

# OptiLine 3x11 Extra wide

31.930

3x11 Optics - Extra wide



pkg wt. part no.  
100 106.4 g 31.930.-488.85

3x11 Optics for LED modules according to **ZZ** Zhaga Book 7

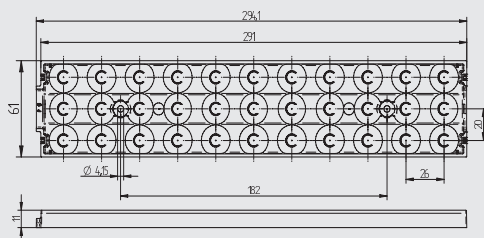
3D injection optics of PMMA  
Beam angle: Extra wide  
Optimised for 5630 LED

Screw fixing

**Area of application:**

For use in continuous linear applications

- Improved visibility and contrast of the illuminated areas
- Good and uniform light distribution



Parameter	
Height	11 mm
Width	61 mm
Length	291 mm
Type of fixing	Screw fixing (1.2 Nm); for screws M4
Type of LED	2835, 3030, 5630
Material	PMMA
Colour	clear
Surface outside	high glossy
Light distribution	extra wide
Full width at half maximum (FWHM)	99.2° (Lextar PC56H19)
Optical efficiency	97.5% (Lextar PC56H19)
UGR@ 1100	≤ 21
IP	IP 20
Operating temperature	max. 80 °C

The presented information are for reference only. All lighting parameters are typical values.  
The light distribution depends on the used LED type, position tolerance, chip size and used colour.

Light distribution (measured with Lextar PC56H19 )

