

OPTICS FOR LIGHT&DARK SINGLE PYRA40



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The high-efficiency Single optics (35° beam angle), specifically designed for use with the Light&Dark Single grid, provide superior glare control and high color consistency (CLC). Featuring an advanced collimator design, the system ensures maximum illuminance uniformity even at low mounting heights or close-range applications.

For streamlined assembly, the single optics clip directly into the grids, which then snaps securely onto the dedicated grid holder.

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

Optics for Light&Dark Single

- **HIGH-QUALITY OPTICAL MATERIALS**
- **OPTICAL EFFICIENCY UP TO 89%**
- **LIGHT EMISSION ANGLE 35° WITH HIGH UNIFORMITY**
- **OPTICS WITH CONSTANT LIGHT COLOUR OVER BEAM ANGLE (CLC)**
- **UGR OPTIMIZED OPTICS FOR GRIDS**



Optics for Light&Dark Single Pyra40

Technical Notes

- For four LEDs per lens (2835 or 3030).
- Material: PMMA
- Max. allowed temperature: 80 °C
- Optics for snap-in mounting into the grid

Lighting properties

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

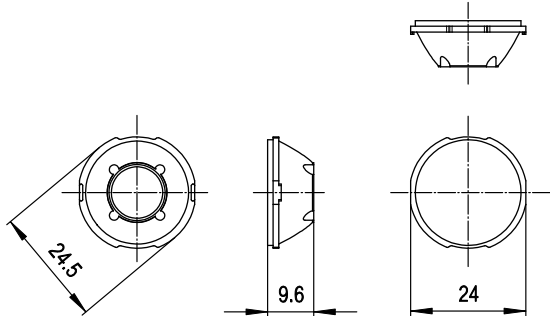


Light distribution	Type	Ref. No.	Lighting properties	Type of construction	Efficiency white grid %	Efficiency black grid	Weight g	Packaging unit pcs.
Narrow 35°	91454	574607	UGR, CLC	Single	89	86	2.9	720

* Measured in luminaire profile

Drawing

Type 91454



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.



Suitable VS LED modules

VS LED modules	Module type	Optics type
LED Line SMD W2.5 Light&Dark	WU-M-684	35°
	WU-M-685	
	WU-M-696	
	WU-M-684-LV	
	WU-M-685-LV	
	WU-M-696-LV	
LED Line SMD W2.5 Light&Dark Gen.2	MLC SC W2.5/140/x 5/16/yz G2	
	MLC SC W2.5/280/x 5/28/yz G2	
	MLC SC W2.5/560/x 5/56/yz G2	
	MLC SC W2.5/140/x 5/16/yz LV G2	
	MLC SC W2.5/280/x 5/28/yz LV G2	
	MLC SC W2.5/560/x 5/56/yz LV G2	
LED Line SMD W2.5 Light&Dark TW	WU-M-694	
	WU-M-695	
LED Line SMD W2.5 Light&Dark TW Gen.2	MLC SC W2.5/280/x 5/28/yz/yz G2	
LED Line SMD W2.5 Light&Dark Full Spectrum	WU-M-684-SL	
	WU-M-684-SL-LV	
LED SMD Light&Dark Square	WU-M-709	
	WU-M-709-LV	

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