

FINA opal

system

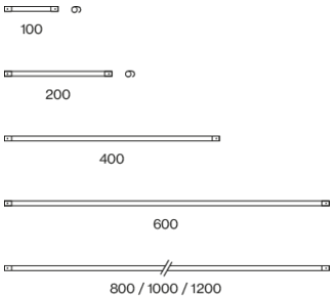
EN Miniature linear light inset made of aluminium; tubular design; optionally for recessed or surface mounting (available as an accessory); surface lacquered; plug and play electrical connector system for toolless mounting; different connectors for mechanical and electrical connection available; for flexible system design; completely homogeneously illuminated, satinised PMMA cover; light inset rotatable; energy-efficient LEDs with very good colour rendering; converter plug and play; converter separately available

DE Miniatur-Linear-Lichteinsatz aus Aluminium; tubulare Bauform; wahlweise für Einbau- oder Anbaumontage (als Zubehör erhältlich); Oberfläche lackiert; durchkontaktiertes elektrisches Stecksystem für werkzeuglose Montage; unterschiedliche Verbinder für mechanische und elektrische Verbindung verfügbar; für flexiblen Systemaufbau; absolut homogen ausgeleuchtete, satinierte PMMA-Abdeckung; Lichteinsatz drehbar; energieeffiziente LEDs mit sehr guter Farbwiedergabe; Konverter steckerfertig vorkonfektioniert; Konverter ist separat zu bestellen

Quickinfo

3000 K, 3500 K, 4000 K
CRI ≥ 97 / 3 SDCM (initial MacAdam)
bis zu 1.260 lm/m
bis zu 80 lm/W
L85 / 50000 h
exkl. Treiber
Opal
IP20

Types



Farben

Lichtverteilung



CRI ≥ 95, R9 ≥ 90



plug & play



fine adjustments possible





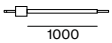
FINA opal system

OPAL CRI ≥ 97, excl. driver

FIXTURE	LENGTH	LUM. FLUX	ORDER CODE
1.5 W	100 mm	84 lm	0 1 1 - 1 1 0 1 :: 1 ◪ O
2.0 W	135 mm	121 lm	0 1 1 - 1 1 9 A C :: 1 ◪ O
2.7 W	170 mm	161 lm	0 1 1 - 1 1 9 A D :: 1 ◪ O
3.3 W	205 mm	201 lm	0 1 1 - 1 1 9 A E :: 1 ◪ O
3.6 W	200 mm	218 lm	0 1 1 - 1 1 0 2 :: 1 ◪ O
4.0 W	240 mm	242 lm	0 1 1 - 1 1 9 A F :: 1 ◪ O
4.7 W	275 mm	282 lm	0 1 1 - 1 1 9 A G :: 1 ◪ O
5.4 W	310 mm	322 lm	0 1 1 - 1 1 9 A H :: 1 ◪ O
6.0 W	345 mm	362 lm	0 1 1 - 1 1 9 A I :: 1 ◪ O
6.7 W	380 mm	403 lm	0 1 1 - 1 1 9 A J :: 1 ◪ O
7.3 W	400 mm	436 lm	0 1 1 - 1 1 0 3 :: 1 ◪ O
7.4 W	415 mm	443 lm	0 1 1 - 1 1 9 A K :: 1 ◪ O
8.0 W	450 mm	483 lm	0 1 1 - 1 1 9 A L :: 1 ◪ O
8.7 W	485 mm	524 lm	0 1 1 - 1 1 9 A M :: 1 ◪ O
9.4 W	520 mm	564 lm	0 1 1 - 1 1 9 A N :: 1 ◪ O
10.0 W	555 mm	604 lm	0 1 1 - 1 1 9 A O :: 1 ◪ O
10.7 W	590 mm	644 lm	0 1 1 - 1 1 9 A P :: 1 ◪ O
11.4 W	625 mm	685 lm	0 1 1 - 1 1 9 A Q :: 1 ◪ O
11.6 W	600 mm	698 lm	0 1 1 - 1 1 0 4 :: 1 ◪ O
12.0 W	660 mm	725 lm	0 1 1 - 1 1 9 A R :: 1 ◪ O
12.7 W	695 mm	765 lm	0 1 1 - 1 1 9 A S :: 1 ◪ O
13.4 W	730 mm	805 lm	0 1 1 - 1 1 9 A T :: 1 ◪ O
14.0 W	765 mm	846 lm	0 1 1 - 1 1 9 A U :: 1 ◪ O
14.6 W	800 mm	873 lm	0 1 1 - 1 1 0 5 :: 1 ◪ O
15.4 W	835 mm	926 lm	0 1 1 - 1 1 9 A W :: 1 ◪ O
16.1 W	870 mm	966 lm	0 1 1 - 1 1 9 A X :: 1 ◪ O
16.7 W	905 mm	1010 lm	0 1 1 - 1 1 9 A Y :: 1 ◪ O
17.4 W	940 mm	1050 lm	0 1 1 - 1 1 9 A Z :: 1 ◪ O
18.1 W	975 mm	1090 lm	0 1 1 - 1 1 9 B A :: 1 ◪ O
18.2 W	1000 mm	1090 lm	0 1 1 - 1 1 0 6 :: 1 ◪ O
18.7 W	1010 mm	1130 lm	0 1 1 - 1 1 9 B B :: 1 ◪ O
19.4 W	1045 mm	1170 lm	0 1 1 - 1 1 9 B C :: 1 ◪ O
20.1 W	1080 mm	1210 lm	0 1 1 - 1 1 9 B D :: 1 ◪ O
20.7 W	1115 mm	1250 lm	0 1 1 - 1 1 9 B E :: 1 ◪ O
21.4 W	1150 mm	1290 lm	0 1 1 - 1 1 9 B F :: 1 ◪ O
21.8 W	1200 mm	1310 lm	0 1 1 - 1 1 0 7 :: 1 ◪ O

The data values for the luminous flux may differ for specific order options by -9%. Luminous flux value refers to colour temperature 4000 K, 3500 K. Light inset incl. 1 electrical linear connector (UL version only); note the maximum allowed system power from the mounting instructions

Electrical mounting accessories



CONNECTION CABLE

TYPE	ORDER CODE
1 × open / 1 × DC plug	0 1 1 - 9 2 2 2 6 2 0

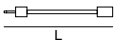
Order options

COLOUR TEMPERATURE ::	
3000 K	0
4000 K	1
3500 K	2

COLOUR ◪	
white aluminium RAL 9006	6
tar black RAL 9021	8

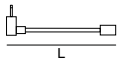
NOTE

Products from the Showcase Lighting range are excluded from returns.



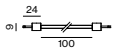
EXTENSION CABLE 1 × socket / 1 × plug, 350 mA

feeder length	ORDER CODE
1000 mm	011-922212 0
2000 mm	011-922214 0
4000 mm	011-922218 0



EXTENSION CABLE 1 × socket / 1 × plug 90°, 350 mA

feeder length	ORDER CODE
1000 mm	011-922222 0
2000 mm	011-922224 0
4000 mm	011-922228 0



FLEX CONNECTOR electrical

L·W (mm)	ORDER CODE
100·9	011-922510 0

FLEX CONNECTOR 0-83° electrical

L·W (mm)	ORDER CODE
33·6	011-922540 0



FLEX CONNECTOR 90° electrical

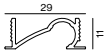
L·W·H (mm)	ORDER CODE
39·39·9	011-922520 0



LINEAR CONNECTOR electrical

L·W (mm)	ORDER CODE
18·6	011-922530 0

Mounting accessories



MOUNTING CHANNEL 45

L·W·H (mm)	ORDER CODE
230·29·11	011-910320 ◪
430·29·11	011-910330 ◪
630·29·11	011-910340 ◪
830·29·11	011-910350 ◪
1030·29·11	011-910360 ◪
1230·29·11	011-910370 ◪
custom cut·29·11	E84830 · · · · ◪



MOUNTING CHANNEL 45 JUT-OUT

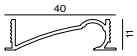
L·W·H (mm)	ORDER CODE
230·17·18	011-910420 ◪
430·17·18	011-910430 ◪
630·17·18	011-910440 ◪
830·17·18	011-910450 ◪
1030·17·18	011-910460 ◪
1230·17·18	011-910470 ◪
custom cut·17·18	E84840 · · · · ◪

Order options

COLOUR	◪
white aluminium RAL 9006	6
tar black RAL 9021	8

NOTE

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MOUNTING CHANNEL 60

L·W·H (mm)	ORDER CODE
230·40·11	011-910220
430·40·11	011-910230
630·40·11	011-910240
830·40·11	011-910250
1030·40·11	011-910260
1230·40·11	011-910270
custom cut·40·11	E84820····



MOUNTING CHANNEL 90

L·W·H (mm)	ORDER CODE
230·17·11	011-910020
430·17·11	011-910030
630·17·11	011-910040
830·17·11	011-910050
1030·17·11	011-910060
1230·17·11	011-910070
custom cut·17·11	E84800····



MOUNTING CHANNEL 90 ANTI-GLARE

L·W·H (mm)	ORDER CODE
230·17·15	011-910120
430·17·15	011-910130
630·17·15	011-910140
830·17·15	011-910150
1030·17·15	011-910160
1230·17·15	011-910170
custom cut·17·15	E84810····



MOUNTING CLIP 45 surface

COLOUR	ORDER CODE
tar black	011-910300 8



MOUNTING CLIP 60 surface

COLOUR	ORDER CODE
tar black	011-910200 8



MOUNTING CLIP 90 surface

COLOUR	ORDER CODE
tar black	011-910000 8

Mounting tools accessories

MOUNTING TOOL

TYPE	ORDER CODE
for inset adjustment	011-919000 0

Order options

COLOUR	
white aluminium RAL 9006	6
tar black RAL 9021	8

NOTE

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Electrical accessories

POWER SUPPLY 24V EU PC2

TYPE	INPUT VOLTAGE	EFFICIENCY	L·W·H (mm)	ORDER CODE
18 W | non DIM	198-264 V AC	η 86 %	130·43·30	0 1 1 - 9 2 1 2 1 1 0
35 W | non DIM	198-264 V AC	η 86 %	195·43·30	0 1 1 - 9 2 1 2 2 1 0
60 W | non DIM	198-264 V AC	η 91 %	220·43·30	0 1 1 - 9 2 1 2 3 1 0
18 W | DALI-2	198-264 V AC	η 84 %	130·43·30	0 1 1 - 9 2 1 2 1 3 0
35 W | DALI-2	198-264 V AC	η 89 %	195·43·30	0 1 1 - 9 2 1 2 2 3 0
60 W | DALI-2	198-240 V AC	η 93 %	220·43·30	0 1 1 - 9 2 1 2 3 3 0

incl. power cable 2m + connection cable with plug 1m

POWER SUPPLY 24V UL non DIM, 100-305 V AC, PC2

TYPE	EFFICIENCY	L·W·H (mm)	ORDER CODE
25 W	η 88 %	147·40·32	0 1 1 - 9 2 7 2 1 1 0
40 W	η 88 %	147·40·32	0 1 1 - 9 2 7 2 2 1 0
60 W	η 87 %	176·45·32	0 1 1 - 9 2 7 2 3 1 0

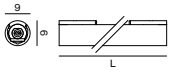
POWER SUPPLY 24V UL incl. metalbox non DIM, 100-305 V AC, PC2

TYPE	EFFICIENCY	TYPE	L·W·H (mm)	ORDER CODE
incl. metalbox	η 88 %	incl. metalbox	196·68·45	0 1 1 - 9 2 9 2 1 1 0
incl. metalbox	η 88 %	incl. metalbox	196·68·45	0 1 1 - 9 2 9 2 2 1 0
incl. metalbox	η 87 %	incl. metalbox	223·66·55	0 1 1 - 9 2 9 2 3 1 0

SYSTEM SPLITTER

TYPE	ORDER CODE
3 way	0 1 1 - 9 2 3 8 3 0 0
6 way	0 1 1 - 9 2 3 8 6 0 0

Optical accessories



BLIND INSET

L·W·H (mm)	ORDER CODE
200·9·6	0 1 1 - 9 1 0 9 2 0
400·9·6	0 1 1 - 9 1 0 9 3 0
600·9·6	0 1 1 - 9 1 0 9 4 0
800·9·6	0 1 1 - 9 1 0 9 5 0
1000·9·6	0 1 1 - 9 1 0 9 6 0
1200·9·6	0 1 1 - 9 1 0 9 7 0
100·9·6	0 1 1 - 9 1 0 9 1 0
50·9·6	0 1 1 - 9 1 0 9 0 0

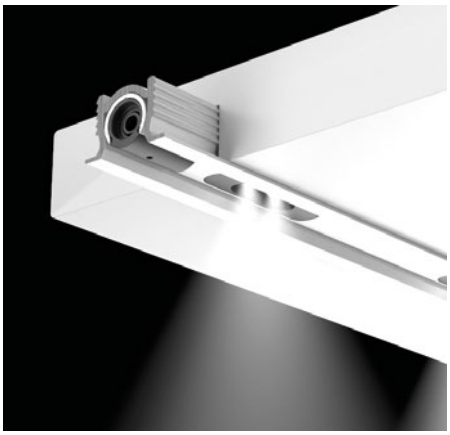
Order options

COLOUR	
white aluminium RAL 9006	6
tar black RAL 9021	8

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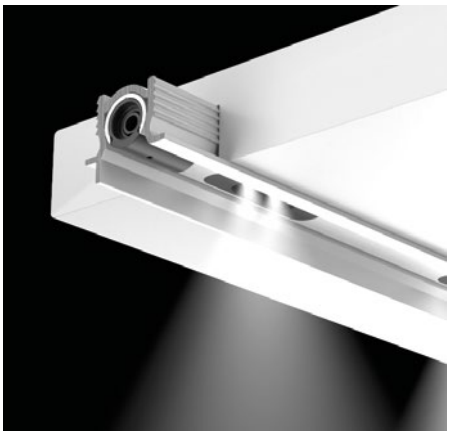
Channel overview



Channel 90 recessed

EN The mounting channel for FINA modules offers an elegant solution for installation. Ideal for applications with a 90° beam direction onto the lower shelf.

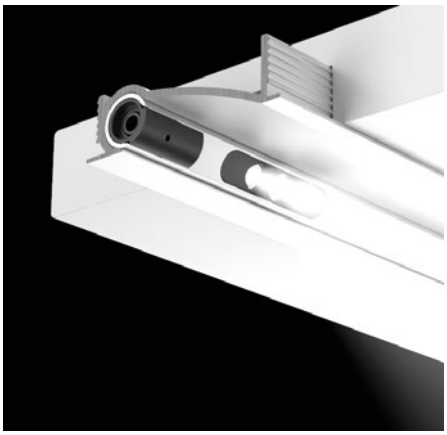
DE Der Montagekanal für FINA-Module bietet eine elegante Lösung für den Einbau. Ideal für Anwendungen mit einer Ausstrahlrichtung von 90° auf das untere Fach.



Channel 90 anti-glare

EN The mounting channel for FINA modules offers an elegant solution for installation. The anti-glare lip enables glare-free light in showcases at the viewer's eye level and is ideal for applications with a beam angle of 90° onto the lower shelf.

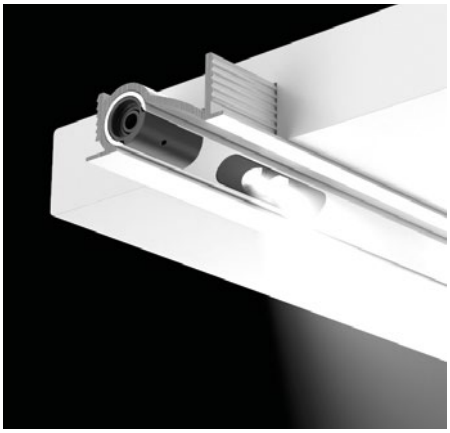
DE Der Montagekanal für FINA-Module bietet eine elegante Lösung für den Einbau. Die Anti Glare Blendlippe ermöglicht blendfreies Licht in Vitrinen in Augenhöhe des Betrachters und ist ideal für Anwendungen mit einer Ausstrahlrichtung von 90° auf das untere Fach.



Channel 60 recessed

EN The mounting channel for FINA modules offers an elegant solution for installation. Ideal for applications with a beam angle of 60° to the bottom of the compartment and for compartment niches with the same compartment height and depth.

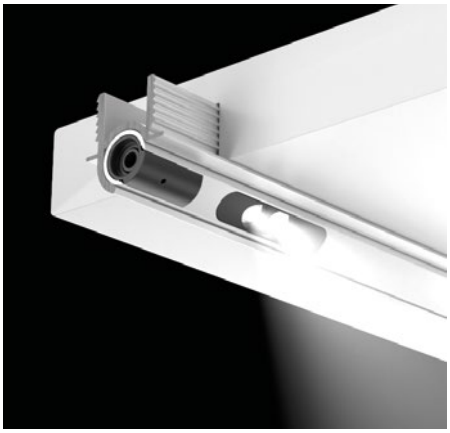
DE Der Montagekanal für FINA-Module bietet eine elegante Lösung für den Einbau. Ideal für Anwendungen mit einer Ausstrahlrichtung von 60° auf das untere Fach sowie von Fachnischen mit gleicher Fachhöhe und -tiefe.



Channel 45 recessed

EN The mounting channel for FINA modules offers an elegant solution for installation. Ideal for applications with a beam angle of 45° to the bottom of the compartment as well as for compartment niches with a low height. The ratio of compartment height to depth is 1:2.

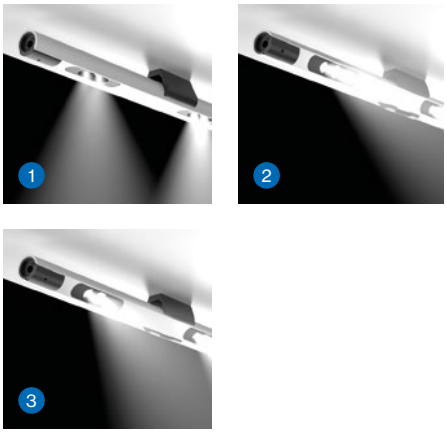
DE Der Montagekanal für FINA-Module bietet eine elegante Lösung für den Einbau. Ideal für Anwendungen mit einer Ausstrahlrichtung von 45° auf das Fach untere sowie von Fachnischen mit geringer Höhe. Das Verhältnis der Fachhöhe zur -tiefe ist 1:2.



Channel 45 jut-out

EN The jut-out mounting channel ensures ideal illumination of the lower compartment without shadowing. Ideal for applications with a beam direction of 45° onto the lower shelf as well as shelf niches with a low height.

DE Der jut-out Montagekanal sorgt für eine ideale Ausleuchtung des unteren Faches ohne Abschattungen. Ideal für Anwendungen mit einer Ausstrahlrichtung von 45° auf das untere Fach sowie von Fachnischen mit geringer Höhe.



Mounting clip 90 / 60 / 45 surface

EN Mounting clips for NANO modules for surface mounting. 1 Beam direction of 90° onto the bottom shelf. 2 Beam direction of 60° onto the bottom shelf and for niches with the same shelf height and depth. 3 Emission direction of 45° onto the bottom shelf and for niches with a low height. The ratio of compartment height to depth is 1:2.

DE Montageclips für NANO-Module zur Anbaumontage. 1 Ausstrahlrichtung von 90° auf das untere Fach. 2 Ausstrahlrichtung von 60° auf das untere Fach und für Fachnischen mit gleicher Fachhöhe und -tiefe. 3 Ausstrahlrichtung von 45° auf das untere Fach und für Fachnischen mit geringer Höhe. Das Verhältnis der Fachhöhe zur -tiefe ist 1:2.