

OPTICS 1R LIGHT&BRIGHT



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This high-performance optic features a grid-based design with integrated lenses and 2x Twin LED clusters, specifically engineered to ensure a bright light effect even from lateral viewing angles. As a wide-beam solution, it combines high luminous efficacy with excellent visual comfort and a pixel-free appearance. The system is fully compatible with the VS Light&Dark Pyra40 Series and includes a specialized holder with M3 screw holes and a clip-in function for secure installation. Its translucent finish and soft light transitions make it an ideal choice for technical applications in corridor, residential, and architectural lighting.

The lenses are optimized for four 3030 or 2835 midpower LEDs from the leading LED manufacturers.

PRELIMINARY

Optics 1R Light&Bright

- **HIGH-QUALITY OPTICAL MATERIALS**
- **OPTICAL EFFICIENCY UP TO 85%**
- **OPTICS WITH TWIN LENS DESIGN (TLD)**
- **BRIGHT LIGHT EFFECT EVEN FROM LATERAL VIEWING ANGLES**
- **OPTICS WITH CONSTANT LIGHT COLOUR OVER BEAM ANGLE (CLC)**



Optics 1R Light&Bright
1Rx7 280 mm

Technical Notes

- For 3030 and 2835 midpower LEDs of common LED manufacturers
- Material: PMMA
- Max. allowed temperature: 80 °C
- Light point distance 40 mm
- Translucent finish and soft light transitions
- For snap-in mounting into the holder



Lighting properties

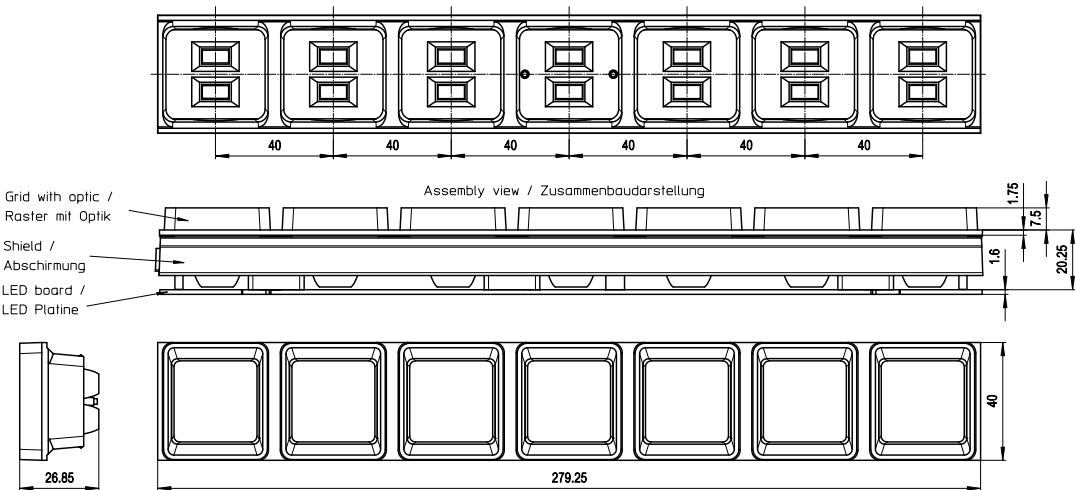
- CLC (constant light colour): very low colour temperature deviations over beam angle
- Bright Light Effect (BLE)
- Single Lenses for two LED: Twin Lens Design (TLD)

Light distribution	Type	Ref. No.	Lighting properties	Type of construction	Efficiency %	Weight g	Packaging unit pcs.
Medium 70°	91552	574605	CLC, BLE, TLD	1Rx7	85	83	30

* Measured with a white grid

Drawings

Type 91552



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 2x2 Seoul 2835 LEDs (STW8A2PD))

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.



Medium 70°

Suitable VS LED modules

For optics 70°

VS LED modules	Module type	Optics type
LED Line SMD W2.5 Light&Bright	MLC SC W2.5/280/x S/28/yz LB G1, MLC SC W2.5/280/x S/28/yz/yz LB G1	1Rx7 70°

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Linear Grid Holder 1R
for Optics 1R Light&Bright
1Rx7 280mm



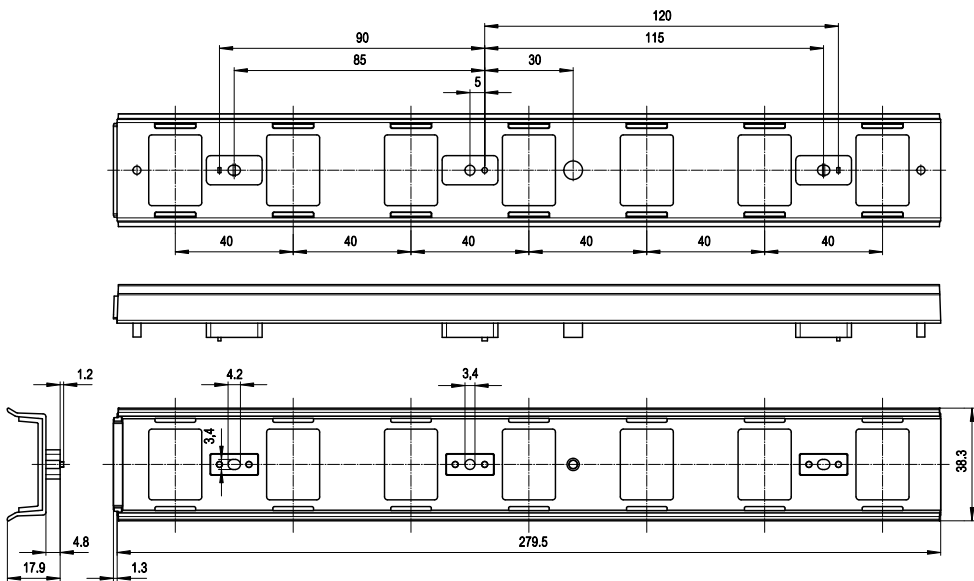
Technical Notes

- Material: PC white
- Max. allowed temperature: 80 °C
- Clip fixing with optics
- Holes for M3 screws and rivets
- Max. tightening torque for M3 screw: 0.5 Nm

Type	Ref. No.	Type of construction	Color	Weight g	Packaging unit pcs.
91500	574606	1Rx7	white	13	70

Drawing

Type 91500



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