

LINEAR OPTICS 1R FOR SMD W2 – IP65



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Thanks to their microprismatic surfaces, the optics made of high-quality PC offer very homogeneous light and a pixel-free appearance. They are ideally suited for use in profile luminaires for industrial, storage and car park lighting.

The IP65 protection rating, combined with suitability for luminaires with impact resistance IK08/5J, ensures optimum protection against the ingress of dirt, dust and water, as well as against mechanical stress, and enables a luminaire design without front covers.

The optics is designed for use with a wide variety of LEDs: from MidPower 2835 to 3030, as well as 3535 Highpower up to 5050 Highpower LEDs of all common manufacturers. Due to the large free space for the LEDs, the LED spacing is freely selectable. Typical LEDs are Samsung LM301B, Nichia757, Seoul STW8x, Osram Duris, but also High Power LEDs like Oslon Square, Samsung LH351, Luxeon TX, Cree XPG or 5050 LEDs like Luxeon 5050, Seoul STW018 or Cree JR5050 but also practically all other LEDs with similar dimensions.

Linear Optics 1R for SMD W2 – IP65

- **HIGH-QUALITY OPTICAL MATERIAL**
- **OPTICAL EFFICIENCY UP TO 91%**
- **SUITABLE FOR LUMINAIRES IP65 WITH IMPACT RESISTANCE IK08/5J**
- **HIGH TEMPERATURE RESISTANCE**
- **UV RESISTANT**



Product video

Linear Optics 1R for SMD W2 Universal Tunnel Lens 560mm IP65



IP65

IK08

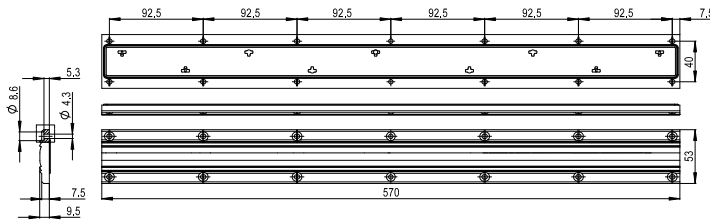
Technical Notes

- For 3030, 2835* and 5630* midpower LEDs of common LED manufacturers (*mounted lengthwise)
- Material: PC
- Max. allowed temperature: 100 °C
- Fixing holes for M4 screws
- Degree of protection: IP65 (incl. silicone gasket)
- Impact resistance: IK08/5J
- SMD boards have to be attached separately and are additionally pressed on the index points by the optics.

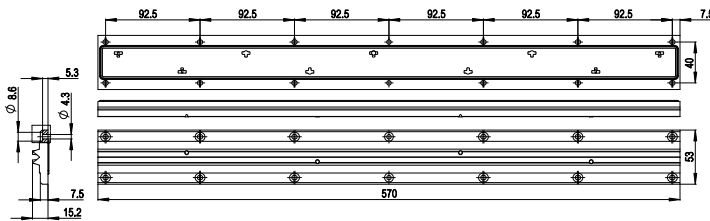
Light distribution	Type	Ref. No.	Light transmission	Efficiency %	Weight g	Dimensions (LxWxH) mm	Packaging unit pcs.
Wide 90°	96700	571820	clear	91	137	570x53x9.5	84
Batwing 145°	96701	571821	clear	90	156	570x53x15	70
Medium 60°	96703	571823	klar	90	139	570x53x10.5	84

* Measured on a white luminaire sheet

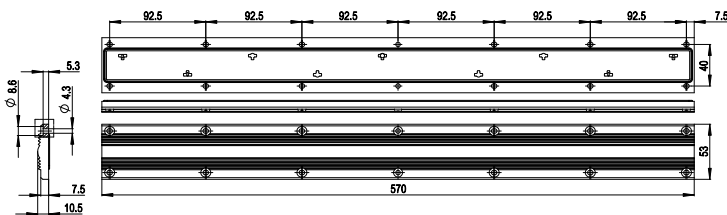
Type 96700 – Wide 90°



Type 96701 – Batwing 145°



Type 96703 – Medium 60°

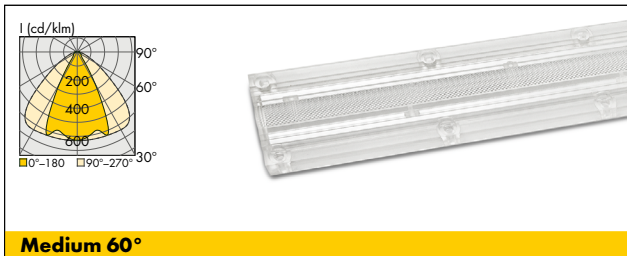


The values contained in this data sheet can change due to technical innovations. Any such changes will be made without separate notification.

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Typ. light distributions with VS LED modules (with Seoul STW8C2PB)

At www.vossloh-schwabe.com you will find further light distribution curves with other LED types as well as all data in .ldt and .ies format for download.



Suitable VS LED modules

Linear Optics 1R for SMD W2 – IP65 are suitable for all W2 LED modules with 560 mm length.

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