	2000

serio-HIT/1400 + serio-G  
7900lm 840

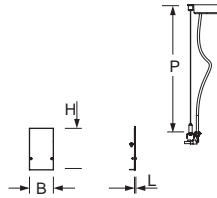
$\eta_{LB}$	
Direct	64 %
Indirect	36 %
UGR lat.	22,1
UGR long.	23,2



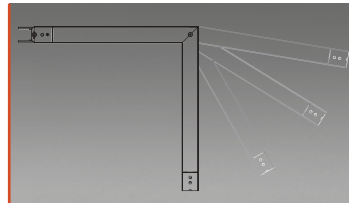
serio-HIT LB



serio-HITE A/E LB



LC-canopies  
see Page 283



Corner profile  
see Page 304

Type	LED Specification	P <sub>sys</sub> (W)	Driver	Item-number	Colour	Colour	Colour	
serio-HIT/0800 LB	LED 2400lm 840	20	ED	543 3044 10...	■ ...5	□ ...1	■ ...4	3
	LED 4600lm 840	41	ED	543 3144 10...	■ ...5	□ ...1	■ ...4	3
serio-HIT/1100 LB	LED 4600lm 840	41	DALI	543 3146 60...	■ ...5	□ ...1	■ ...4	3
	LED 3200lm 840	26	ED	543 4044 10...	■ ...5	□ ...1	■ ...4	4,1
	LED 6200lm 840	55	ED	543 4144 10...	■ ...5	□ ...1	■ ...4	4,1
serio-HIT/1400 LB	LED 6200lm 840	55	DALI	543 4146 60...	■ ...5	□ ...1	■ ...4	4,1
	LED 4100lm 840	34	ED	543 5044 10...	■ ...5	□ ...1	■ ...4	5,3
	LED 7900lm 840	70	ED	543 5144 10...	■ ...5	□ ...1	■ ...4	5,3
serio-HIT/2200 LB	LED 7900lm 840	70	DALI	543 5146 60...	■ ...5	□ ...1	■ ...4	5,3
	LED 6400lm 840	52	ED	543 8044 10...	■ ...5	□ ...1	■ ...4	8
serio-HIT/2800 LB	LED 12500lm 840	110	ED	543 8144 10...	■ ...5	□ ...1	■ ...4	8
	LED 12500lm 840	110	DALI	543 8146 60...	■ ...5	□ ...1	■ ...4	8
	LED 8200lm 840	67	ED	543 0044 10...	■ ...5	□ ...1	■ ...4	10
serio-HIT/2800 LB	LED 15800lm 840	139	ED	543 0144 10...	■ ...5	□ ...1	■ ...4	10
	LED 15800lm 840	139	DALI	543 0146 60...	■ ...5	□ ...1	■ ...4	10

► Please refer to the current data for LED luminaires at [www.lichtwerk.de](http://www.lichtwerk.de)



Accessories	Type	Details	Item-number	Colour	Colour	Colour	
Endless diffusor	serio-G/06000 diffusor	Acrylic endless diffusor 6m	543 0600 180				0,7
	serio-G/10000 diffusor	Acrylic endless diffusor 10m	543 1000 180				1,1
	serio-G/20000 diffusor	Acrylic endless diffusor 20m	543 2000 180				2,2
Face-end set	serio-HITE A/E LB Set 3x0,75	2x face ends, 1x suspension	543 0137 10...	...5	□ ...1	■ ...4	0,4
	serio-HITE A/E LB Set 5x0,75	2x face ends, 1x suspension	543 0157 10...	...5	□ ...1	■ ...4	0,5
Connection cable	serio-AL 3x0,75	1x connection cable 3 pol. incl. ceiling canopy	543 0037 105				0,2
	serio-AL 5x0,75	1x connection cable 5 pol. incl. ceiling canopy	543 0057 105				0,3



## serio-HITOS...LB



 IP20     

System luminaire with integrated micro-cell grid.

### Housing

Aluminium profile, natural anodised. 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 -HITOS

Direct/indirect distribution, DALI variant separately dimmable. Constant indirect share via white-opal, satin-finished acrylic diffusor throughout all system components.

Direct share via integrated micro cell grid.

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

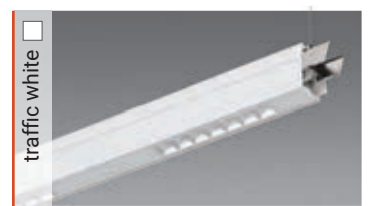
Electrical connection via five-pole feed-in and connection terminal with plug-in technology, with integrated protective earth connection and unlocking button, suitable for rigid and flexible cables up to  $2,5\text{mm}^2$ . Through wiring plug-in system 10A.

### Suspension

For system profile serio-HITOS LB one wire suspension is in scope of delivery. Free height adjustment between 150 and 2000mm.

### Accessories

For open lighting system designs one face-end set serio-HITE A/E, for closed lighting system designs one connection cable serio-AL must be ordered separately.



Type	L	B	H	A1	P <sub>min</sub>	P <sub>max</sub>
serio-HITOS/1100	1125	61	106	1125	150	2000
serio-HITOS/1700	1685	61	106	1685	150	2000
serio-HITOS/2200	2245	61	106	2245	150	2000
serio-HITOS/2800	2805	61	106	2805	150	2000
serio-HITE A/E LB	1	61	106		150	2000

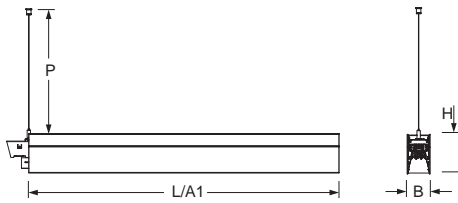
**serio-HITOS/1700**  
6200lm 840

**η<sub>LB</sub> 100 %**

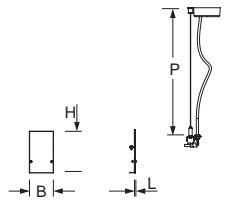
**UGR 19**  
**3000**

Direct 48%  
Indirect 52%  
UGR lat. 12,3  
UGR long. 12,2

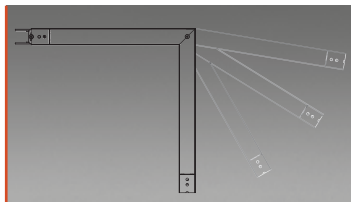
serio-HITOS LB



serio-HITE A/E LB



**LC-canopies**  
see Page 283



**Corner profile**  
see Page 304

Type	LED Specification	P <sub>sys</sub> (W)	Driver	Item-number	Colour	Colour	Colour	
serio-HITOS/1100 LB	LED 2600lm 840	18	ED	547 4044 17...	■ ...5	□ ...1	■ ...4	4,8
	LED 4200lm 840	32	ED	547 4144 17...	■ ...5	□ ...1	■ ...4	4,8
	LED 4200lm 840	32	DALI	547 4146 67...	■ ...5	□ ...1	■ ...4	4,8
serio-HITOS/1700 LB	LED 3800lm 840	26	ED	547 6044 17...	■ ...5	□ ...1	■ ...4	6,7
	LED 6200lm 840	47	ED	547 6144 17...	■ ...5	□ ...1	■ ...4	6,7
	LED 6200lm 840	47	DALI	547 6146 67...	■ ...5	□ ...1	■ ...4	6,7
serio-HITOS/2200 LB	LED 5000lm 840	35	ED	547 8044 17...	■ ...5	□ ...1	■ ...4	8,6
	LED 8400lm 840	63	ED	547 8144 17...	■ ...5	□ ...1	■ ...4	8,6
	LED 8400lm 840	63	DALI	547 8146 67...	■ ...5	□ ...1	■ ...4	8,6
serio-HITOS/2800 LB	LED 6300lm 840	44	ED	547 0044 17...	■ ...5	□ ...1	■ ...4	10,5
	LED 10500lm 840	79	ED	547 0144 17...	■ ...5	□ ...1	■ ...4	10,5
	LED 10500lm 840	79	DALI	547 0146 67...	■ ...5	□ ...1	■ ...4	10,5

► Please refer to the current data for LED luminaires at [www.lichtwerk.de](http://www.lichtwerk.de)



Accessories	Type	Details	Item-number	Colour	Colour	Colour	
Face-end set	serio-HITE A/E LB Set 3x0,75	2x face ends, 1x suspension 1x connection cable 3 pol. incl. ceiling canopy	543 0137 10...	■ ...5	□ ...1	■ ...4	0,4
	serio-HITE A/E LB Set 5x0,75	2x face ends, 1x suspension 1x connection cable 5 pol. incl. ceiling canopy	543 0157 10...	■ ...5	□ ...1	■ ...4	0,5
Connection cable	serio-AL 3x0,75	Connection cable 3 pol. incl. ceiling canopy	543 0037 105				0,2
	serio-AL 5x0,75	Connection cable 5 pol. incl. ceiling canopy	543 0057 105				0,3



## serio-HITES...LB









System luminaire with integrated built-in spotlights.

### Housing

Aluminium profile, natural anodised. 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 -HITES

Direct/indirect distribution, DALI variant separately dimmable. Constant indirect share via white-opal, satin-finished acrylic diffuser throughout all system components. Direct share via integrated built-in spotlights; beam angle 25°. UGR ≤ 19. Rated life time = L80 B10 50.000h. Light colour: 4000K. Optional: 3000K. Other light colours on request.

### Miscellaneous

Electrical connection via 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 2,5mm<sup>2</sup>. Through wiring plug-in system 10A.

### Suspension

For system profile serio-HITES LB one wire suspension is in scope of delivery. Free height adjustment between 150 and 2000mm.

### Accessories

For open lighting system designs one face-end set serio-HITE A/E, for closed lighting system designs one connection cable serio-AL must be ordered separately.

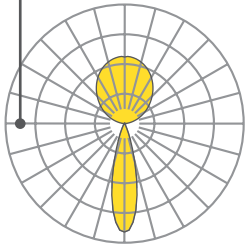


Type	L	B	H	A1	Pmin	Pmax
serio-HITES/1100 LB	1125	61	106	1125	150	2000
serio-HITES/1700 LB	1685	61	106	1685	150	2000
serio-HITE A/E LB	1	61	106		150	2000

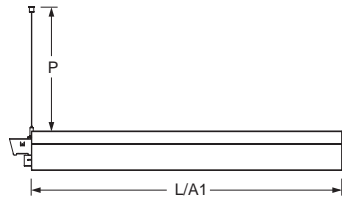
serio-HITES/1100  
2600lm 840

**η<sub>LB</sub>** 100 %

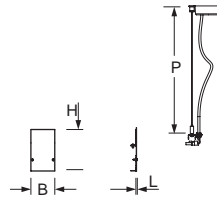
Direct 47 %  
Indirect 53 %  
UGR lat. < 10,0  
UGR long. < 10,0



serio-HITES LB



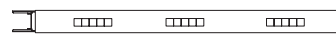
serio-HITE A/E LB



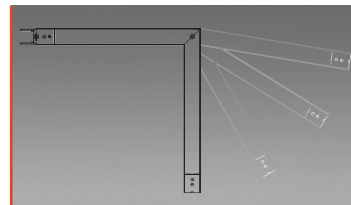
serio-HITES/1100 LB



serio-HITES/1700 LB



LC-canopies  
see Page 283



Corner profile  
see Page 304

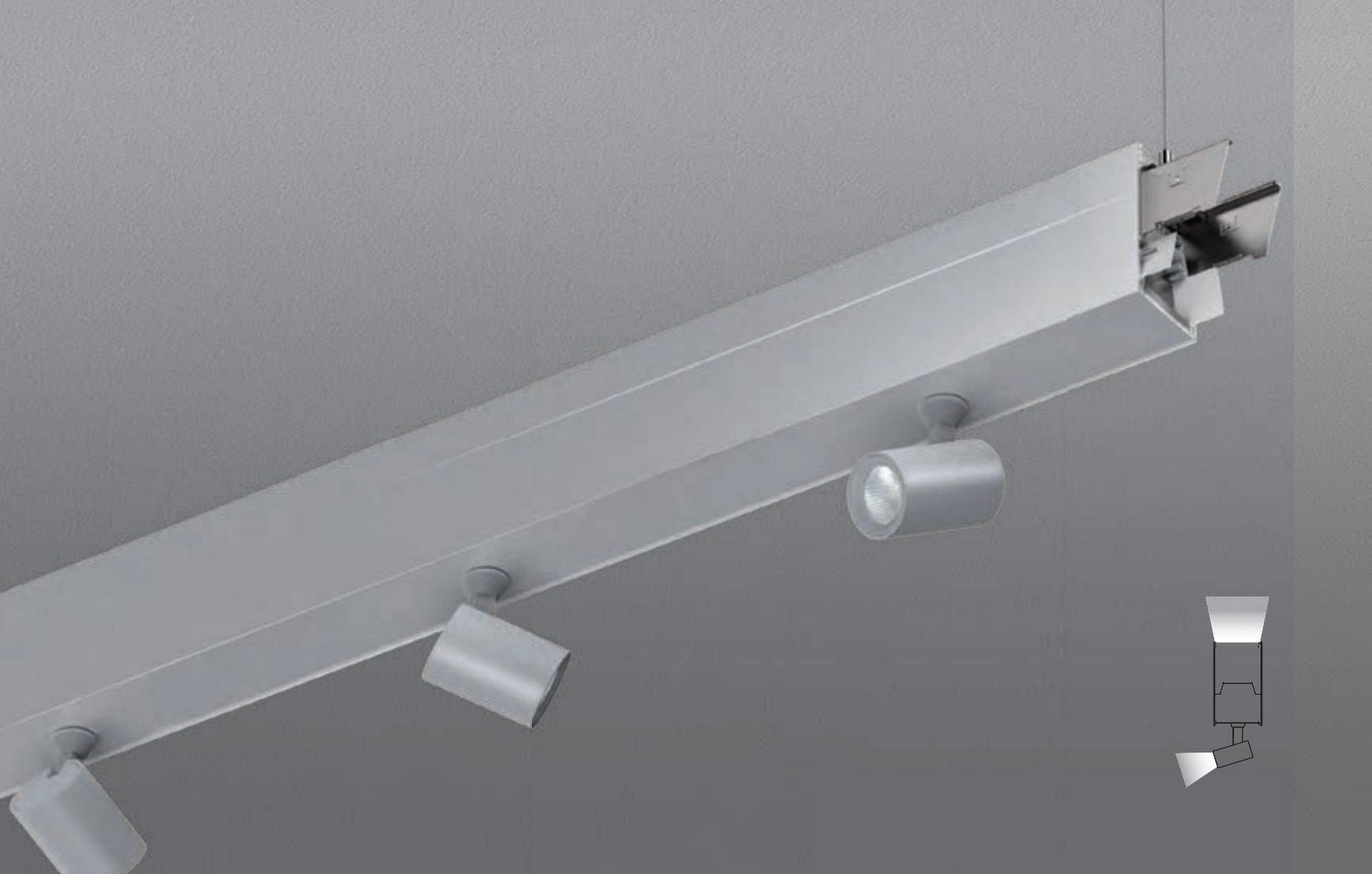
Type	LED Specification	P <sub>sys</sub> (W)	Driver	Item-number	Colour	Colour	Colour	kg
serio-HITES/1100 LB	LED 2600lm 840	24	ED	543 4044 17...	■ ...5	□ ...1	■ ...4	5,1
	LED 3600lm 840	34	ED	543 4144 17...	■ ...5	□ ...1	■ ...4	5,1
	LED 3600lm 840	34	DALI	543 4146 67...	■ ...5	□ ...1	■ ...4	5,1
serio-HITES/1700 LB	LED 3700lm 840	36	ED	543 6044 17...	■ ...5	□ ...1	■ ...4	7,6
	LED 5300lm 840	50	ED	543 6144 17...	■ ...5	□ ...1	■ ...4	7,6
	LED 5300lm 840	50	DALI	543 6146 67...	■ ...5	□ ...1	■ ...4	7,6

► Please refer to the current data for LED luminaires at [www.lichtwerk.de](http://www.lichtwerk.de)



Accessories	Type	Details	Item-number	Colour	Colour	Colour	kg
Face-end set	serio-HITE A/E LB Set 3x0,75	2x face ends, 1x suspension 1x connection cable 3 pol. incl. ceiling canopy	543 0137 10...	■ ...5	□ ...1	■ ...4	0,4
	serio-HITE A/E LB Set 5x0,75	2x face ends, 1x suspension 1x connection cable 5 pol. incl. ceiling canopy	543 0157 10...	■ ...5	□ ...1	■ ...4	0,5
Connection cable	serio-AL 3x0,75	Connection cable 3 pol. incl. ceiling canopy	543 0037 105				0,2
	serio-AL 5x0,75	Connection cable 5 pol. incl. ceiling canopy	543 0057 105				0,3





## serio-HITS...LB









System luminaire with three integrated surface mounted spotlights.

### Housing

Aluminium profile incl. LED-unit for indirect share, natural anodised. Also available in textured paint traffic white (similar to RAL 9016) or deep black (similar to RAL 9005). Other housing colours on request. Three integrated surface mounted spotlights at the bottom of the housing.

### Lighting technology -HITS

Direct/indirect distribution, DALI variant separately dimmable.

Constant indirect share via white-opal, satin-finished acrylic diffuser throughout all system components.

Direct share via three integrated surface mounted spotlights; beam angle 40°.

Rated life time = L80 B10 50.000h.

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

### Miscellaneous

Electrical connection via 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 2,5mm<sup>2</sup>. Through wiring plug-in system 10A.

### Suspension

For system profile serio-HITS LB one wire suspension is in scope of delivery.

Free height adjustment between 150 and 2000mm.

### Accessories

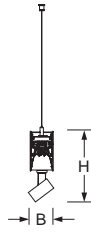
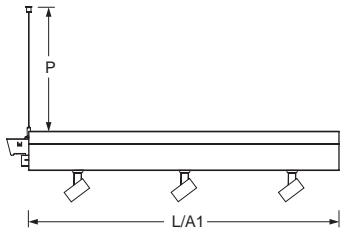
For open lighting system designs one face-end set serio-HITE A/E LB, for closed lighting system designs one connection cable serio-AL must be ordered separately.



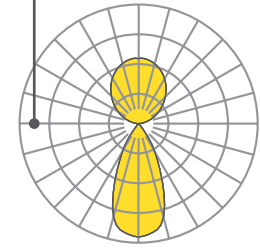
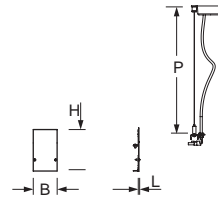
Type	L	B	H	A1	Pmin	Pmax
serio-HITS/0800 LB	845	61	190	845	150	2000
serio-HITE A/E LB	1	61	190		150	2000


serio-HITS/0800	
2500lm 840	
$\eta_{LB}$	100 %
Direct	46 %
Indirect	54 %
UGR lat.	< 10,0
UGR long.	< 10,0

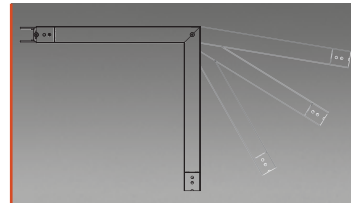
serio-HITS LB













serio-HITE A/E LB



  
**LC-canopies**  
 see Page 283










**Corner profile**  
 see Page 304

Type	LED Specification	P <sub>sys</sub> (W)	Driver	Item-number	Colour	Colour	Colour	
serio-HITS/0800 LB	LED 2500lm 840	24	ED	543 3044 14...	 ...5	 ...1	 ...4	4,0
	LED 3300lm 840	31	ED	543 3144 14...	 ...5	 ...1	 ...4	4,0
	LED 3300lm 840	31	DALI	543 3146 64..	 ...5	 ...1	 ...4	4,0

► Please refer to the current data for LED luminaires at [www.lichtwerk.de](http://www.lichtwerk.de)



Accessories	Type	Details	Item-number	Colour	Colour	Colour	
Face-end set	serio-HITE A/E LB Set 3x0,75	2x face ends, 1x suspension 1x connection cable 3 pol. incl. ceiling canopy	543 0137 10...	 ...5	 ...1	 ...4	0,4
	serio-HITE A/E LB Set 5x0,75	2x face ends, 1x suspension 1x connection cable 5 pol. incl. ceiling canopy	543 0157 10...	 ...5	 ...1	 ...4	0,5
Connection cable	serio-AL 3x0,75	Connection cable 3 pol. incl. ceiling canopy	543 0037 105				0,2
	serio-AL 5x0,75	Connection cable 5 pol. incl. ceiling canopy	543 0057 105				0,3



## serio-HITD...LB








System luminaire with integrated  
DPSN-3-phase-track + DALI.

### Housing

Aluminium profile incl. LED-unit for indirect share, natural anodised, traffic white (similar to RAL 9016) or deep black (similar to RAL 9005). Other housing colours on request. The integrated 3-phase-track + DALI is able to carry emphara or spotty series spotlights. Other standard track lights can also be mounted. 7-pole phase track, 3x 10A/N/PE + DALI. 5 poles usable.

### Lighting technology

Indirect distribution.

Constant indirect share via white-opal, satin-finished acrylic diffuser throughout all system components.

Rated life time = L80 B10 50.000h.

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

### Miscellaneous

Electrical connection via 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 2,5mm<sup>2</sup>. Through wiring plug-in system 10A.

### Suspension

For system profile serio-HITD LB one wire suspension is in scope of delivery.

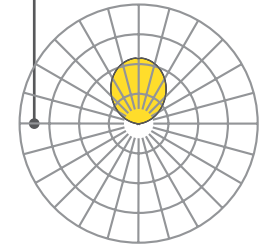
### Accessories

For open lighting system designs the face-end set serio-HITE A/E LB, for closed lighting system designs the connection cable serio-AL must be ordered separately.

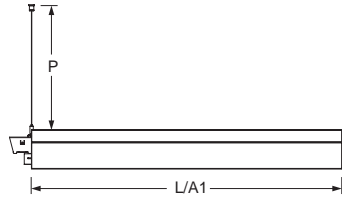


Type	L	B	H	A1	Pmin	Pmax
serio-HITD/0800 LB	845	61	106	845	150	2000
serio-HITD/1100 LB	1125	61	106	1125	150	2000
serio-HITD/1400 LB	1405	61	106	1405	150	2000
serio-HITE A/E LB	1	61	106		150	2000

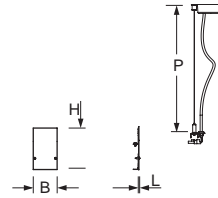
serio-HITD/1400	
2800lm 840	
$\eta_{LB}$	100 %
Direct	0 %
Indirect	100 %



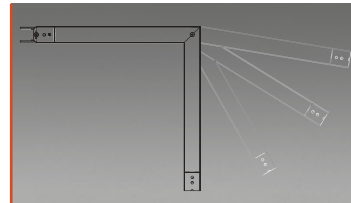
serio-HITD LB



serio-HITE A/E LB



**LC-canopies**  
 see Page 283



**Corner profile**  
 see Page 304

Type	Usable DPSN space	max. number emphara	max. number spotty	max. load
serio-HITD/0800 LB	540mm	2	2	6,8
serio-HITD/1100 LB	820mm	3	3	5,4
serio-HITD/1400 LB	1100mm	3	4	4,0

▶ Don't exceed max. load!

Type	LED Specification	P <sub>sys</sub> (W)	Driver	Item-number	Colour	Colour	Colour	
serio-HITD/0800 LB	LED 900lm 840	7	ED	543 3044 13...	...5	...1	...4	4,2
	LED 1600lm 840	14	ED	543 3144 13...	...5	...1	...4	4,2
	LED 1600lm 840	14	DALI	543 3146 63...	...5	...1	...4	4,2
serio-HITD/1100 LB	LED 1200lm 840	9	ED	543 4044 13...	...5	...1	...4	5,6
	LED 2200lm 840	18	ED	543 4144 13...	...5	...1	...4	5,6
	LED 2200lm 840	18	DALI	543 4146 63..	...5	...1	...4	5,6
serio-HITD/1400 LB	LED 1500lm 840	11	ED	543 5044 13...	...5	...1	...4	7,0
	LED 2800lm 840	23	ED	543 5144 13...	...5	...1	...4	7,0
	LED 2800lm 840	23	DALI	543 5146 63..	...5	...1	...4	7,0

▶ Please refer to the current data for LED luminaires at [www.lichtwerk.de](http://www.lichtwerk.de)



Accessories	Type	Details	Item-number	Colour	Colour	Colour	
Face-end set	serio-HITE A/E LB Set 3x0,75	2x face ends, 1x suspension 1x connection cable 3 pol. incl. ceiling canopy	543 0137 10...	...0	...1	...4	0,4
	serio-HITE A/E LB Set 5x0,75	2x face ends, 1x suspension 1x connection cable 5 pol. incl. ceiling canopy	543 0157 10...	...0	...1	...4	0,5
Connection cable	serio-AL 3x0,75	Connection cable 3 pol. incl. ceiling canopy	543 0037 105				0,2
	serio-AL 5x0,75	Connection cable 5 pol. incl. ceiling canopy	543 0057 105				0,3



## emphara-EMTT

IP20    

### Housing

Phase-track spotlight, can be turned 350° and swiveled 90°. Compact spotlight unit made of die-cast aluminium with driver integrated into hinged arm. Painted silver grey, traffic white or black.

### Lighting technology -EMTT

Direkt narrow distribution.  
Highly specular faceted reflector made of efficient MIRO-SILVER aluminium with reflection coefficient of 99.8%; beam angle 30°; clear safety glass;  
Rated life time = L80 B10 50.000h.  
Light colour: 4000K or 3000K. Other light colours on request.

### Miscellaneous

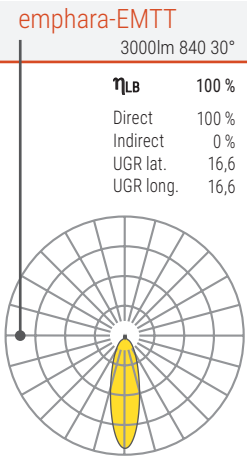
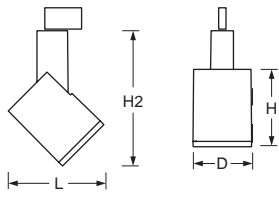
Integrated electronic LED driver; connection via universal 3-phase-track adapter, or for dimmable luminaires via 3-phase DALI adapter for DPSN.

### Accessories

Replacement reflector 40° highly specular faceted or 60° matt segmented must be ordered separately.



Type	L	H	H2	D
emphara-EMTT	180	145	254	110



Type	LED Specification	$\alpha$	P <sub>sys</sub> (W)	Driver	Item-number	Colour	Colour	Colour	kg
emphara-EMTT/110	LED 2900lm 830	30°	25	ED	351 1014 13...	sg ...5	□ ...0	■ ...4	1,2
	LED 2900lm 830	30°	25	DALI	351 1016 63...	sg ...5	□ ...0	■ ...4	1,2
	LED 3900lm 830	30°	36	ED	351 2014 13..	sg ...5	□ ...0	■ ...4	1,2
	LED 3900lm 830	30°	36	DALI	351 2016 63..	sg ...5	□ ...0	■ ...4	1,2
	LED 3000lm 840	30°	25	ED	351 1024 13...	sg ...5	□ ...0	■ ...4	1,2
	LED 3000lm 840	30°	25	DALI	351 1026 63..	sg ...5	□ ...0	■ ...4	1,2
	LED 4100lm 840	30°	36	ED	351 2024 13..	sg ...5	□ ...0	■ ...4	1,2
	LED 4100lm 840	30°	36	DALI	351 2026 63..	sg ...5	□ ...0	■ ...4	1,2

► Please refer to the current data for LED luminaires at [www.lichtwerk.de](http://www.lichtwerk.de)



Accessories	Type	Details	Item-number	Colour	kg
Replacement reflector	40°/D=110	Beam angle 40°, highly specular faceted	350 4014 140	■	0,1
	60°/D=110	Beam angle 60°, matt segmented	350 0004 160	■	0,1



## spotty-SYTT

IP20     

### Housing

Phase-track spotlight, can be turned 350° and swiveled 90°. Increased CRI90. Compact spotlight unit made of die-cast aluminium with thermal separated technology housing. Painted silver grey, traffic white or black.

### Lighting technology -SYTT

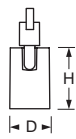
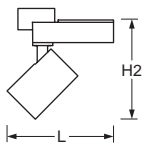
Direct narrow light distribution.  
Light distribution using matt segmented reflector made of highly efficient MIRO-SILVER aluminium with reflection coefficient of 99.8%; Beam angle 36°; clear safety glass;  
Rated life time = L80 B50 50.000h.  
Light colour: 4000K or 3000K. Other light colours on request.

### Miscellaneous

Integrated electronic LED driver; connection via universal 3-phase-track adapter, or for dimmable luminaires via 3-phase DALI adapter for DPSN.



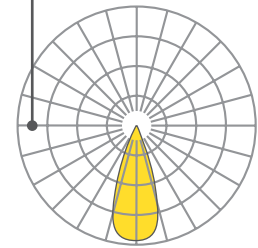
Type	L	H	H2	D
spotty-SYTT	201	114	182	75



### spotty-SYTT

2700lm 940 36°

<b>η<sub>LB</sub></b>	<b>100 %</b>
Direct	100 %
Indirect	0 %
UGR lat.	15,8
UGR long.	15,8



Type	LED Specification	P <sub>sys</sub> (W)	α	Driver	Item-number	Colour	Colour	Colour	kg
spotty-SYTT	LED 2600lm 930	24	36°	ED	359 1014 13...	sq ...5	□ ...0	■ ...4	0,9
	LED 2600lm 930	24	36°	DALI	359 1016 63...	sq ...5	□ ...0	■ ...4	0,9
	LED 2700lm 940	24	36°	ED	359 1024 13...	sq ...5	□ ...0	■ ...4	0,9
	LED 2700lm 940	24	36°	DALI	359 1026 63...	sq ...5	□ ...0	■ ...4	0,9

► Please refer to the current data for LED luminaires at [www.lichtwerk.de](http://www.lichtwerk.de)



serio-HITL 90° LB + serio-G



## serio-HITL/-HITR 90°...LB

📶 📶 IP20 ⚡ ⚠️ ⚙️ CE

System luminaire 90° for endless diffusor serio-G.  
-HITL (left corner) / -HITR (right corner)

### Housing

Aluminium profile formed as 90°-angle, natural anodised, traffic white (similar to RAL 9016) or deep black (similar to RAL 9005). Other housing colours on request.

### Lighting technology

Direct/indirect distribution, DALI Variant separately dimmable.  
Constant indirect share via white-opal, satin-finished acrylic diffusor throughout all system components.

Direct share via white-opal, satin-finished acrylic endless diffusor serio-G.

Rated life time = L80 B10 50.000h.

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

### Miscellaneous

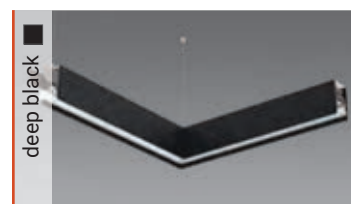
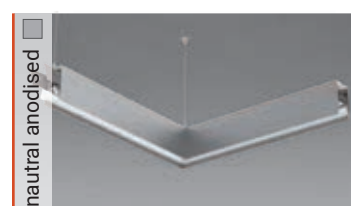
Electrical connection via five-pole feed-in and connection terminal with plug-in technology, with integrated protective earth connection and unlocking button, suitable for rigid and flexible cables up to 2,5mm<sup>2</sup>. Through wiring plug-in system 10A.

### Suspension

For system profile serio-HITL LB or serio-HITR LB two wire suspensions are in scope of delivery.

### Accessories

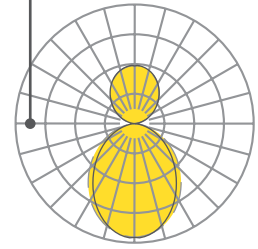
Endless diffusor serio-G for direct share must be ordered separately according to total system length. For open lighting system designs the face-end set serio-HITE A/E LB, or closed lighting system designs the connection cable serio-AL must be ordered separately.



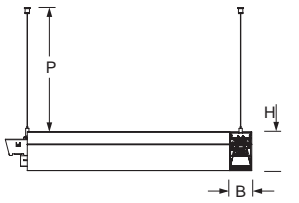
Type	L	B	H	A1	Pmin	Pmax
serio-HITL /0600 LB	615	61	106	585	150	2000
serio-HITR /0600 LB	615	61	106	585	150	2000
serio-HITE A/E LB	1	61	106		150	2000

serio-HITL/0600 90° + serio-G  
6200lm 840

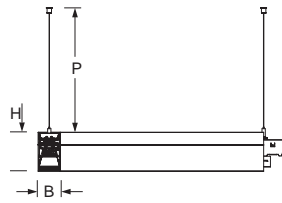
$\eta_{LB}$	100 %
Direct	64 %
Indirect	36 %
UGR lat.	16,5
UGR long.	16,5



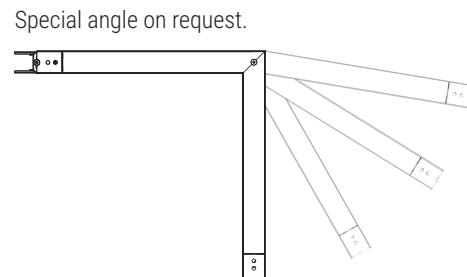
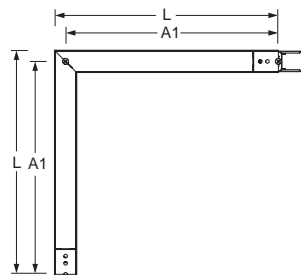
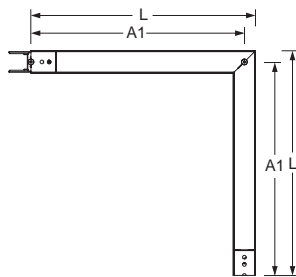
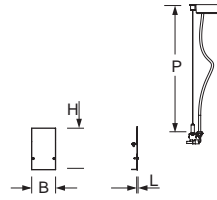
serio-HITL LB



serio-HITR LB



serio-HITE A/E LB



Type	LED Specification	P <sub>sys</sub> (W)	Driver	Item-number	Colour	Colour	Colour	kg
serio-HITL/0600 90°LB	LED 3200lm 840	26	ED	543 4044 12...	■ ...5	□ ...1	■ ...4	4,3
	LED 6200lm 840	55	ED	543 4144 12...	■ ...5	□ ...1	■ ...4	4,3
	LED 6200lm 840	55	DALI	543 4146 62...	■ ...5	□ ...1	■ ...4	4,3
serio-HITR/0600 90°LB	LED 3200lm 840	26	ED	543 4044 11...	■ ...5	□ ...1	■ ...4	4,3
	LED 6200lm 840	55	ED	543 4144 11...	■ ...5	□ ...1	■ ...4	4,3
	LED 6200lm 840	55	DALI	543 4146 61...	■ ...5	□ ...1	■ ...4	4,3

► Please refer to the current data for LED luminaires at [www.lichtwerk.de](http://www.lichtwerk.de)



Accessories	Type	Details	Item-number	Colour	Colour	Colour	kg
Endless diffusor	serio-G/06000 diffusor	Acrylic endless diffusor 6m	543 0600 180	tz			0,7
	serio-G/10000 diffusor	Acrylic endless diffusor 10m	543 1000 180	tz			1,1
	serio-G/20000 diffusor	Acrylic endless diffusor 20m	543 2000 180	tz			2,2
Face-end set	serio-HITE A/E LB Set 3x0,75	2x face ends, 1x suspension 1x connection cable 3 pol. incl. ceiling canopy	543 0137 10...	wa ...5	□ ...1	■ ...4	0,4
	serio-HITE A/E LB Set 5x0,75	2x face ends, 1x suspension 1x connection cable 5 pol. incl. ceiling canopy	543 0157 10...	wa ...5	□ ...1	■ ...4	0,5
Connection cable	serio-AL 3x0,75	Connection cable 3 pol. incl. ceiling canopy	543 0037 105				0,2
	serio-AL 5x0,75	Connection cable 5 pol. incl. ceiling canopy	543 0057 105				0,3

serio-HITL 135° LB + serio-G



## serio-HITL/-HITR 135°...LB

  IP20    

System luminaire 135° for endless diffusor serio-G.  
-HITL (left corner) / -HITR (right corner)

### Housing

Aluminium profile formed as 135°-angle, natural anodised. 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

Direct/indirect distribution, DALI Variant separately dimmable.  
Constant indirect share via white-opal, satin-finished acrylic diffusor throughout all system components.  
Direct share via white-opal, satin-finished acrylic endless diffusor serio-G.  
Rated life time = L80 B10 50.000h.  
Light colour: 4000K. Optional: 3000K. Other light colours on request.

### Miscellaneous

Electrical connection via 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 2,5mm<sup>2</sup>. Through wiring plug-in system 10A.

### Suspension

For system profile serio-HITL LB or serio-HITR LB two wire suspensions are in scope of delivery. Free height adjustment between 150 and 2000mm.

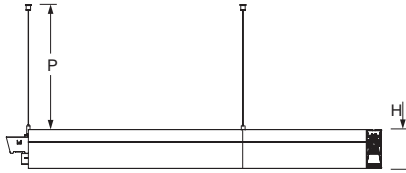
### Accessories

Endless diffusor serio-G for direct share must be ordered separately according to total system length. For open lighting system designs the face-end set serio-HITE A/E LB, for closed lighting system designs the connection cable serio-AL must be ordered separately.

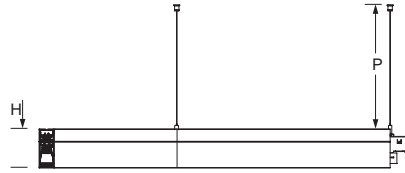


Type	L	B	H	A1	Pmin	Pmax
serio-HITL /0600 135° LB	585	61	106	570	150	2000
serio-HITR /0600 135° LB	585	61	106	570	150	2000
serio-HITE A/E LB	1	61	106		150	2000

serio-HITL 135° LB

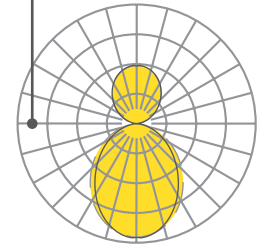


serio-HITR 135° LB

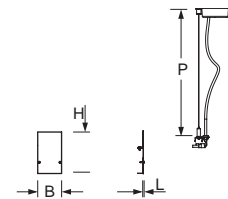
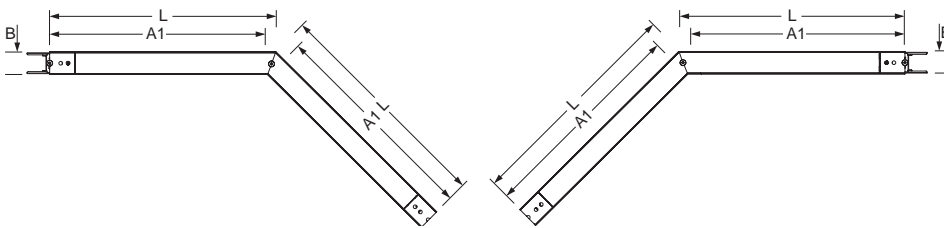


serio-HITL/0600 135°+ serio-G  
6200lm 840

$\eta_{LB}$	100 %
Direct	64 %
Indirect	36 %
UGR lat.	15,9
UGR long.	16,5



serio-HITE A/E LB



Type	LED Specification	P <sub>sys</sub> (W)	Driver	Item-number	Colour	Colour	Colour	
serio-HITL/0600 135° LB	LED 3200lm 840	26	ED	546 4044 12...	■ ...5	□ ...1	■ ...4	4,3
	LED 6200lm 840	55	ED	546 4144 12...	■ ...5	□ ...1	■ ...4	4,3
	LED 6200lm 840	55	DALI	546 4146 62...	■ ...5	□ ...1	■ ...4	4,3
serio-HITR/0600 135° LB	LED 3200lm 840	26	ED	546 4044 11...	■ ...5	□ ...1	■ ...4	4,3
	LED 6200lm 840	55	ED	546 4144 11...	■ ...5	□ ...1	■ ...4	4,3
	LED 6200lm 840	55	DALI	546 4146 61...	■ ...5	□ ...1	■ ...4	4,3

► Please refer to the current data for LED luminaires at [www.lichtwerk.de](http://www.lichtwerk.de)



Accessories	Type	Details	Item-number	Colour	Colour	Colour	
Endless diffusor	serio-G/06000 diffusor	Acrylic endless diffusor 6m	543 0600 180				0,7
	serio-G/10000 diffusor	Acrylic endless diffusor 10m	543 1000 180				1,1
	serio-G/20000 diffusor	Acrylic endless diffusor 20m	543 2000 180				2,2
Face-end set	serio-HITE A/E LB Set 3x0,75	2x face ends, 1x suspension 1x connection cable 3 pol. incl. ceiling canopy	543 0137 10...	...5	□ ...1	■ ...4	0,4
	serio-HITE A/E LB Set 5x0,75	2x face ends, 1x suspension 1x connection cable 5 pol. incl. ceiling canopy	543 0157 10...	...5	□ ...1	■ ...4	0,5
Connection cable	serio-AL 3x0,75	Connection cable 3 pol. incl. ceiling canopy	543 0037 105				0,2
	serio-AL 5x0,75	Connection cable 5 pol. incl. ceiling canopy	543 0057 105				0,3



## serio-HITBL/-HITBR 90°...LB









System luminaire 90° -HITBL (left corner) / -HITBR (right corner).

### Housing

Aluminium profile formed as 90°-angle, natural anodised. Also available in textured paint traffic white (similar to RAL 9016) or deep black (similar to RAL 9005). Other housing colours on request.

### Lichttechnik -HITB

Indirect distribution only.

Constant indirect share via white-opal, satin-finished acrylic diffuser throughout all system components.

Rated life time = L80 B10 50.000h.

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

### Miscellaneous

Electrical connection via 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 2,5mm<sup>2</sup>. Through wiring plug-in system 10A.

### Suspension

For system profile serio-HITBL LB or serio-HITBR LB one wire suspension is in scope of delivery. Free height adjustment between 150 and 2000mm.

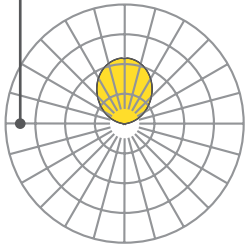
### Accessories

For open lighting system designs the face-end set serio-HITE A/E LB, for closed lighting system designs the connection cable serio-AL must be ordered separately.

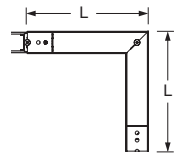
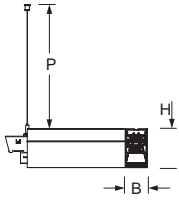


Type	L	B	H	Pmin	Pmax
serio-HITBL /0300 LB	335	61	106	150	2000
serio-HITBR /0300 LB	335	61	106	150	2000
serio-HITE A/E LB	1	61	106	150	2000

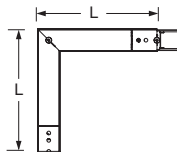
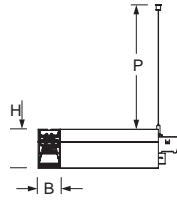
serio-HITBL/0300 90°	
1100lm 840	
$\eta_{LB}$	100 %
Direct	0 %
Indirect	100 %



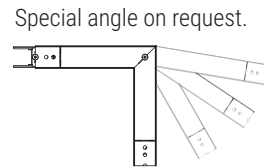
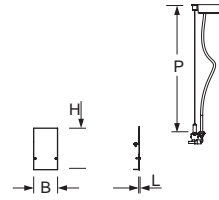
serio-HITBL 90° LB




serio-HITBR 90° LB




serio-HITE A/E LB



Type	LED Specification	P <sub>sys</sub> (W)	Driver	Item-number	Colour	Colour	Colour	
serio-HITBL/0300 90° LB	LED 600lm 840	5	ED	547 2044 12...	■ ...5	□ ...1	■ ...4	2,4
	LED 1100lm 840	9	ED	547 2144 12...	■ ...5	□ ...1	■ ...4	2,4
	LED 1100lm 840	9	DALI	547 2146 62...	■ ...5	□ ...1	■ ...4	2,4
serio-HITBR/0300 90° LB	LED 600lm 840	5	ED	547 2044 11...	■ ...5	□ ...1	■ ...4	2,4
	LED 1100lm 840	9	ED	547 2144 11...	■ ...5	□ ...1	■ ...4	2,4
	LED 1100lm 840	9	DALI	547 2146 61...	■ ...5	□ ...1	■ ...4	2,4

► Please refer to the current data for LED luminaires at [www.lichtwerk.de](http://www.lichtwerk.de)



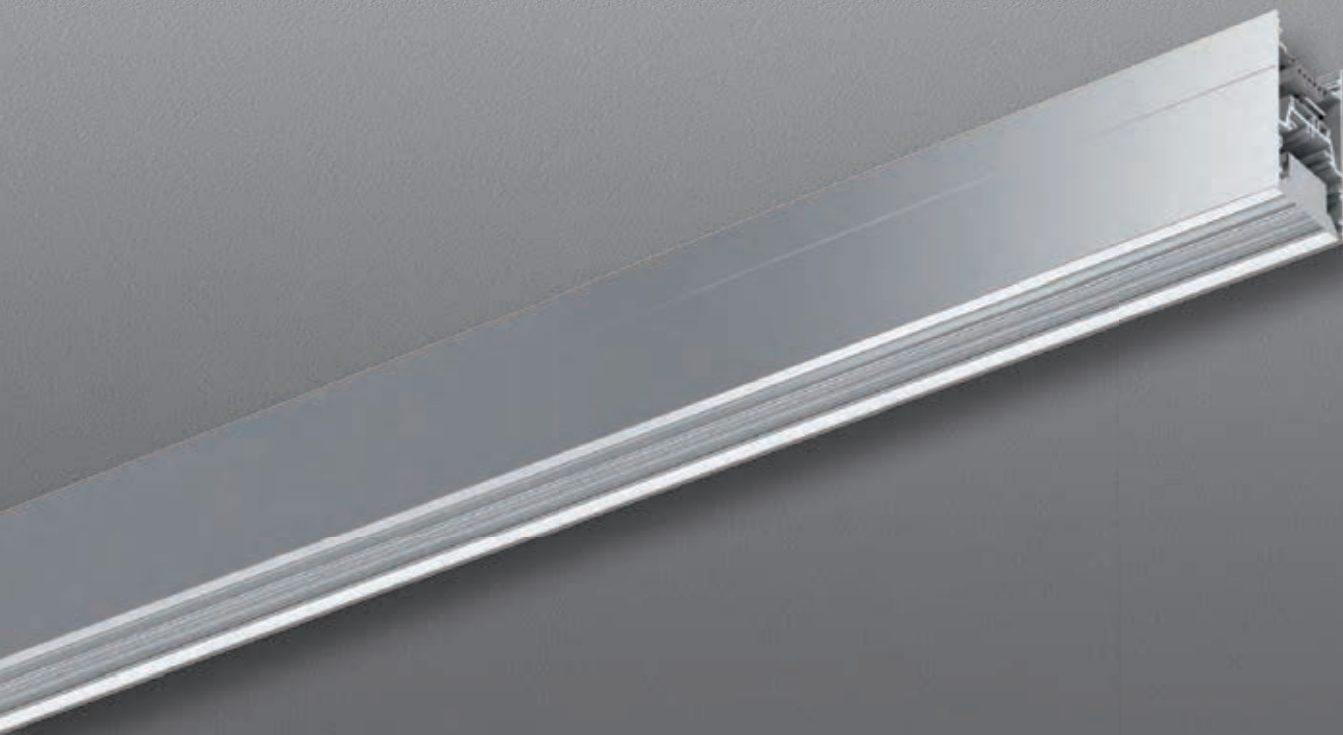
Accessories	Type	Details	Item-number	Colour	Colour	Colour	
Face-end set	serio-HITE A/E LB Set 3x0,75	2x face ends, 1x suspension 1x connection cable 3 pol. incl. ceiling canopy	543 0137 10...	■ ...5	□ ...1	■ ...4	0,4
	serio-HITE A/E LB Set 5x0,75	2x face ends, 1x suspension 1x connection cable 5 pol. incl. ceiling canopy	543 0157 10...	■ ...5	□ ...1	■ ...4	0,5
Connection cable	serio-AL 3x0,75	Connection cable 3 pol. incl. ceiling canopy	543 0037 105				0,2
	serio-AL 5x0,75	Connection cable 5 pol. incl. ceiling canopy	543 0057 105				0,3





# serio WALL SYSTEM





## serio-WITFA...LB

IP20    

### Housing

Aluminium profile, natural anodised. 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 -WITFA

Direct/indirect distribution, DALI variant separately dimmable.  
Direct asymmetric light distribution via Fresnel lens made from acrylic.  
Indirect share via white-opal, satin-finished endless diffusor serio-G.  
Rated life time = L80 B10 50.000h.  
Light colour: 4000K. Optional: 3000K. Other light colours on request.

### Miscellaneous

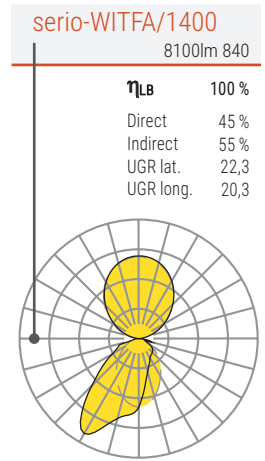
Electrical connection via five-pole feed-in and connection terminal with plug-in technology; with integrated protective earth connection and unlocking button, suitable for rigid and flexible cables up to 2,5mm<sup>2</sup>. 5-pole through wiring plug-in system 10A. Mounting system to compensate uneven surfaces (1-15mm).

### Accessories

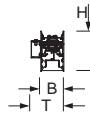
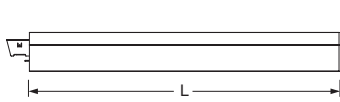
Face ends serio-WITE A/E LB and endless diffusor serio-G for indirect share, must be ordered separately according to total system length.



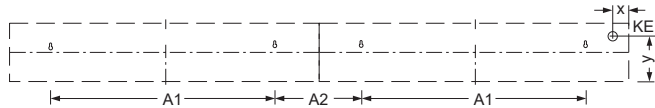
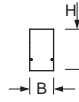
Type	L	B	T	H	A1	A2	X	Y
serio-WITFA/0800 LB	845	61	86	106	610	235	46	72
serio-WITFA/1100 LB	1125	61	86	106	890	235	46	72
serio-WITFA/1400 LB	1405	61	86	106	1170	235	46	72
serio-WITFA/2200 LB	2245	61	86	106	2010	235	46	72
serio-WITFA/2800 LB	2805	61	86	106	2570	235	46	72
serio-WITE A/E LB	1	61		106				



serio-WITFA LB



serio-WITE A/E LB



Type	LED Specification	P <sub>sys</sub> (W)	Driver	Item-number	Colour	Colour	Colour	⊞ kg
serio-WITFA/0800 LB	LED 2400lm 840	19	ED	443 3044 10...	■ ...5	□ ...1	■ ...4	4,3
	LED 4700lm 840	40	ED	443 3144 10...	■ ...5	□ ...1	■ ...4	4,3
	LED 4700lm 840	40	DALI	443 3146 60...	■ ...5	□ ...1	■ ...4	4,3
serio-WITFA/1100 LB	LED 3300lm 840	26	ED	443 4044 10...	■ ...5	□ ...1	■ ...4	5,8
	LED 6300lm 840	54	ED	443 4144 10...	■ ...5	□ ...1	■ ...4	5,8
	LED 6300lm 840	54	DALI	443 4146 60...	■ ...5	□ ...1	■ ...4	5,8
serio-WITFA/1400 LB	LED 4200lm 840	33	ED	443 5044 10...	■ ...5	□ ...1	■ ...4	7
	LED 8100lm 840	69	ED	443 5144 10...	■ ...5	□ ...1	■ ...4	7
	LED 8100lm 840	69	DALI	443 5146 60...	■ ...5	□ ...1	■ ...4	7
serio-WITFA/2200 LB	LED 6500lm 840	51	ED	443 8044 10...	■ ...5	□ ...1	■ ...4	11,4
	LED 12600lm 840	108	ED	443 8144 10...	■ ...5	□ ...1	■ ...4	11,4
	LED 12600lm 840	108	DALI	443 8146 60...	■ ...5	□ ...1	■ ...4	11,4
serio-WITFA/2800 LB	LED 8400lm 840	66	ED	443 0044 10...	■ ...5	□ ...1	■ ...4	13,5
	LED 16200lm 840	139	ED	443 0144 10...	■ ...5	□ ...1	■ ...4	13,5
	LED 16200lm 840	139	DALI	443 0146 60...	■ ...5	□ ...1	■ ...4	13,5

► Please refer to the current data for LED luminaires at [www.lichtwerk.de](http://www.lichtwerk.de)



Accessories	Type	Details	Item-number	Colour	Colour	Colour	⊞ kg
Endless diffusor	serio-G/06000 diffusor	Acrylic endless diffusor 6m	543 0600 180	tz			0,7
	serio-G/10000 diffusor	Acrylic endless diffusor 10m	543 1000 180	tz			1,1
	serio-G/20000 diffusor	Acrylic endless diffusor 20m	543 2000 180	tz			2,2
Face-end set	serio-WITE A/E LB	2x face ends	443 0107 10...	wa ...5	□ ...1	■ ...4	0,2





fino RECESSED SYSTEM

# fino recessed system

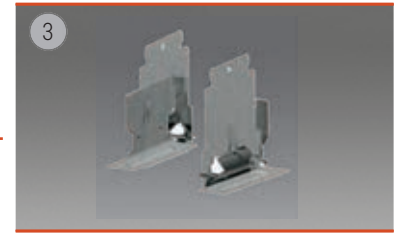
## ACCESSORIES



fino-ETB  
Recessed mounting bracket

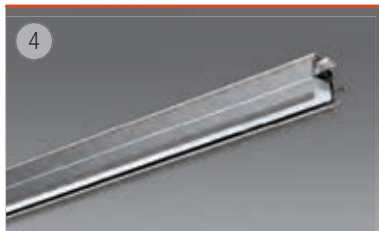


fino-ETS  
Wire suspension

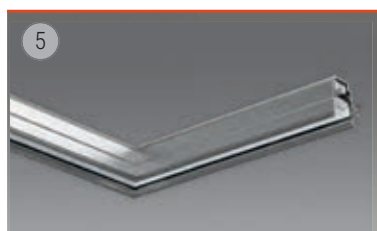


fino-ETE A/E  
Face-end set

## PROFILE UNITS



fino-ET LB P. 318  
Straight profile incl. LED-unit



fino-ETL (L/R) LB P. 320  
Corner profile 90° incl. LED-unit



fino-K LB P. 322  
Straight diffuser, white-opal frosted



fino-KC LB P. 322  
Corner diffuser, white-opal frosted



fino-MP LB P. 324  
Straight diffuser, microprismatic



fino-MPC LB P. 324  
Corner diffuser, microprismatic

## LIGHTING TECHNOLOGY

# INDEX

①



①



②



③



④



⑤



④



⑥



⑦



⑥



⑧

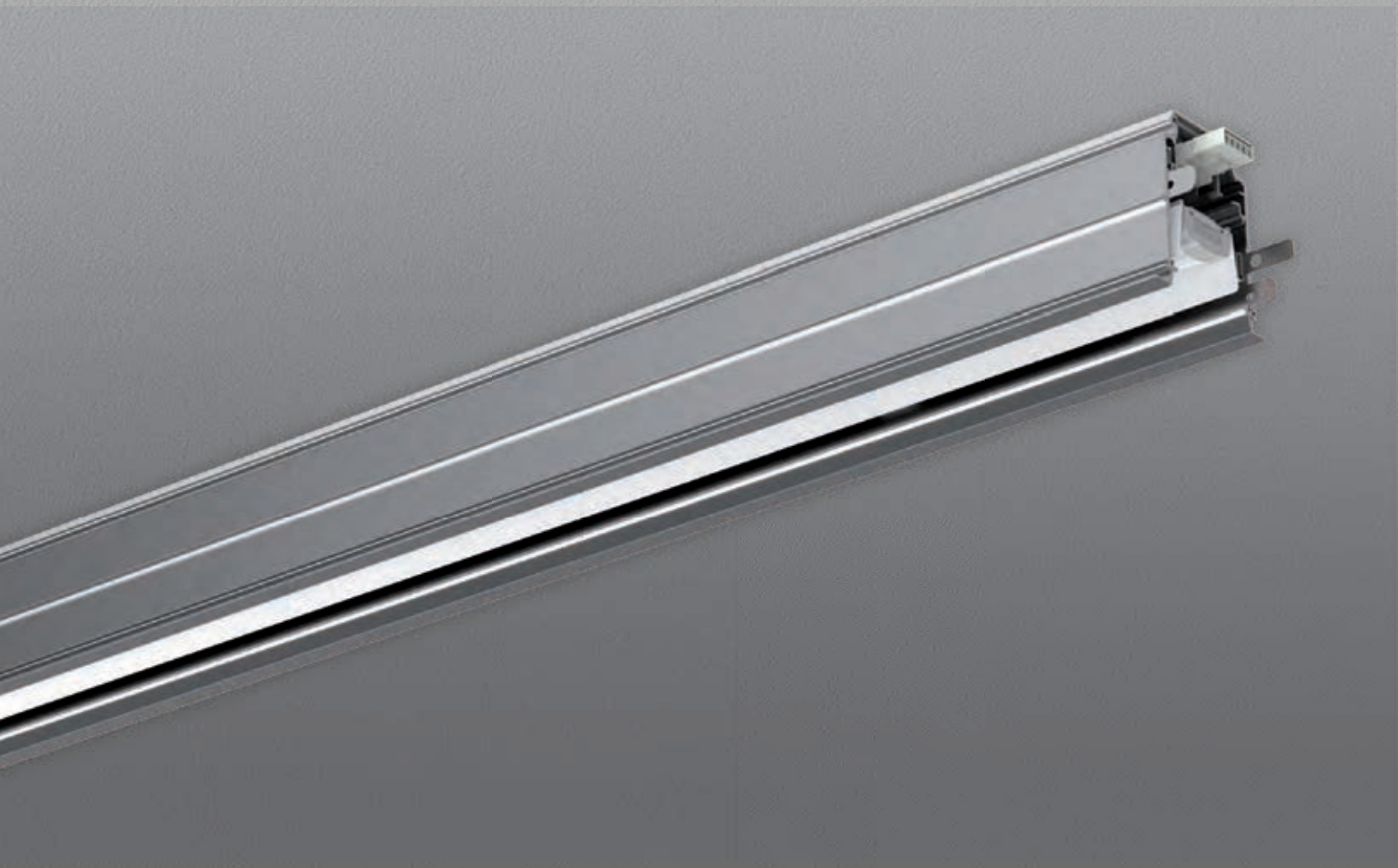


⑨



⑧





## fino-ET...LB

IP20    

Recessed system luminaire.

### Housing

Aluminium profile, natural anodised, with white reflectors, for cut-out ceilings.  
Fixing via swivel bracket or wire suspension. Other housing colours on request.

### Lighting technology







Rated life time = L80 B10 50.000h.  
Light colour: 4000K. Optional: 3000K. Other light colours on request.

### Miscellaneous

Electrical connection via 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 2,5mm<sup>2</sup>. Through wiring plug-in system 10A.

### Accessories

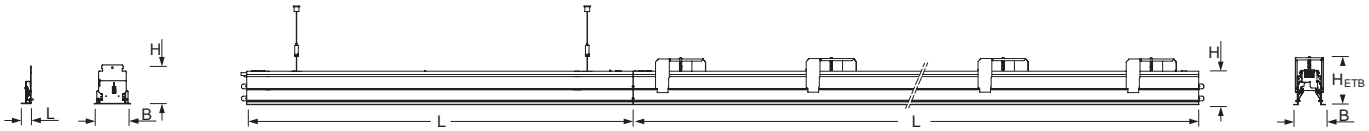
Face-end set fino-EET (K/MP) must be ordered separately.  
One mounting kit fino-ETB or fino-ETS per /1100 resp. /1400, two mounting kits. fino-ETB or fino-ETS per /2200 resp. /2800 must be ordered separately.






















Type	Ceiling	L	B	H	H <sub>ETB</sub>	SL	SB	e <sub>ETB</sub>	DS
fino-ET/0800 LB		848	86	96	130	848	77	135	11-30
fino-ET/1100 LB		1129	86	96	130	1129	77	135	11-30
fino-ET/1400 LB		1410	86	96	130	1410	77	135	11-30
fino-ET/2200 LB		2258	86	96	130	2258	77	135	11-30
fino-ET/2800 LB		2820	86	96	130	2820	77	135	11-30
fino-ETE A/E		24	86	93		19	77		

fino-ETE A/E

fino-ET 1100/1400 LB



fino-ET 2200/2800 LB



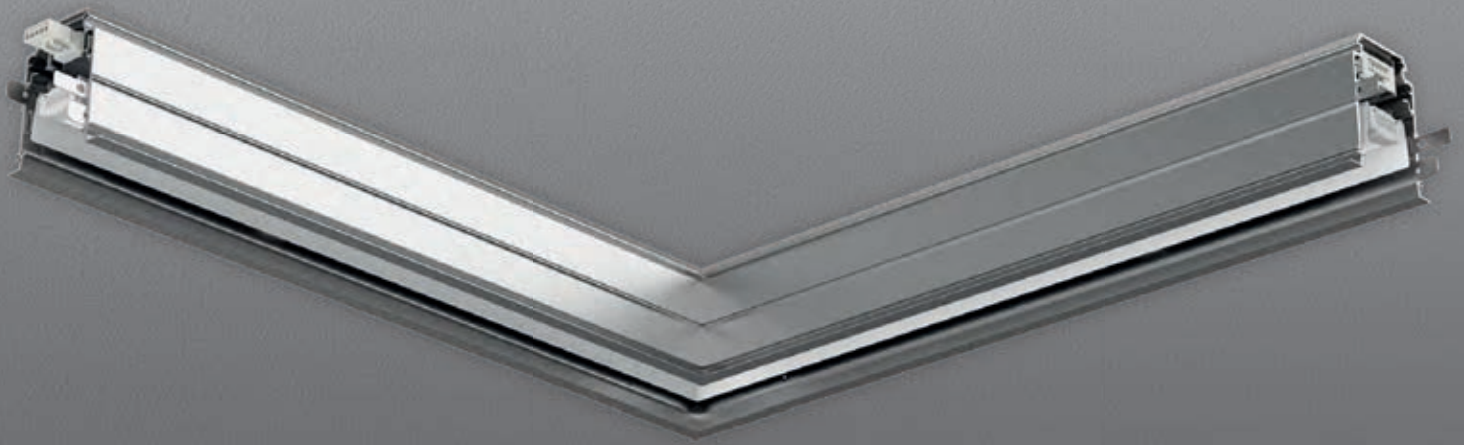
Type	LED Specification	P <sub>sys</sub> (W)	Driver	Item-number	Colour	
fino-ET/0800 LB	LED 1000lm 840	11	ED	135 3044 105		2,4
	LED 1000lm 840	11	DALI	135 3046 605		2,4
	LED 1900lm 840	18	ED	135 3144 105		2,4
	LED 1900lm 840	18	DALI	135 3146 605		2,4
fino-ET/1100 LB	LED 1400lm 840	14	ED	135 4044 105		3,3
	LED 1400lm 840	14	DALI	135 4046 605		3,3
	LED 2500lm 840	24	ED	135 4144 105		3,3
	LED 2500lm 840	24	DALI	135 4146 605		3,3
fino-ET/1400 LB	LED 1700lm 840	16	ED	135 5044 105		4,2
	LED 1700lm 840	16	DALI	135 5046 605		4,2
	LED 3100lm 840	29	ED	135 5144 105		4,2
	LED 3100lm 840	29	DALI	135 5146 605		4,2
fino-ET/2200 LB	LED 2800lm 840	28	ED	135 8044 105		6,6
	LED 2800lm 840	28	DALI	135 8046 605		6,6
	LED 5000lm 840	47	ED	135 8144 105		6,6
	LED 5000lm 840	47	DALI	135 8146 605		6,6
fino-ET/2800 LB	LED 3500lm 840	33	ED	135 0044 105		8,4
	LED 3500lm 840	33	DALI	135 0046 605		8,4
	LED 6300lm 840	59	ED	135 0144 105		8,4
	LED 6300lm 840	59	DALI	135 0146 605		8,4

► Please refer to the current data for LED luminaires at [www.lichtwerk.de](http://www.lichtwerk.de)



Accessories	Type	Details	Item-number	Colour	
Face-end	fino-ETE A/E (K/MP) set/pair	2x face-end for diffuser K and MP	135 0110 105		0,2
Swivel bracket	fino-ETB set/pair	Swivel bracket for fino-ET	135 0002 105		0,3
Wire suspension	fino-ETS set/pair	d=1mm, l=2000mm	135 0080 105		0,1





## fino-ETL/L/-ETL/R 90°...LB

IP20    

Recessed system luminaire 90° -ETL/L (left corner) / -ETL/R (right corner).

### Housing

Aluminium profile formed as 90° angle, natural anodised, with white reflectors, for cut-out ceilings. Fixing via swivel bracket or wire suspension. Other housing colours on request.

### Lighting technology

Rated life time = L80 B10 50.000h.

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



### Miscellaneous

Electrical connection via 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 2,5mm<sup>2</sup>. Through wiring plug-in system 10A.

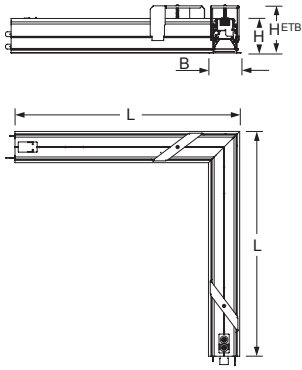
### Accessories

Face-end set fino-EET (K/MP) must be ordered separately.

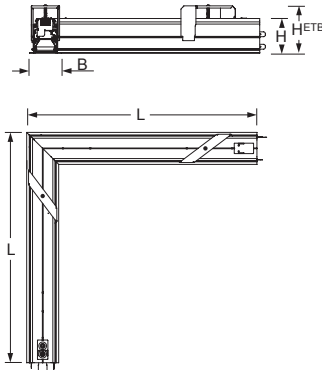
For fino-ETL LB one mounting kit fino-ETB or fino-ETS must be ordered separately.

Type	Ceiling	L	B	H	H <sub>ETB</sub>	SL	SB	e <sub>ETB</sub>	DS
fino-ETL/600 (L/R) LB		619	86	96	130	614x77	614x77	135	11-30
fino-ETE A/E		24	86	93		19	77		

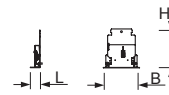
fino-ETL/L LB












fino-ETL/R LB





fino-ETE A/E



Type	LED Specification	P <sub>sys</sub> (W)	Driver	Item-number	Colour	 kg
fino-ETL/L0600 LB	LED 1400lm 840	14	ED	135 4044 125		3,5
	LED 1400lm 840	14	DALI	135 4046 625		3,5
	LED 2500lm 840	24	ED	135 4144 125		3,5
	LED 2500lm 840	24	DALI	135 4146 625		3,5
fino-ETL/R0600 LB	LED 1400lm 840	14	ED	135 4044 115		3,5
	LED 1400lm 840	14	DALI	135 4046 615		3,5
	LED 2500lm 840	24	ED	135 4144 115		3,5
	LED 2500lm 840	24	DALI	135 4146 615		3,5

► Please refer to the current data for LED luminaires at [www.lichtwerk.de](http://www.lichtwerk.de)



Accessories	Type	Details	Item-number	Colour	 kg
Face-end	fino-ETE A/E (K/MP) set/pair	2x face-end for diffuser K and MP	135 0110 105		0,2
Swivel bracket	fino-ETB set/pair	Swivel bracket for fino-ET	135 0002 105		0,3
Wire suspension	fino-ETS set/pair	d=1mm, l=2000mm	135 0080 105		0,1

fino-ET LB + fino-K LB



## Diffusor K/KC

- K for straight luminaires.
- KC (set) mitre cut for illuminated corners.

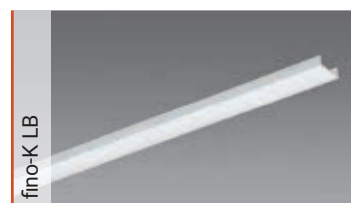
### Lighting technology -K/-KC

Flush with ceiling, white-opal frosted, extruded profile made from polycarbonate; self-engaging.

### Accessories

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

IP20   



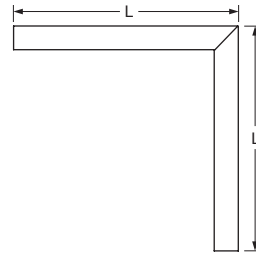
Type	L	B	H
fino-K/0800 LB	848	56	16
fino-K/1100 LB	1129	56	16
fino-K/1400 LB	1410	56	16
fino-K/2200 LB	2258	56	16
fino-K/2800 LB	2820	56	16

Type	L	B	H
fino-KC/0600 LB	604	56	16

fino-K LB



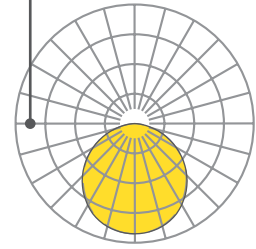
fino-KC LB










fino-ET/1400 + fino-K



3000lm 840

$\eta_{LB}$	100 %
Direct	100 %
Indirect	0 %
UGR lat.	24,7
UGR long.	24,7

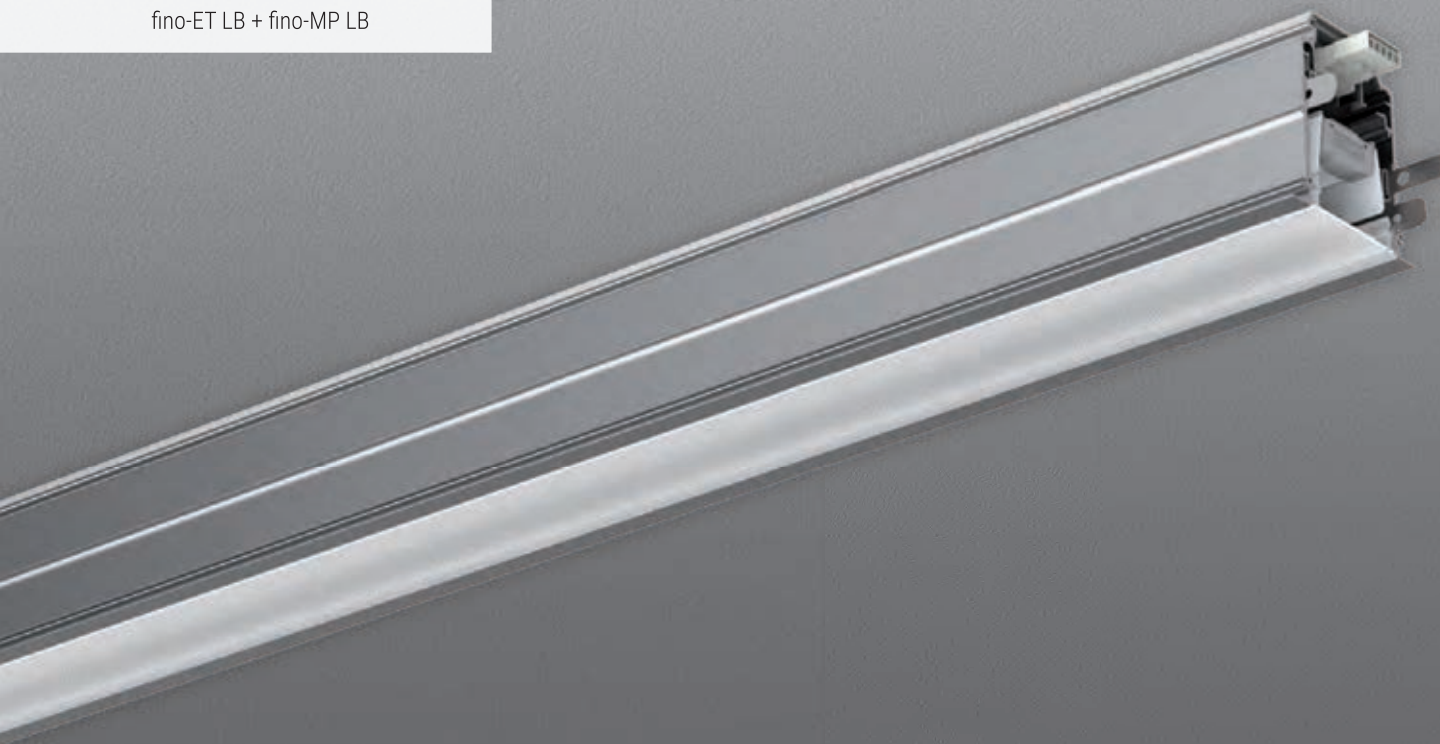


Diffusor	Detail	Type	Item-number	Colour	
Diffusor -K LB Straight unit	fino-K LB for fino-ET LB	fino-K/0800 LB	135 0800 180		0,2
		fino-K/1100 LB	135 1100 180		0,2
		fino-K/1400 LB	135 1400 180		0,3
		fino-K/2200 LB	135 2200 180		0,4
		fino-K/2800 LB	135 2800 180		0,5
Diffusor -KC LB Corner unit	fino-KC LB for fino-ETL/L LB + fino-ETL/R LB	fino-KC/0600 LB	135 0600 180		0,2

► Please refer to the current data for LED luminaires at [www.lichtwerk.de](http://www.lichtwerk.de)

Accessories	Type	Details	Item-number	Colour	
Suction pad	SH 55	Suction pad for fino diffusor	903 0055 100		0,1

fino-ET LB + fino-MP LB



## Diffusor MP/MPC

IP20   

- MP for straight luminaires.
- MPC (set) mitre cut for illuminated corners.

### Lighting technology -MP/-MPC

Translucent polycarbonate extruded profile, flush with ceiling, with inserted microprismatic diffusor; self-engaging.

### Accessories

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



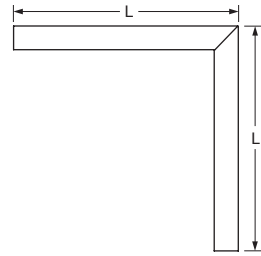
Type	L	B	H
fino-MP/0800 LB	848	56	16
fino-MP/1100 LB	1129	56	16
fino-MP/1400 LB	1410	56	16
fino-MP/2200 LB	2258	56	16
fino-MP/2800 LB	2820	56	16

Type	L	B	H
fino-MPC/0600 LB	604	56	16

fino-MP LB



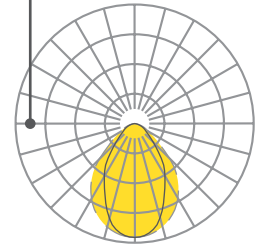
fino-MPC LB










fino-ET/1400 + fino-MP



3500lm 840

$\eta_{LB}$	100 %
Direct	100 %
Indirect	0 %
UGR lat.	19,7
UGR long.	21,5

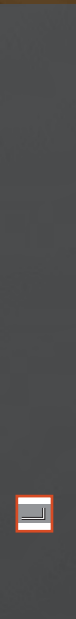
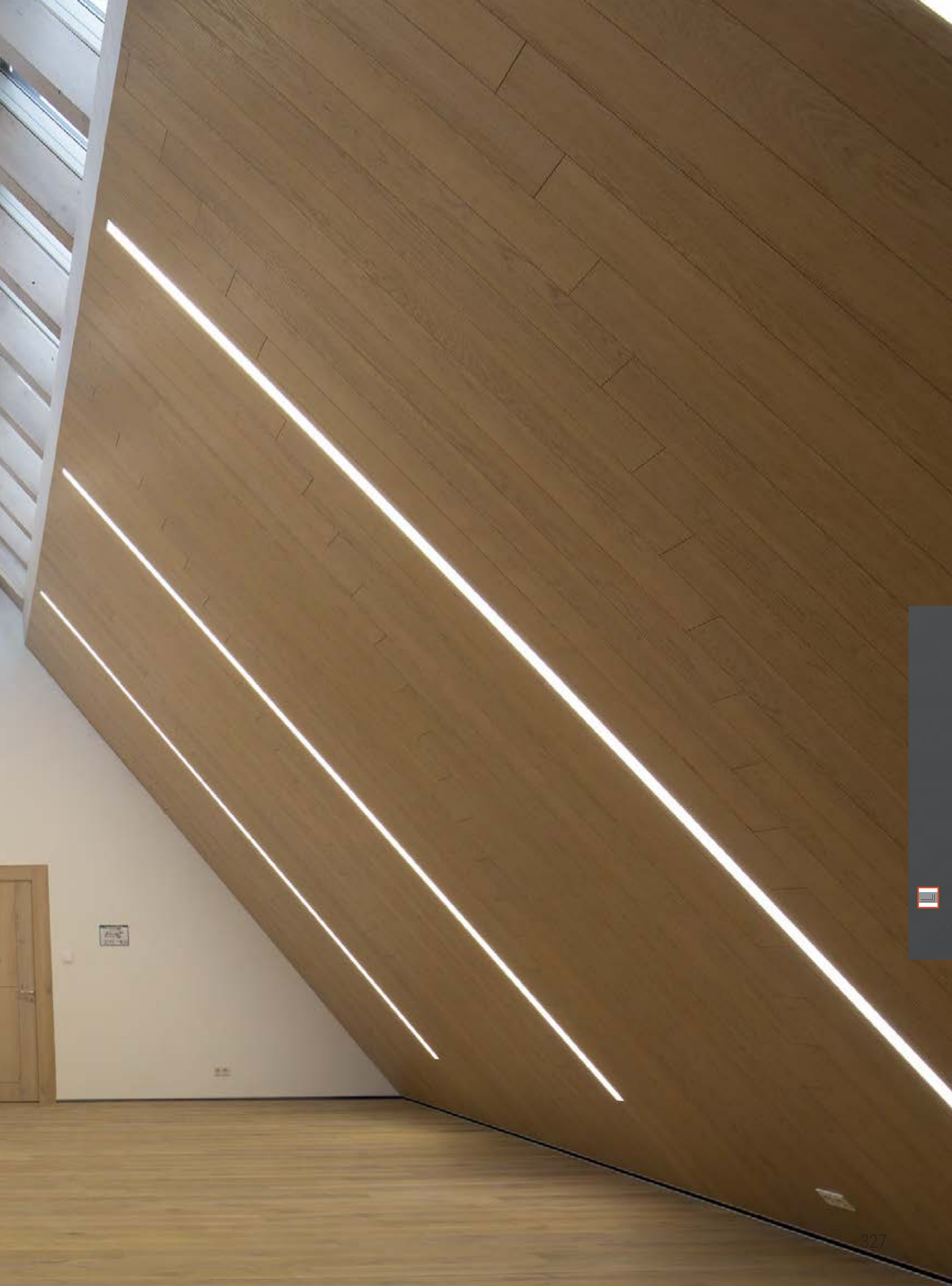


Diffusor	Detail	Type	Item-number	Colour	
Diffusor -MP LB Straight unit	fino-MP LB for fino-ET LB	fino-MP/0800 LB	135 0800 150		0,3
		fino-MP/1100 LB	135 1100 150		0,3
		fino-MP/1400 LB	135 1400 150		0,4
		fino-MP/2200 LB	135 2200 150		0,6
		fino-MP/2800 LB	135 2800 150		0,8
Diffusor -MPC LB Corner unit	fino-MPC LB for fino-ETL/R LB + fino-ETL/L LB	fino-MPC/0600 LB	135 0600 150		0,3

► Please refer to the current data for LED luminaires at [www.lichtwerk.de](http://www.lichtwerk.de)

Accessories	Type	Details	Item-number	Colour	
Suction pad	SH 55	Suction pad for fino diffusor	903 0055 100		0,1











# fino SURFACE MOUNTED SYSTEM

# fino surface mounted system

## ACCESSORIES

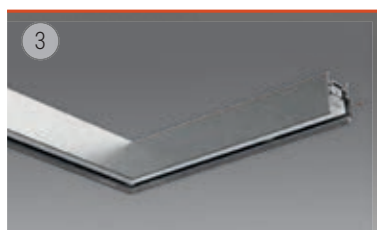


1  
fino-ATE A/E  
Face-end set

## PROFILE UNITS



2  
fino-AT LB P. 332  
Straight profile incl. LED-unit



3  
fino-ATL (L/R) LB P. 334  
Corner profile 90° incl. LED-unit

## LIGHTING TECHNOLOGY



4  
fino-K LB P. 336  
Straight diffusor, white-opal frosted



5  
fino-KC LB P. 336  
Corner diffusor, white-opal frosted

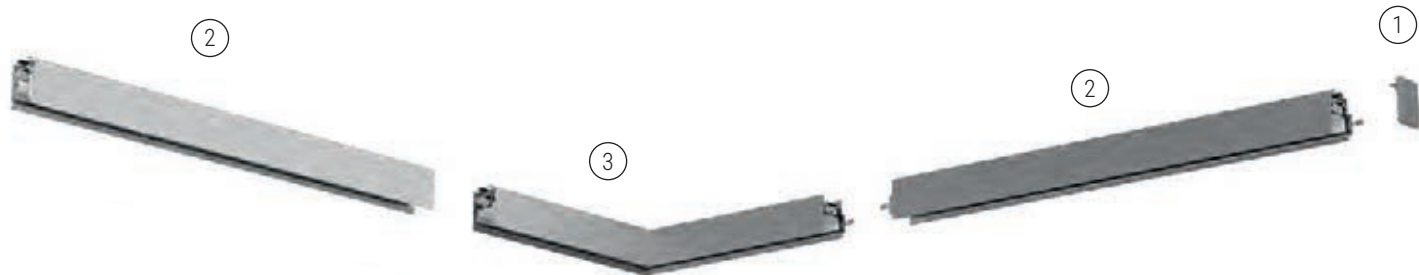


6  
fino-MP LB P. 338  
Straight diffusor, microprismatic



7  
fino-MPC LB P. 338  
Corner diffusor, microprismatic

# INDEX





## fino-AT...LB

IP20    

Surface mounted system luminaire.

### Housing

Aluminium profile, natural anodised with white reflector and separate mounting rail. Also available in traffic white (similar to RAL 9016) or deep black (similar to RAL 9005). Other housing colours on request.

### Lighting technology

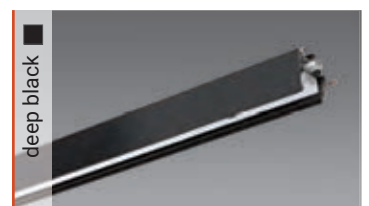
Rated life time = L80 B10 50.000h.  
Light colour: 4000K. Optional: 3000K. Other light colours on request.

### Miscellaneous

Electrical connection via 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 2,5mm<sup>2</sup>. Through wiring plug-in system 10A.

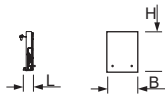
### Accessories

Face-end set fino-ATE (K/MP) and three- or five-pole connection terminal fino-ALK must be ordered separately.



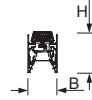
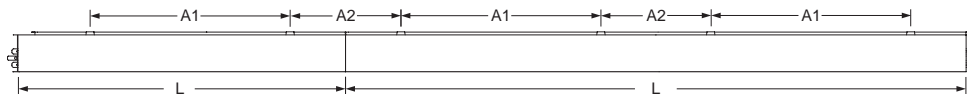
Type	L	B	H	A1	A2
fino-AT/0800 LB	848	72	102	570	280
fino-AT/1100 LB	1129	72	102	850	280
fino-AT/1400 LB	1410	72	102	1130	280
fino-AT/2200 LB	2258	72	102	850	280
fino-AT/2800 LB	2820	72	102	1130	280
fino-ATE A/E	13	72	93		

fino-ATE A/E



fino-AT 1100/1400 LB

fino-AT 2200/2800 LB



Type	LED Specification	P <sub>sys</sub> (W)	Driver	Item-number	Colour	⊞ kg
fino-AT/0800 LB	LED 1000lm 840	11	ED	435 3044 105	■	3,0
	LED 1000lm 840	11	DALI	435 3046 605	■	3,0
	LED 1900lm 840	18	ED	435 3144 105	■	3,0
	LED 1900lm 840	18	DALI	435 3146 605	■	3,0
fino-AT/1100 LB	LED 1400lm 840	14	ED	435 4044 105	■	4,0
	LED 1400lm 840	14	DALI	435 4046 605	■	4,0
	LED 2500lm 840	24	ED	435 4144 105	■	4,0
	LED 2500lm 840	24	DALI	435 4146 605	■	4,0
fino-AT/1400 LB	LED 1700lm 840	16	ED	435 5044 105	■	5,1
	LED 1700lm 840	16	DALI	435 5046 605	■	5,1
	LED 3100lm 840	29	ED	435 5144 105	■	5,1
	LED 3100lm 840	29	DALI	435 5146 605	■	5,1
fino-AT/2200 LB	LED 2800lm 840	28	ED	435 8044 105	■	8,0
	LED 2800lm 840	28	DALI	435 8046 605	■	8,0
	LED 5000lm 840	47	ED	435 8144 105	■	8,0
	LED 5000lm 840	47	DALI	435 8146 605	■	8,0
fino-AT/2800 LB	LED 3500lm 840	33	ED	435 0044 105	■	10,2
	LED 3500lm 840	33	DALI	435 0046 605	■	10,2
	LED 6300lm 840	59	ED	435 0144 105	■	10,2
	LED 6300lm 840	59	DALI	435 0146 605	■	10,2

► Please refer to the current data for LED luminaires at [www.lichtwerk.de](http://www.lichtwerk.de)



Accessories	Type	Details	Item-number	Colour	⊞ kg
Face-end	fino-ATE A/E set/pair	2x face-end for diffuser K and MP	435 0110 105	■	0,3
Connection terminal	fino-ALK 3x0,75mm <sup>2</sup>	3-pol. connection terminal 3x0,75mm <sup>2</sup>	435 0037 105		0,1
	fino-ALK 5x0,75mm <sup>2</sup>	5-pol. connection terminal 5x0,75mm <sup>2</sup>	435 0057 105		0,1



## fino-ATL/L/-ATL/R 90°...LB

IP20    

System luminaire 90° -ATL/L (left corner) / -ATL/R (right corner).

### Housing

Aluminium profile formed as 90° angle, natural anodised with white reflector and separate mounting rail. Also available in traffic white (similar to RAL 9016) or deep black (similar to RAL 9005). Other housing colours on request.

### Lighting technology

Rated life time = L80 B10 50.000h.

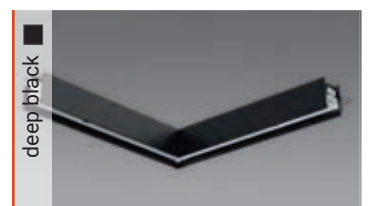
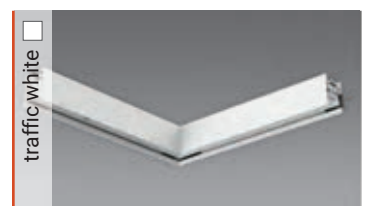
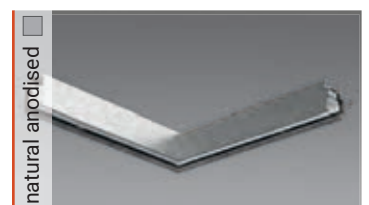
Light colour: 4000K. Optional: 3000K. Other light colours on request.

### Miscellaneous

Electrical connection via 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 2,5mm<sup>2</sup>. Through wiring plug-in system 10A.

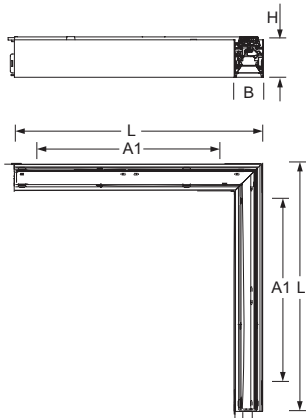
### Accessories

Face-end set fino-ATE and three- or five-pole connection terminal fino-ALK must be ordered separately.

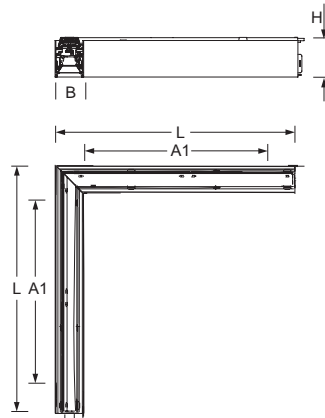


Type	L	B	H	A1
fino-ATL/600 (L/R) LB	612	72	102	436
fino-ATE A/E	13	72	93	

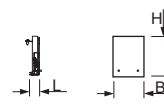
fino-ATL/L LB



fino-ATL/R LB



fino-ATE A/E



Type	LED Specification	P <sub>sys</sub> (W)	Driver	Item-number	Colour	kg
fino-ATL/L0600 LB	LED 1400lm 840	14	ED	435 4044 125	■	4,2
	LED 1400lm 840	14	DALI	435 4046 625	■	4,2
	LED 2500lm 840	24	ED	435 4144 125	■	4,2
	LED 2500lm 840	24	DALI	435 4146 625	■	4,2
fino-ATL/R0600 LB	LED 1400lm 840	14	ED	435 4044 115	■	4,2
	LED 1400lm 840	14	DALI	435 4046 615	■	4,2
	LED 2500lm 840	24	ED	435 4144 115	■	4,2
	LED 2500lm 840	24	DALI	435 4146 615	■	4,2

► Please refer to the current data for LED luminaires at [www.lichtwerk.de](http://www.lichtwerk.de)



Accessories	Type	Details	Item-number	Colour	kg
Face-end	fino-ATE A/E set/pair	2x face-end for diffuser K and MP	435 0110 105	■	0,3
Connection terminal	fino-ALK 3x0,75mm <sup>2</sup>	3-pol. connection terminal 3x0,75mm <sup>2</sup>	435 0037 105		0,1
	fino-ALK 5x0,75mm <sup>2</sup>	5-pol. connection terminal 5x0,75mm <sup>2</sup>	435 0057 105		0,1





## Diffusor K/KC

IP20   

- K for straight luminaires.
- KC (set) mitre cut for illuminated corners.

### Lighting technology -K/-KC

Flush with ceiling, white-opal frosted, extruded profile made from polycarbonate; self-engaging.

### Accessories

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



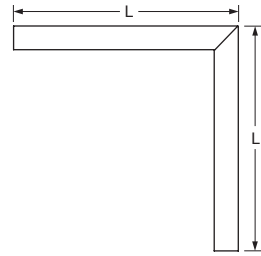
Type	L	B	H
fino-K/0800 LB	848	56	16
fino-K/1100 LB	1129	56	16
fino-K/1400 LB	1410	56	16
fino-K/2200 LB	2258	56	16
fino-K/2800 LB	2820	56	16

Type	L	B	H
fino-KC/0600 LB	604	56	16

fino-K LB



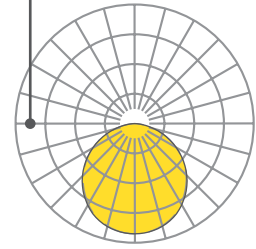
fino-KC LB










fino-AT/1400 + fino-K



3000lm 840

$\eta_{LB}$	100 %
Direct	100 %
Indirect	0 %
UGR lat.	24,7
UGR long.	24,7



Diffusor	Detail	Type	Item-number	Colour	
Diffusor -K LB Straight unit	fino-K LB for fino-ET LB	fino-K/0800 LB	135 0800 180		0,2
		fino-K/1100 LB	135 1100 180		0,2
		fino-K/1400 LB	135 1400 180		0,3
		fino-K/2200 LB	135 2200 180		0,4
		fino-K/2800 LB	135 2800 180		0,5
Diffusor -KC LB Corner unit	fino-KC LB for fino-ETL/L LB + fino-ETL/R LB	fino-KC/0600 LB	135 0600 180		0,2

► Please refer to the current data for LED luminaires at [www.lichtwerk.de](http://www.lichtwerk.de)

Accessories	Type	Details	Item-number	Colour	
Suction pad	SH 55	Suction pad for fino diffusor	903 0055 100		0,1



## Diffusor MP/MPC

IP20   

- MP for straight luminaires.
- MPC (set) mitre cut for illuminated corners.

### Lighting technology -MP/-MPC

Translucent polycarbonate extruded profile, flush with ceiling, with inserted microprismatic diffusor; self-engaging.

### Accessories

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



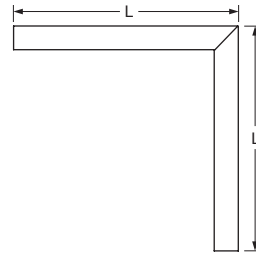
Type	L	B	H
fino-MP/0800 LB	848	56	16
fino-MP/1100 LB	1129	56	16
fino-MP/1400 LB	1410	56	16
fino-MP/2200 LB	2258	56	16
fino-MP/2800 LB	2820	56	16

Type	L	B	H
fino-MPC/0600 LB	604	56	16

fino-MP LB



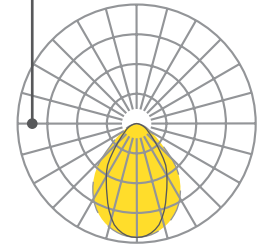
fino-MPC LB










fino-AT/1400 + fino-MP



3500lm 840

$\eta_{LB}$	100 %
Direct	100 %
Indirect	0 %
UGR lat.	19,7
UGR long.	21,5



Diffusor	Detail	Type	Item-number	Colour	
Diffusor -MP LB Straight unit	fino-MP LB for fino-ET LB	fino-MP/0800 LB	135 0800 150		0,3
		fino-MP/1100 LB	135 1100 150		0,3
		fino-MP/1400 LB	135 1400 150		0,4
		fino-MP/2200 LB	135 2200 150		0,6
		fino-MP/2800 LB	135 2800 150		0,8
Diffusor -MPC LB Corner unit	fino-MPC LB for fino-ETL/R LB + fino-ETL/L LB	fino-MPC/0600 LB	135 0600 150		0,3

► Please refer to the current data for LED luminaires at [www.lichtwerk.de](http://www.lichtwerk.de)

Accessories	Type	Details	Item-number	Colour	
Suction pad	SH 55	Suction pad for fino diffusor	903 0055 100		0,1









# fino PENDANT SYSTEM



# fino pendant system

## ACCESSORIES



fino-SAY  
Wire suspension incl. connector

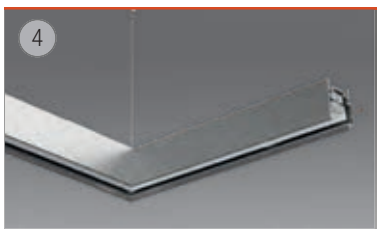


fino-HTE A/E  
Face-end set

## PROFILE UNITS



fino-HT LB P. 346  
Straight profile incl. LED-unit



fino-HTL (L/R) LB P. 348  
Corner profile 90° incl. LED-unit

## LIGHTING TECHNOLOGY



fino-K LB P. 350  
Straight diffuser, white-opal frosted



fino-KC LB P. 350  
Corner diffuser, white-opal frosted

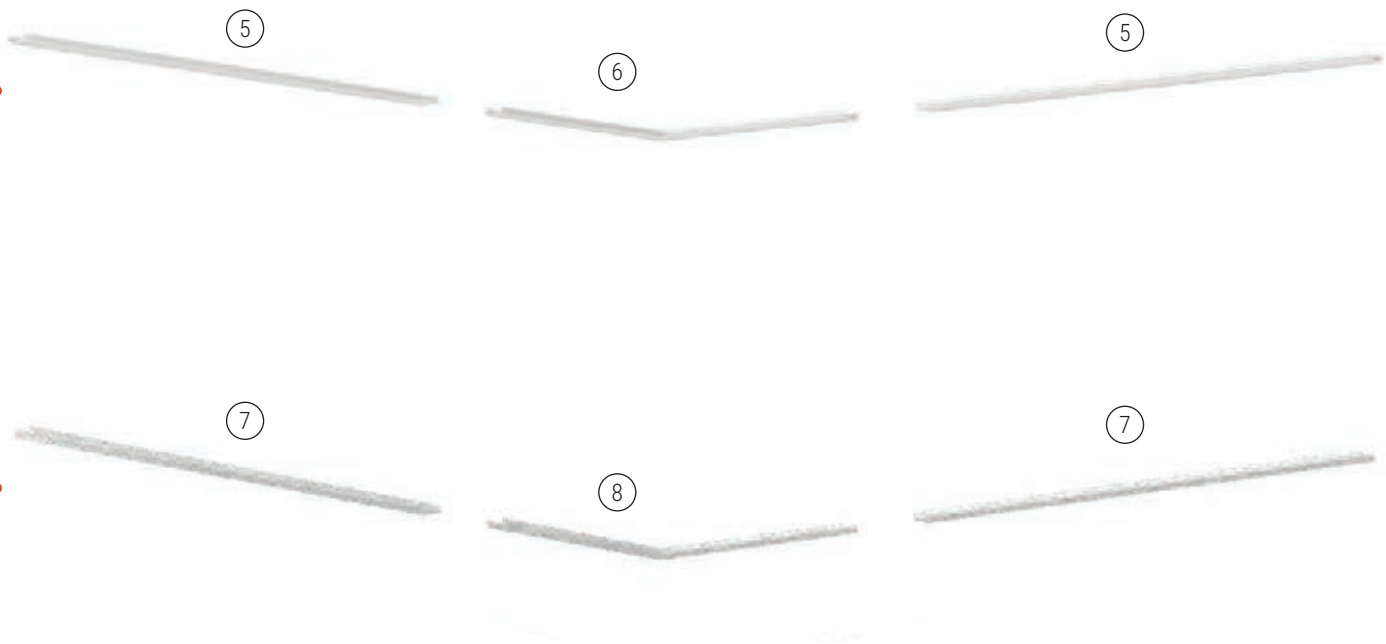
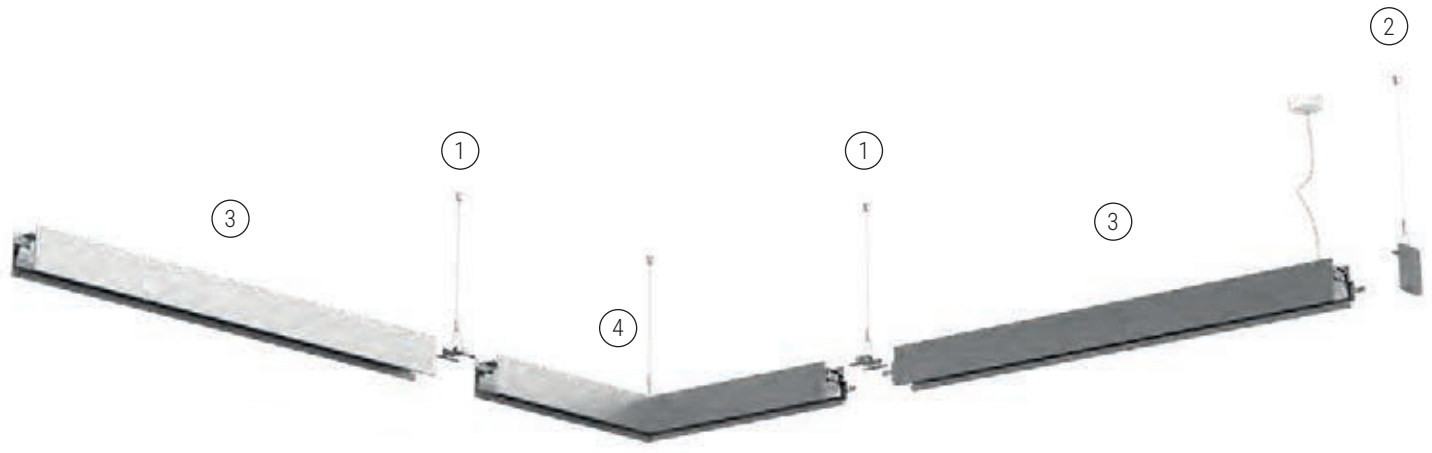


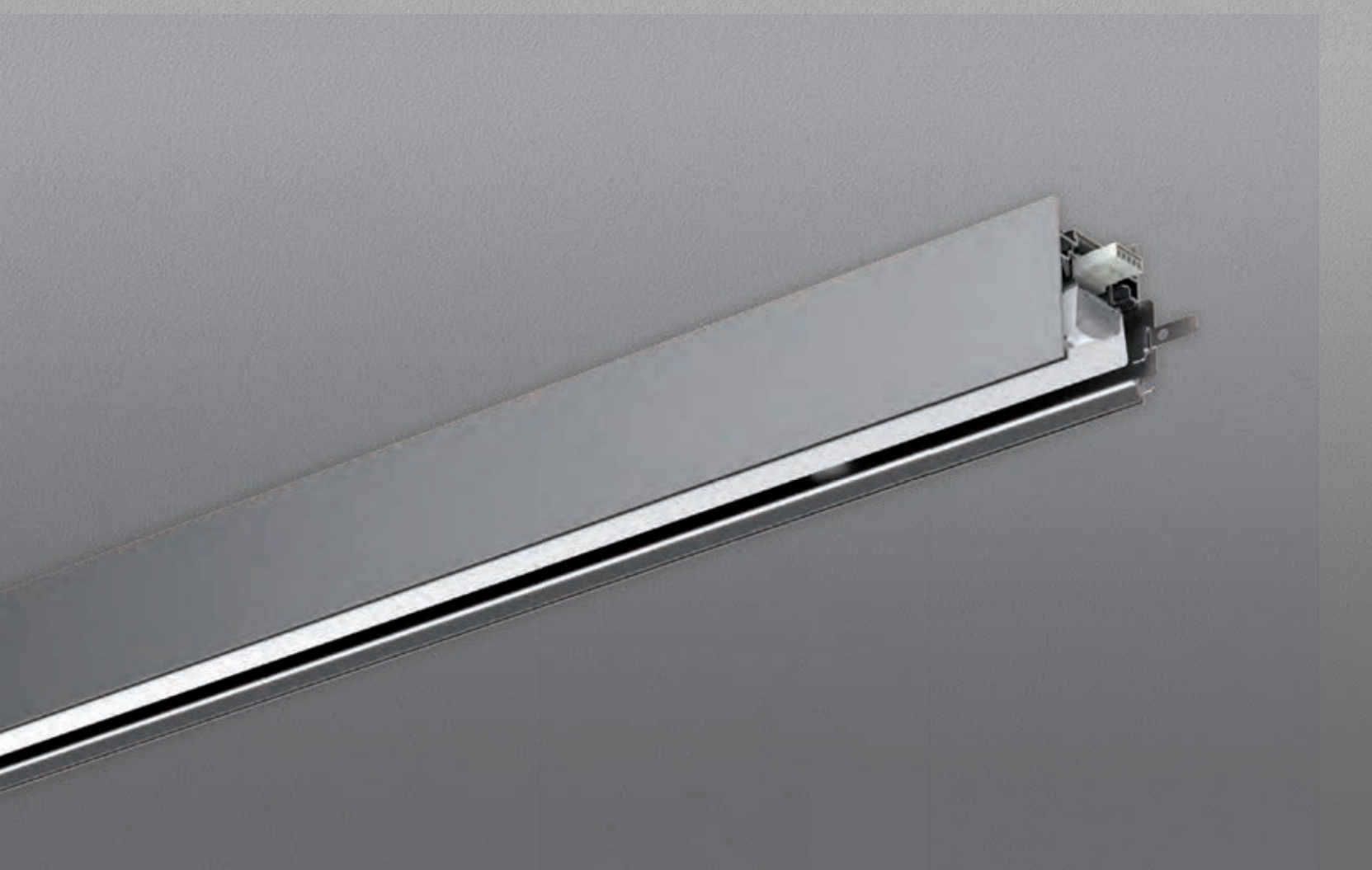
fino-MP LB P. 352  
Straight diffuser, microprismatic



fino-MPC LB P. 352  
Corner diffuser, microprismatic

# INDEX





## fino-HT...LB

  IP20    

Pendant system luminaire.

### Housing

Extruded aluminium profile, natural anodised with white reflectors. Also available in traffic white (similar to RAL 9016) or deep black (similar to RAL 9005). Other housing colours on request.

### Lighting technology

Rated life time = L80 B10 50.000h.  
Light colour: 4000K. Optional: 3000K. Other light colours on request.

### Suspension

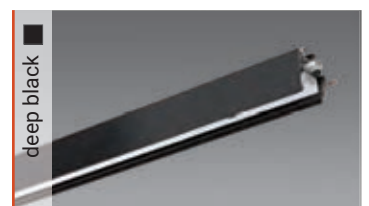
For face-end set fino-HTE A/E as well as for corner profile fino-HTL LB one suspension-kit is included in delivery. For each additional joint, the wire suspension incl. connector fino-SAY must be ordered separately.

### Miscellaneous

Electrical connection via 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 2,5mm<sup>2</sup>. Through wiring plug-in system 10A.

### Accessories

Face-end set fino-HTE A/E, wire suspension fino-SAY and three- or five-pole connection cable fino-AL must be ordered separately.

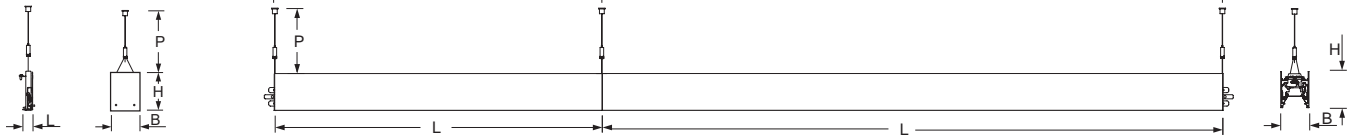


Type	L	B	H	A1	Pmin	Pmax
fino-HT/0800 LB	848	72	92	848	150	2000
fino-HT/1100 LB	1129	72	92	1129	150	2000
fino-HT/1400 LB	1410	72	92	1410	150	2000
fino-HT/2200 LB	2258	72	92	2258	150	2000
fino-HT/2800 LB	2820	72	92	2820	150	2000
fino-HTE A/E	13	72	93		150	2000

fino-HTE A/E

fino-HT 1100/1400 LB

fino-HT 2200/2800 LB



LC-canopies  
see Page 283

Type	LED Specification	P <sub>sys</sub> (W)	Driver	Item-number	Colour	kg
fino-HT/0800 LB	LED 1000lm 840	11	ED	535 3044 105	■	3,0
	LED 1000lm 840	11	DALI	535 3046 605	■	3,0
	LED 1900lm 840	18	ED	535 3144 105	■	3,0
	LED 1900lm 840	18	DALI	535 3146 605	■	3,0
fino-HT/1100 LB	LED 1400lm 840	14	ED	535 4044 105	■	3,5
	LED 1400lm 840	14	DALI	535 4046 605	■	3,5
	LED 2500lm 840	24	ED	535 4144 105	■	3,5
	LED 2500lm 840	24	DALI	535 4146 605	■	3,5
fino-HT/1400 LB	LED 1700lm 840	16	ED	535 5044 105	■	4,3
	LED 1700lm 840	16	DALI	535 5046 605	■	4,3
	LED 3100lm 840	29	ED	535 5144 105	■	4,3
	LED 3100lm 840	29	DALI	535 5146 605	■	4,3
fino-HT/2200 LB	LED 2800lm 840	28	ED	535 8044 105	■	7,0
	LED 2800lm 840	28	DALI	535 8046 605	■	7,0
	LED 5000lm 840	47	ED	535 8144 105	■	7,0
	LED 5000lm 840	47	DALI	535 8146 605	■	7,0
fino-HT/2800 LB	LED 3500lm 840	33	ED	535 0044 105	■	8,6
	LED 3500lm 840	33	DALI	535 0046 605	■	8,6
	LED 6300lm 840	59	ED	535 0144 105	■	8,6
	LED 6300lm 840	59	DALI	535 0146 605	■	8,6

► Please refer to the current data for LED luminaires at [www.lichtwerk.de](http://www.lichtwerk.de)



Accessories	Type	Details	Item-number	Colour	kg
Face-end	fino-HTE A/E (K/MP) set/pair	2x face-end for diffuser K and MP	535 0110 105	wa	0,4
Wire suspension	fino-SAY	Wire suspension for fino-HT incl. connector, 2000mm	535 0000 105		0,1
Connection cable	fino-AL 3x0,75mm <sup>2</sup>	3-pol. connection cable with ceiling canopy	535 0037 105		0,1
	fino-AL 5x0,75mm <sup>2</sup>	5-pol. connection cable with ceiling canopy	535 0057 105		0,2



## fino-HTL/L/-HTL/R 90°...LB









System luminaire 90° -HTL/L (left corner) / -HTL/R (right corner).

### Housing

Aluminium profile formed as 90° angle, natural anodised with white reflectors. Also available in traffic white (similar to RAL 9016) or deep black (similar to RAL 9005). Other housing colours on request.

### Lighting technology

Rated life time = L80 B10 50.000h.  
Light colour: 4000K. Optional: 3000K. Other light colours on request.

### Suspension

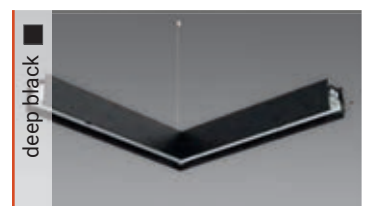
For face-end set fino-HTE A/E as well as for corner profile fino-HTL LB one suspension-kit is included in delivery. For each additional joint, the wire suspension incl. connector fino-SAY must be ordered separately.

### Miscellaneous

Electrical connection via 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 2,5mm<sup>2</sup>. Through wiring plug-in system 10A.

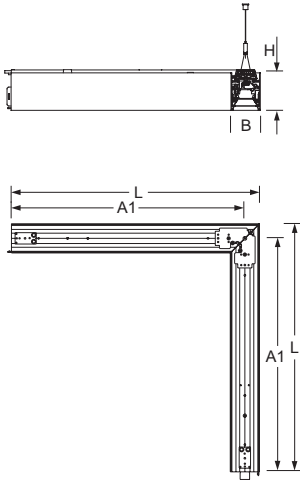
### Accessories

Face-end set fino-HTE A/E and three- or five-pole connection cable fino-AL must be ordered separately.

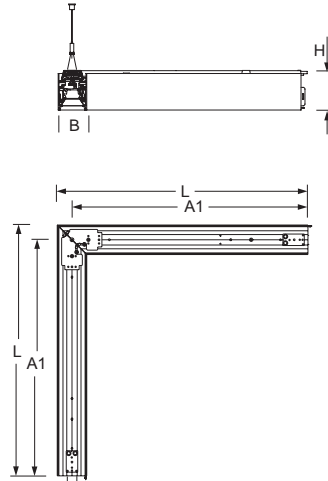


Type	L	B	H	A1	Pmin	Pmax
fino-HTL/600 (L/R) LB	612	72	92	576	150	2000
fino-HTE A/E	13	72	93		150	2000

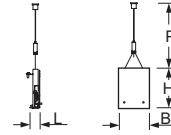
fino-HTL/L LB



fino-HTL/R LB



fino-HTE A/E



Type	LED Specification	P <sub>sys</sub> (W)	Driver	Item-number	Colour	kg
fino-HTL/L0600 LB	LED 1400lm 840	14	ED	535 4044 125	■	3,7
	LED 1400lm 840	14	DALI	535 4046 625	■	3,7
	LED 2500lm 840	24	ED	535 4144 125	■	3,7
	LED 2500lm 840	24	DALI	535 4146 625	■	3,7
fino-HTL/R0600 LB	LED 1400lm 840	14	ED	535 4044 115	■	3,7
	LED 1400lm 840	14	DALI	535 4046 615	■	3,7
	LED 2500lm 840	24	ED	535 4144 115	■	3,7
	LED 2500lm 840	24	DALI	535 4146 615	■	3,7

► Please refer to the current data for LED luminaires at [www.lichtwerk.de](http://www.lichtwerk.de)



Accessories	Type	Details	Item-number	Colour	kg
Face-end	fino-HTE A/E (K/MP) set/pair	2x face-end for diffusor K and MP	535 0110 105	■	0,4
Wire suspension	fino-SAY	Wire suspension for fino-HT incl. connector 2000mm	535 0000 105		0,1
Connection cable	fino-AL 3x0,75mm <sup>2</sup>	3-pol. connection cable with ceiling canopy	535 0037 105		0,1
	fino-AL 5x0,75mm <sup>2</sup>	5-pol. connection cable with ceiling canopy	535 0057 105		0,2



## Diffusor K/KC

IP20   

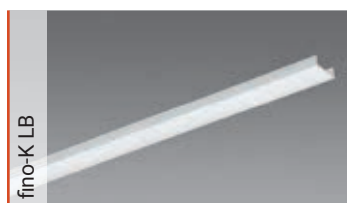
- K for straight luminaires.
- KC (set) mitre cut for illuminated corners.

### Lighting technology -K/-KC

Flush with ceiling, white-opal frosted, extruded profile made from polycarbonate; self-engaging.

### Accessories

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



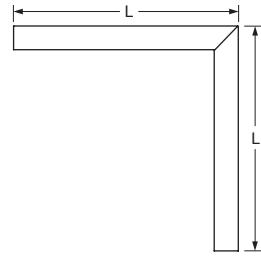
Type	L	B	H
fino-K/0800 LB	848	56	16
fino-K/1100 LB	1129	56	16
fino-K/1400 LB	1410	56	16
fino-K/2200 LB	2258	56	16
fino-K/2800 LB	2820	56	16

Type	L	B	H
fino-KC/0600 LB	604	56	16

fino-K LB



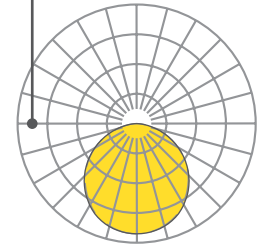
fino-KC LB










fino-HT/1400 + fino-K



3000lm 840

$\eta_{LB}$	100 %
Direct	100 %
Indirect	0 %
UGR lat.	24,7
UGR long.	24,7



Diffusor	Detail	Type	Item-number	Colour	
Diffusor -K LB Straight unit	fino-K LB for fino-ET LB	fino-K/0800 LB	135 0800 180		0,2
		fino-K/1100 LB	135 1100 180		0,2
		fino-K/1400 LB	135 1400 180		0,3
		fino-K/2200 LB	135 2200 180		0,4
		fino-K/2800 LB	135 2800 180		0,5
Diffusor -KC LB Corner unit	fino-KC LB for fino-ETL/L LB + fino-ETL/R LB	fino-KC/0600 LB	135 0600 180		0,2

► Please refer to the current data for LED luminaires at [www.lichtwerk.de](http://www.lichtwerk.de)

Accessories	Type	Details	Item-number	Colour	
Suction pad	SH 55	Suction pad for fino diffusor	903 0055 100		0,1





## Diffusor MP/MPC

IP20   

- MP for straight luminaires.
- MPC (set) mitre cut for illuminated corners.

### Lighting technology -MP/-MPC

Translucent polycarbonate extruded profile, flush with ceiling, with inserted microprismatic diffusor; self-engaging.

### Accessories

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



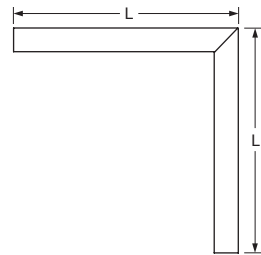
Type	L	B	H
fino-MP/0800 LB	848	56	16
fino-MP/1100 LB	1129	56	16
fino-MP/1400 LB	1410	56	16
fino-MP/2200 LB	2258	56	16
fino-MP/2800 LB	2820	56	16

Type	L	B	H
fino-MPC/0600 LB	604	56	16

fino-MP LB



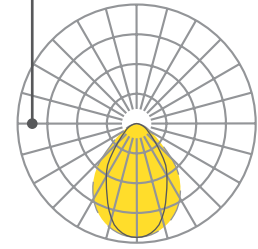
fino-MPC LB










fino-AT/1400 + fino-MP



3500lm 840

$\eta_{LB}$	100 %
Direct	100 %
Indirect	0 %
UGR lat.	19,7
UGR long.	21,5



Diffusor	Detail	Type	Item-number	Colour	
Diffusor -MP LB Straight unit	fino-MP LB for fino-ET LB	fino-MP/0800 LB	135 0800 150		0,3
		fino-MP/1100 LB	135 1100 150		0,3
		fino-MP/1400 LB	135 1400 150		0,4
		fino-MP/2200 LB	135 2200 150		0,6
		fino-MP/2800 LB	135 2800 150		0,8
Diffusor -MPC LB Corner unit	fino-MPC LB for fino-ETL/R LB + fino-ETL/L LB	fino-MPC/0600 LB	135 0600 150		0,3

► Please refer to the current data for LED luminaires at [www.lichtwerk.de](http://www.lichtwerk.de)

Accessories	Type	Details	Item-number	Colour	
Suction pad	SH 55	Suction pad for fino diffusor	903 0055 100		0,1





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# GTC - Sales and delivery conditions

## 1. General

1.1 These conditions of sale apply exclusively to companies, legal persons under public law or public-law special assets in the sense of § 310 paragraph 1 BGB (German Civil Code). The following conditions of sale apply exclusively for all offers and contracts regarding the delivery of goods by lichtwerk GmbH. They also apply for all future transactions with the Orderer when dealing with legal transactions of the related kind. The Orderer recognises the conditions as binding for him for all of the business relations. Modifications and amendments must be in written form. Conflicting or deviating terms and conditions of the Orderer are not terms of the contract, even if we do not expressly object to them. This will only be content of the respective contract in cases where we expressly approve the conflicting or deviating terms and conditions in writing.

1.2 We reserve our own rights of ownership, copyright and other intellectual property rights for all cost estimates, drawings and documents that are handed over to the Orderer during the contract negotiations. They may only be disclosed to third parties with our prior written permission. If an order is not issued, all transferred documents shall be returned immediately at our request. The Orderer does not have the right to use, retain or disseminate these documents.

## 2. Conclusion of the contract and scope of services

2.1 Our offers are not-binding and without obligation. In terms of the nature and scope of delivery, they will first be binding upon our written order confirmation. If an order is to be regarded as an offer according to § 145 BGB, we can accept this within two weeks by sending an order confirmation.

2.2 Verbal agreements, in particular supplementary agreements and commitments made by our employees, require our written confirmation to be effective.

2.3 For the delivery, we reserve the right to deviations of goods compared to the documents belonging to the offers, such as catalogues, illustrations, descriptions, drawings as well as weight and dimension information, provided they are commercial and reasonable for the Orderer and in particular do not impair quality and function.

## 3. Prices, deliveries and terms of payment

### 3.1 Prices and delivery

3.1.1 The prices are calculated in Euro exclusive of the legal VAT, which is invoiced separately according to the valid rate. The prices are calculated according to the prices valid at date of contract conclusion; if the delivery is made more than 4 months after contract conclusion, the prices valid at date of delivery can be invoiced.

3.1.2 Principally, prices shall be ex works excluding VAT, packaging, freight costs and insurance.

3.1.3 For a net order value of €1,500.00 or more, we deliver to the delivery location free of charge within Germany, whereby we provide the goods at the delivery location ready for unloading. Starting at € 750.00, we charge half of the transportation charges for a delivery location within Germany. For a net order value below € 250.00, we charge an additional small-volume surcharge of €25.00.

### 3.2 Terms of payment

3.2.1 Our invoices are to be paid within 30 days from the date of the invoice. For payment within eight days from the invoice date, we grant a 2 % discount. A payment is considered effected if we are able to access the funds. In the case of payment by cheque, payment is only considered effected when the cheque is redeemed by us.

3.2.2 The acceptance of cheques shall only be accepted on account of performance.

3.2.3 The Orderer's right of retention, as far as it is not based on the same contractual relationship, and the offsetting with contested and not legally determined claims is excluded.

3.2.4 If the Orderer is in default of payment as a whole or a part, he is bound - notwithstanding all other rights of the supplier - to pay from that point of time on default interests to the amount of 8 % annually above the base lending rate.

3.2.5 If the Orderer ceases payments or if bankruptcy is filed or mature checks or bills of exchange are not redeemed, all claims made by the supplier are immediately due.

## 4. Delivery times and acceptance obligations

4.1 The delivery period begins with the date of written agreement about the order between Orderer and supplier.

4.2 Hindrances beyond our responsibility, in particular acts of God, war, insurrection, strikes, transport disruptions, business disruptions, lack of material, official orders and other inevitable events that delay the delivery in whole or in part automatically lengthen the delivery period by the duration of such conditions. In such cases the parties have the right to withdraw from the contract in whole or in part.

4.3 In the event of a delayed delivery for which we are responsible, the Orderer can only assert his rights arising from the delay if the grace period he granted us has passed without result. If the Orderer proves in this case that he has incurred damages caused by the delay, he can claim a delay compensation for each completed week of the delay in the amount of 0.5% for the entire duration of the delay, but not to exceed 5% of the value of the goods not delivered on time. The right of the Orderer for exercising the right of withdrawal shall remain unaffected. Further-reaching claims shall only apply in cases of intent or gross negligence where liability is mandatory.

4.4 We are entitled to make reasonable installment deliveries.

4.5 If the Orderer causes a delay of dispatch or delivery of the goods or if the Orderer is otherwise in default in accepting the delivery of goods or should the Orderer intentionally violate other obligations to co-operate, we then have the right to claim compensation for any incurred damages in this respect, including any possible additional expenditure. Rights remain reserved for more extensive claims. Insofar as such aforesaid conditions apply, the risk of accidental loss or accidental deterioration of the purchased goods passes over to the Orderer at the precise point of time in which he is in default of acceptance or payment.

## 5. Dispatch, transfer of risk, returns

5.1 The risk is passed on to the Orderer when the goods leave the factory or a warehouse. Shipping takes place uninsured at the Orderer's risk. This also applies even if free delivery is agreed and also for deliveries by our transport staff. If the shipment is delayed as a result of circumstances for which the Orderer is responsible, the risk is transferred with our notification of readiness for shipment. If the shipment is delayed at the Orderer's request or at the fault of the Orderer, then we will store the goods at the Orderer's expense. The Orderer is required to check without delay whether the goods have been damaged during transportation and to immediately inform the carrier and deliverer of any damage or loss. Shipping takes place on behalf of the Orderer.

5.2 If the supplier has no statutory obligation to accept returned goods, the Orderer may only return goods with our express written consent and provided that they are undamaged and returned in the original packaging. 30% of the invoiced amount will be deducted from the credit note to cover processing costs. All reprocessing, freight, insurance and packaging costs are charged to the Orderer. Principally, it is not possible to return custom-made products.

## 6. Retention of Title

6.1 The goods remain our property until the fulfilment of all our entitled claims against the Orderer (goods subject to retention of title), even if the individual goods have been paid for. A pledge or chattel mortgage of the reserved goods is not permissible.

6.2 In the case of the permissible resale of the reserved goods within the ordinary course of business, the Orderer assigns us already now, until payment of all our claims, as collateral for its future claims towards his customers resulting of such resale without requiring any specific further explanations. This assignment also covers balance claims resulting from existing current account relationships or at their termination of the Orderer with his customers. If the reserved goods are sold together with other goods without agreeing upon an individual price for the reserved goods, the Orderer assigns us the priority over the other claims for such part of the total price claimed which corresponds to the value invoiced by us. Until revoked, the Orderer is authorized to collect the assigned demands from the resale, he is not entitled to dispose of them otherwise, e.g. by assignment. Upon our request, the Orderer must inform his customer about the assignment and to furnish us the necessary documents for the assertion of his rights towards the customer, e.g. to deliver invoices and to provide the required details.

6.3 If the purchaser does not meet all or a part of his payment obligations within 10 days after due date, if he does not cash due checks or if an application for insolvency is filed, we have the right to withdraw from the contract and to require the return of the goods. The purchaser is obliged to procure us with the possession of the goods. The Orderer grants us or any of our authorized representatives the access to all business premises during business hours. We are entitled to use the reserved goods with the diligence of a prudent businessman and to satisfy ourselves with the offsetting of open claims with their proceeds.

6.4 As long as the ownership has not been transferred, the Orderer is to inform us in writing immediately if the supplied item is seized or is exposed to other interventions by third parties. If the third party is unable to indemnify us for the costs of legal or out-of-court costs of a claim according to par.

771 ZPO (German Code of Civil Procedure), the Orderer is liable for our amount outstanding.

## 7. Warranty

7.1 We are liable for the defects of the goods (in the first instance under the exclusion of the Orderer's rights to back out of the contract or to reduce the purchase price) through rectification of the defect or replacement delivery at our choice. The Orderer shall grant us a reasonable time period to provide the rectification. If the supplementary performance does not work, the Orderer may basically according to his choice demand a cut of the compensation (decrease) or a cancellation of the contract. The improvement is considered failed after the second unsuccessful attempt, provided further improvement attempts are not appropriate due to the subject matter of the contract and are not reasonable to the Orderer. In case of a minor breach of contract, especially minor defects, the Orderer, however, does not have a right of cancellation.

7.2 Warranty rights of the Orderer require that the Orderer's obligations to make inspection and give notice of defects according to par. 377 HGB (German Commercial Code) have been properly fulfilled.

7.3 The Orderer must notify us concerning obvious defects within a period of 10 days after receipt of goods, otherwise the assertion of the warranty claim is excluded. Non-obvious defects must be claimed immediately when they are discovered or determined, otherwise they are deemed to be approved. For all presuppositions for claims he full burden of proof forlies with the Orderer, especially for the deficit itself, for the time period of the determination of the defect, and for the timeliness of the notice of defect.

7.4 If the Orderer, due to a deficiency in title or a material defect after failed subsequent performance, chooses to cancel the contract, he shall not be entitled to additional claims for damages due to the defect.

7.5 The warranty period amounts to one year from date of delivery of our goods to the Orderer.

7.6 The warranty obligation is void if the goods have suffered from improper handling or storage or if improper changes were made to them without the supplier's approval. We are not liable for subsequent changes to the lights, their internal circuitry, equipment or the lamps.

7.7 The condition of the goods only the product description of the manufacturer applies as agreed upon. Additional public statements or advertisements of the manufacturer do not represent a contractual statement on the nature of the goods.

7.8 In the event that the article of sale cannot be used by the Orderer as stipulated in the contract of sale as a result of negligent violation of collateral contractual duties, especially with regard to operating and maintenance instructions, we shall also be liable in accordance with paragraph 7.6.

In case of consulting we can only be held responsible if special payment was agreed in writing.

7.9 Claims made by the Customer against the Supplier for installation and disassembly costs, unless they serve to detect errors, costs of disposal and costs for hoisting devices and scaffolding shall be excluded. The Customer shall bear the costs of the necessary recommissioning, software reinstallations or software updates. Where the Supplier meets its cost absorption obligation pursuant to Article 478 of the German Civil Code with respect to other expenses necessary for supplementary performance, the Supplier shall be entitled to pay such expenses by means of a credit note for goods. A right to compensation for damages to the goods themselves shall be excluded. This does not apply, as far as compelling liability is given in cases of intent, gross negligence, lack of guaranteed product properties or the Product Liability Act.

## 8. Limitation on Liability

8.1 As far as it is not expressly stipulated otherwise in these conditions, the claims against us, our legal representatives and any person employed by us in the performance of our obligation and any vicarious agent resulting from damages, including consequential damages, which occur to the Orderer or a third party, in particular such damages resulting from fault at contract conclusion, culpable breach of an obligation and negligent and impermissible actions are excluded.

8.2 The aforesaid limitations of liability shall not affect the Orderer's product liability claims. In addition, we are liable for loss of life, physical injury and damage to health (regardless of existing limitation of liability according to the statutory provisions) that are caused by a negligent or wilful breach of duty on our part, our legal representatives or our assistants. We are liable under statutory provisions for damages that are not covered by clause 1 and that are based on fraudulent intent by us, our legal representatives or our assistants.

8.3 The Orderer's claim for damages for defect becomes time-barred after one year from date of delivery of the goods to the Orderer. This shall not apply if we can be accused of malice. In these cases, the statutory provisions apply.

## 9. Applicable law, place of jurisdiction

For these business relationships and all legal relationships between us and the Orderer, - including export contracts - the governing law of the Federal Republic of Germany applies exclusively. The application of the UN jurisdiction, concerning sales and purchase procedure, is excluded. If legally permissible, the place of jurisdiction for all disputes directly or indirectly resulting from a contractual relationship is, by our choosing, either Haßfurt or the court responsible for the Orderer's registered office. The place of fulfilment for deliveries and payments is also Haßfurt. If individual conditions of the contract including these GTC are partially ineffective or will be, the validity of the other conditions are not affected by it. The whole or partial ineffective condition should be replaced by conditions, whose economic purpose comes as close as possible to the ineffective one.



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## 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.

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.

We point out that the orderer recognises our delivery and payment conditions unless he/she objects in writing when sending his/her order.

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