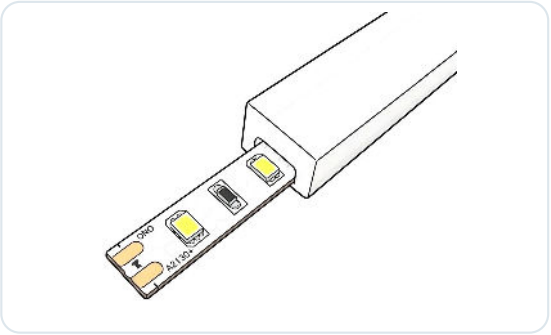
POM RECESSED LED LIGHT

POM insert block | LED light line | flush installation

POM recessed light for flush-mounted light lines. The finished product combines a POM insert block with an integrated LED flex module for discreet step lighting, platforms, parquet floors and stage areas. Length, cutting, cable routing and installation details are coordinated for each project.



POM	FLUSH	24 V DC	4.8 W/m	CRI > 90	IP20
insert block	no frame	LED module	rated power	colour rendering	dry indoor

1 Product construction

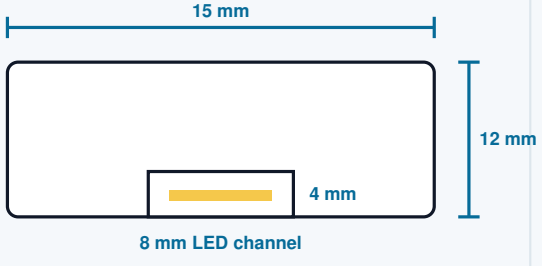
Product	**POM recessed light / POM light line**
Construction	**POM insert block with integrated LED flex module**
Installation	**Flush-mounted in a site-prepared groove**
Visible profile	**No additional metal frame**
Typical locations	**Steps, platforms, parquet floors, stage edges**
Execution	**Project-specific to dimensions and drawing approval**

2 Technical product data

POM standard size	**approx. 15 x 12 mm; project-specific adjustment possible**
LED channel	**central groove approx. 8 x 4 mm**
LED module	**SLIM LED PRO 180, 6 mm FPC**
Light colour	**Standard 3000 K warm white**
Light effect	**Discreet, linear, orientation**
LED protection	**IP20, dry indoor areas**

3 Construction & dimensions

POM insert block and LED channel



4 Product benefits

- Flush light line without an additional metal frame
- Discreet linear orientation lighting
- Project-specific cutting, lengths and cable routing
- Suitable for site-prepared grooves in steps, platforms and parquet
- Finished product with integrated LED flex module

More information

bissinger-lights.de/en/

Product: LIGHT

Technical data for planning purposes. Project-specific dimensional and drawing approval is binding. Status 07/2026.

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LED MODULE IN POM SYSTEM

SLIM LED PRO 180 | 3000 K | 24 V DC | 180 LED/m

LED component of the finished POM product. The LED flex module is compact, only 6 mm wide and designed for dry indoor areas. The following values describe the LED inside the POM insert block as a technical planning basis.

IP20
Indoor

24 V DC	4.8 W/m	3000 K	180 LED/m	CRI > 90	120°
constant voltage	rated power	warm white	high density	colour rendering	beam angle

1 LED technical data

Input voltage	**24 V DC**
LED type	**SMD 705**
Rated power per metre	**4.8 W**
Colour temperature	**3000 K**
Colour rendering index	**Ra > 90**
Beam angle	**120°**
Max. single-fed strip length	**5000 mm**
Protection	**IP20**

2 Mechanics & lifetime

LEDs per metre	**180 LED**
LEDs per module	**6 LED**
LED pitch A	**4.16 mm**
Module length B	**33 mm ±0.5 mm**
Width C	**6 mm ±0.5 mm**
Height D	**1 mm ±0.2 mm**
PCB material	**FPC, white**
Adhesive tape	**3M 300LSE**
Rated lifetime	**36,000 h @ Tp=55°C**
Luminous flux maintenance	**L70F10**

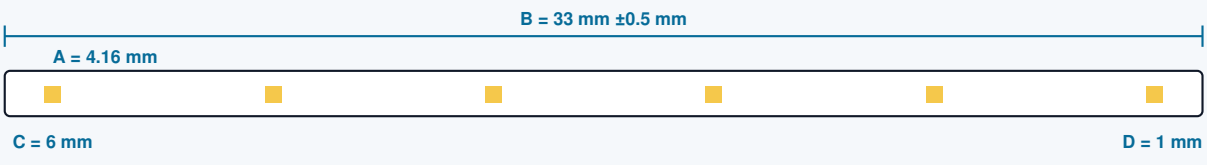
3 Operating & environmental conditions

Operating temperature Tp	**-20°C to 60°C**
Ambient temperature Ta	**-20°C to 45°C**
Storage temperature Ts	**-20°C to 60°C**
Relative humidity	**< 90 %**
Photobiological risk group	**Exempt group (EN 62471)**

Important notes

- For dry indoor areas only (IP20).
- Apply only to clean, grease-free surfaces.
- Provide sufficient cooling in the installed condition.
- Minimum bending radius approx. 50 mm; do not mechanically load LED components.

LED flex module - dimensions and pitch



Technical data according to manufacturer information - planning basis. Status 07/2026.

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