

# LINEAR OPTICS 1R FOR SMD LIGHT&DARK MINI



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The highly efficient optics with light emission angles of 35° and 55°, especially in conjunction with a grid, offer very glare-free light with high color consistency (CLC) while at the same time ensuring maximum uniformity of lighting.

The optics have a light point distance and are available in the design 1Rx14.

The optics are fixed together with the module by a screw and a grid can subsequently be snapped onto the optics.

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

### Linear Optics 1R for SMD Light&Dark Mini

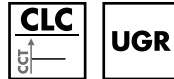
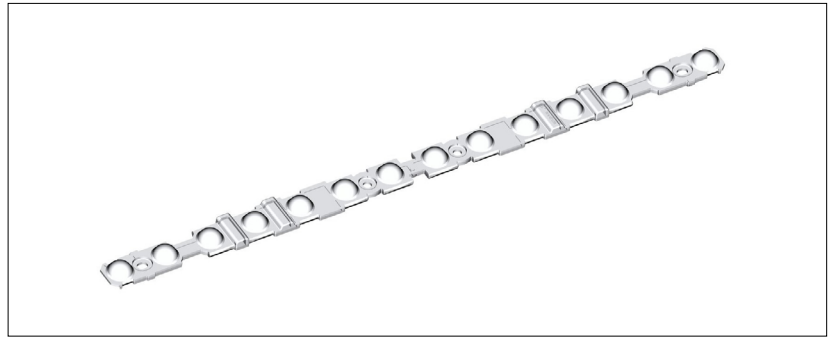
- **HIGH-QUALITY OPTICAL MATERIALS**
- **OPTICAL EFFICIENCY UP TO 84%**
- **LIGHT EMISSION ANGLE 35° AND 55° FOR HIGH UNIFORMITY**
- **OPTICS WITH CONSTANT LIGHT COLOUR OVER BEAM ANGLE (CLC)**
- **UGR OPTIMIZED OPTICS FOR GRIDS**



# Linear Optics 1R for SMD Light&Dark Mini 1Rx14 280 mm

### Technical Notes

- For one midpower LED per lens
- Material: PMMA
- Max. allowed temperature: 80 °C
- Light point distance 20 mm
- Through holes for M3 screws and rivets
- Max. tightening torque for M3 screw: 0.5 Nm



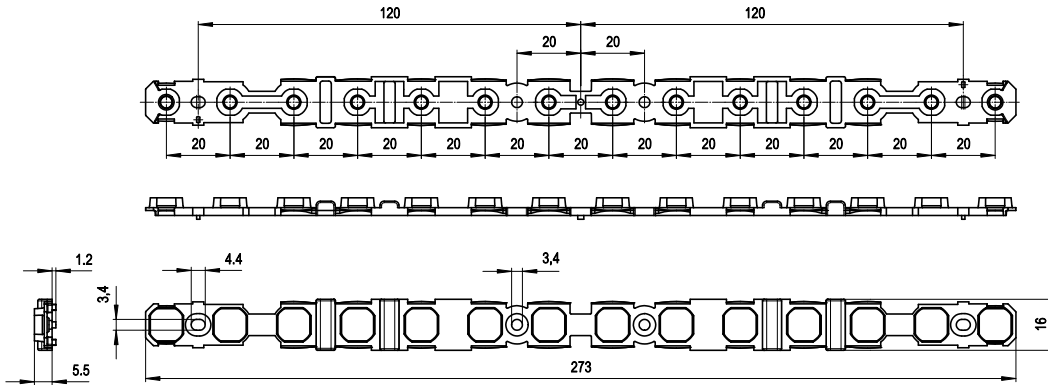
### Lighting properties

- CLC (constant light colour): very low colour temperature deviations over beam angle
- UGR: optimized glare reduction

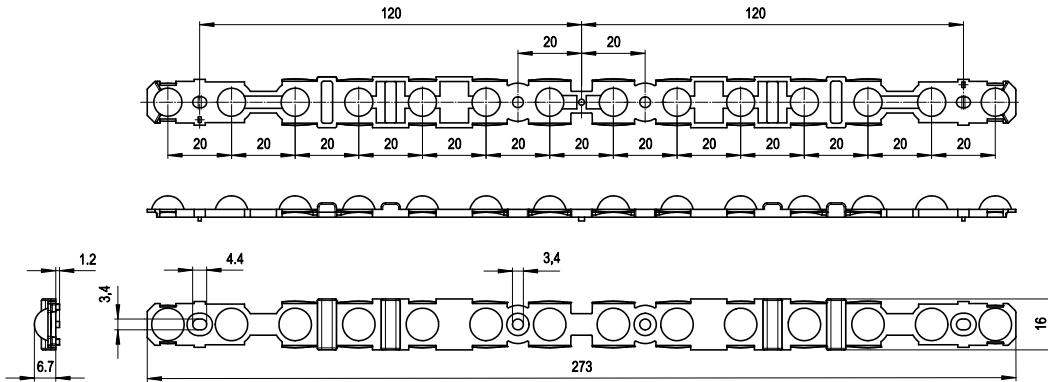
Light distribution	Type	Ref. No.	Lighting properties	Type of construction	Efficiency %	Weight g	Packaging unit pcs.
Narrow 35°	91653	<b>574276</b>	UGR, CLC	1Rx14	80	11	t.b.d.
Medium 55°	91651	<b>574274</b>	UGR, CLC	1Rx14	84	11	t.b.d.

\* Measured with a white grid

### Type 91653



### Type 91651



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 (According to module data sheet)

At [www.vossloh-schwabe.com](http://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

For optics 35° and 55°

VS LED modules	Module type	Optics type
LED Line SMD W2.5 Light&Dark Mini	MLC SC W2/280/x S/14/yz G1	1Rx1.4 35°, 55°

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