

TINA-O

~35° x 15° oval beam optimized for LUXEON Rebel. Assembly with holder and installation tape.

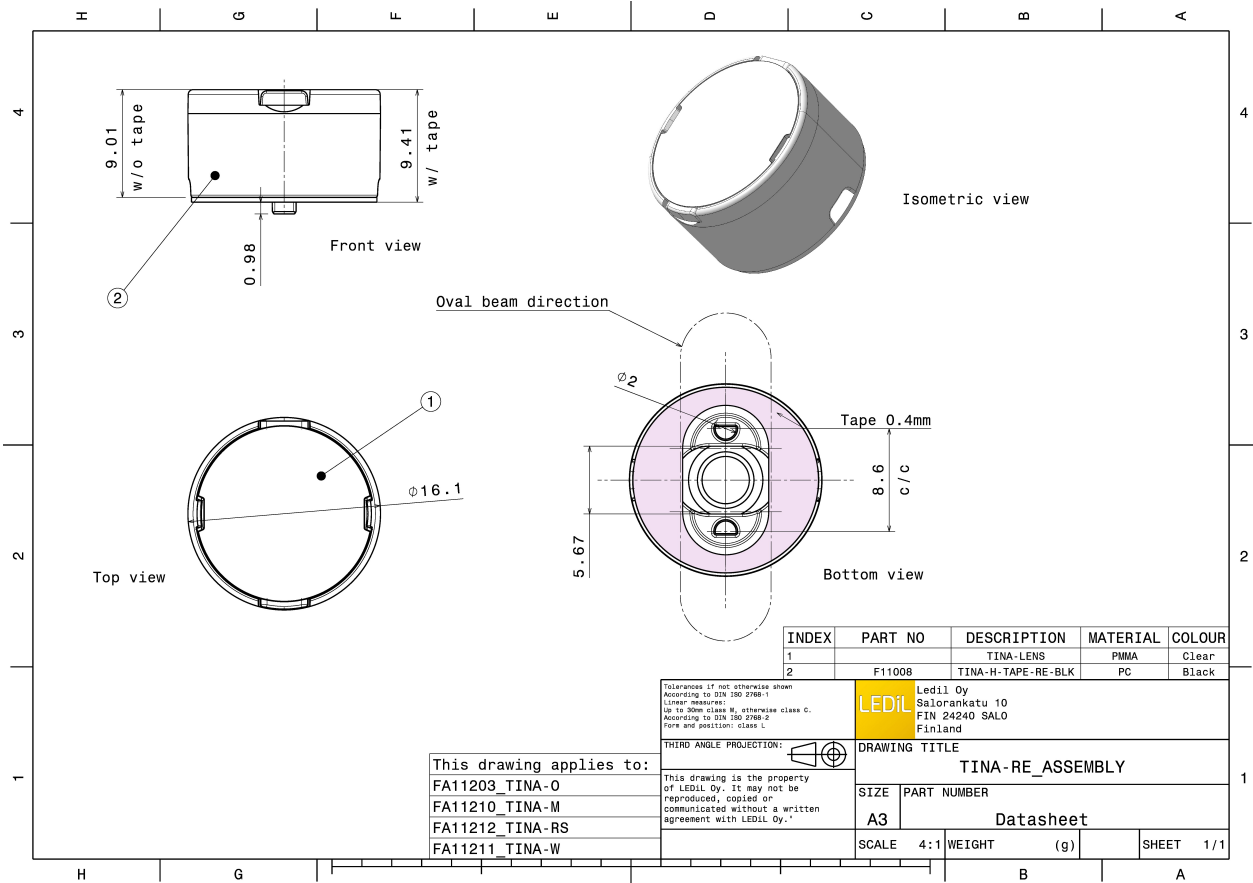
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	9.4 mm
Fastening	tape, pin
Colour	black
Box size	
Box weight	4.1 kg
Quantity in Box	2016 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

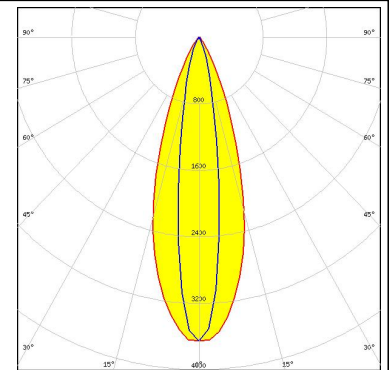
Component	Type	Material	Colour
TINA-XP-O	Lens	PMMA	clear
TINA-H-TAPE-RE-BLK	Holder	PC	black
TINA-TAPE3	Tape	PU tape	black



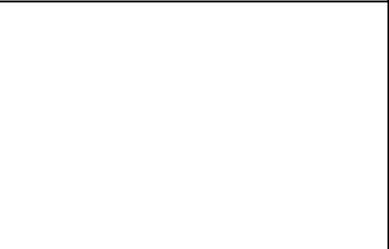
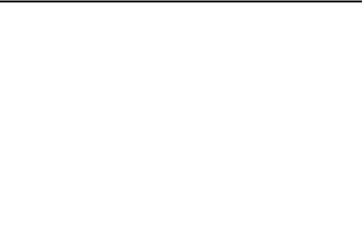
PHOTOMETRIC DATA (MEASURED):



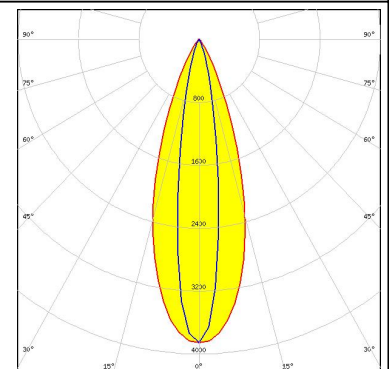
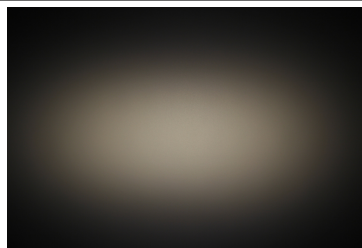
LED XB-H
FWHM 35.0 + 17.0°
Efficiency 83 %
Peak intensity 3.700 cd/lm
Required components:



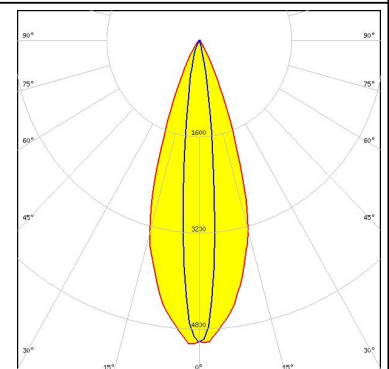
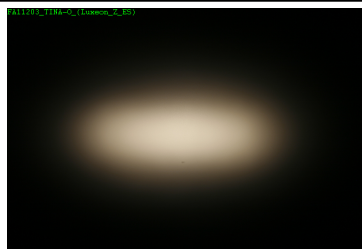
LED LUXEON Rebel
FWHM 34.0 + 18.0°
Efficiency 89 %
Peak intensity 2.300 cd/lm
Required components:



LED LUXEON TX
FWHM 36.0 + 17.0°
Efficiency 84 %
Peak intensity 3.800 cd/lm
Required components:



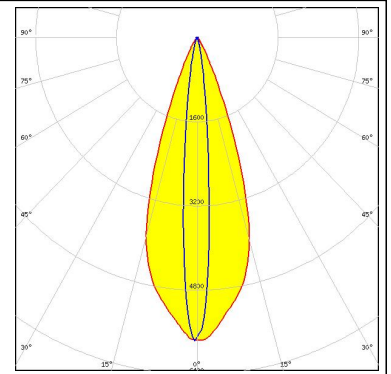
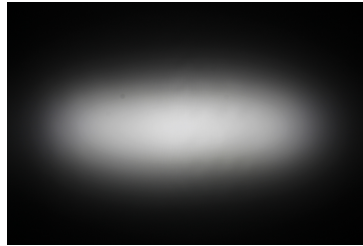
LED LUXEON Z ES
FWHM 36.0 + 13.0°
Efficiency 85 %
Peak intensity 5.000 cd/lm
Required components:



PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

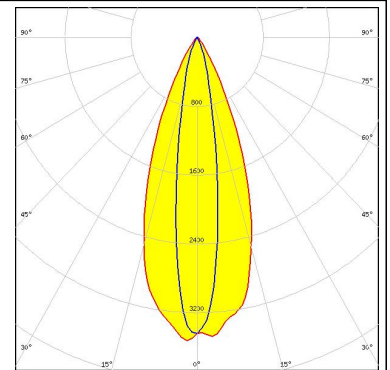
LED Oslon Black Flat
FWHM 37.0 + 10.0°
Efficiency 85 %
Peak intensity 5.800 cd/lm
Required components:



PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

LED LUXEON H50-2
FWHM 16.0 + 40.0°
Efficiency 89 %
Peak intensity 3.500 cd/lm
Required components:



LUMILEDS

LED LUXEON T
FWHM 40.0 + 16.0°
Efficiency 89 %
Peak intensity 3.600 cd/lm
Required components:



GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

MATERIALS:

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