TINA-O

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



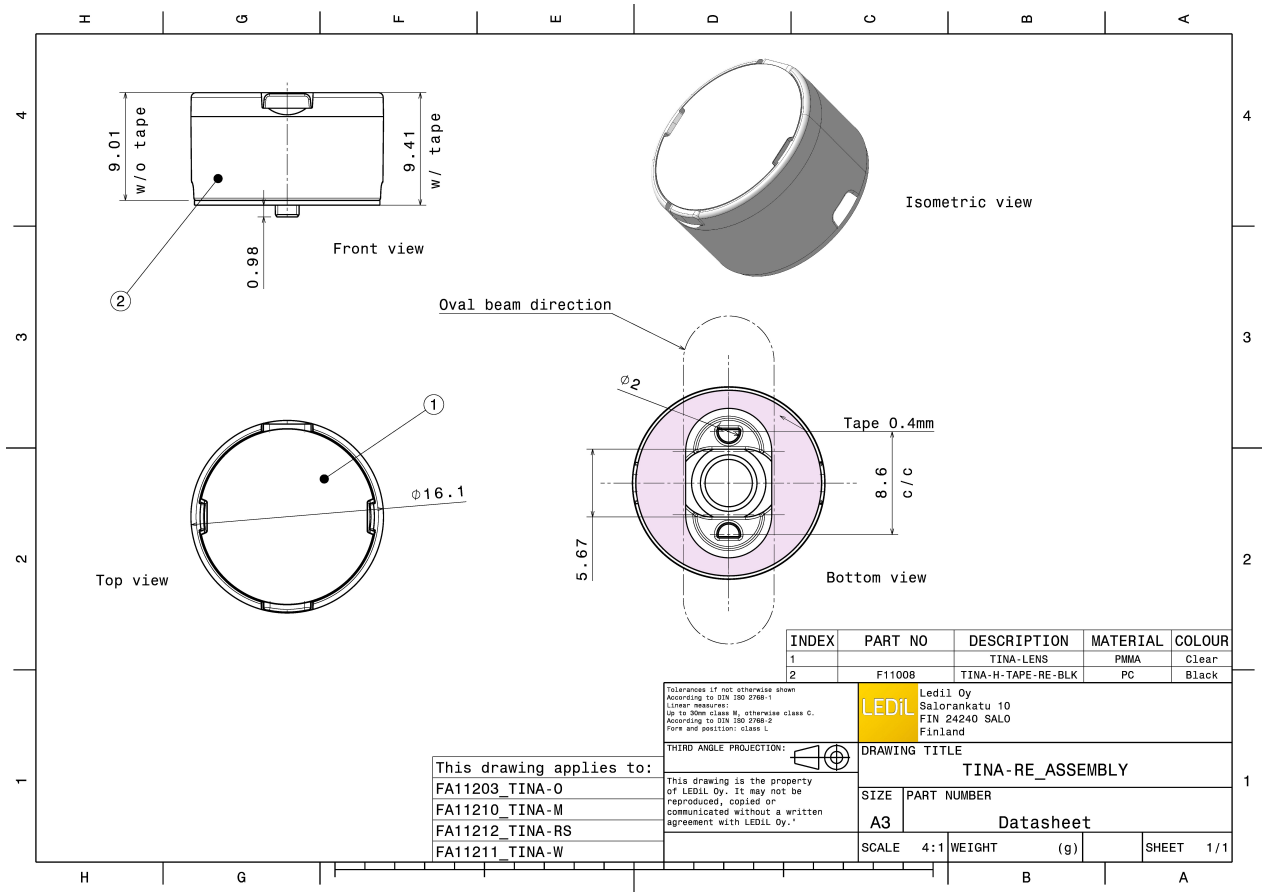
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	9.4 mm
Fastening	tape, pin
Colour	black
Box size	
Box weight	0 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

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INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1		TINA-LENS	PMMA	Clear
2	F11008	TINA-H-TAPE-RE-BLK	PC	Black

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class B, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

Ledil Oy
Salorankatu 10
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Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
TINA-RE_ASSEMBLY

SIZE A3 | PART NUMBER Datasheet

SCALE 4:1 | WEIGHT (g) | SHEET 1/1

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This drawing applies to:
FA11203_TINA-O
FA11210_TINA-M
FA11212_TINA-RS
FA11211_TINA-W

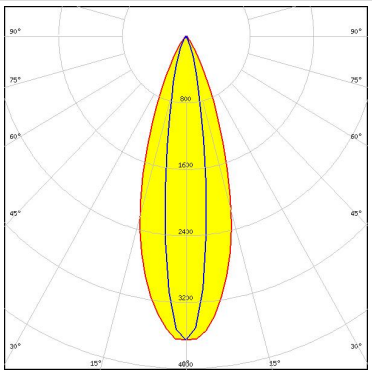
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PHOTOMETRIC DATA (MEASURED):

CREE

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





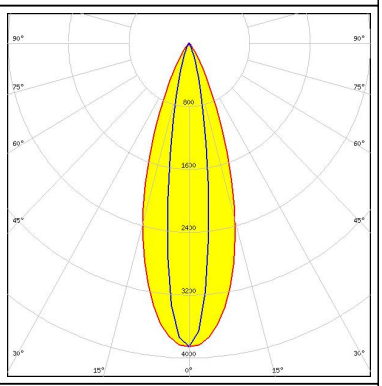
LUMILEDS

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

LUMILEDS

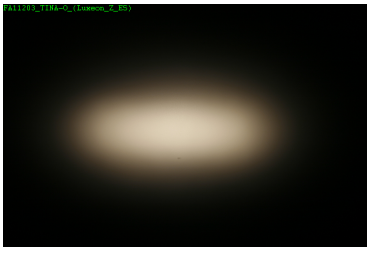
LED	LUXEON TX
FWHM	36.0 + 17.0°
Efficiency	84 %
Peak intensity	3.800 cd/lm
Required components:	

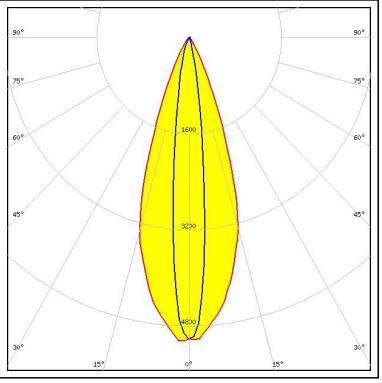




LUMILEDS

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





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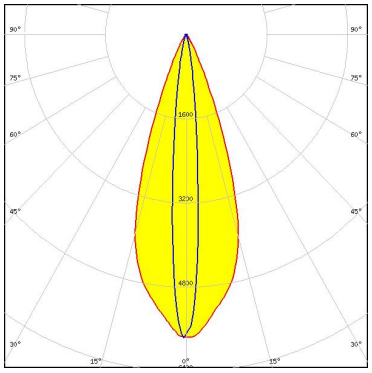
PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

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

Required components:



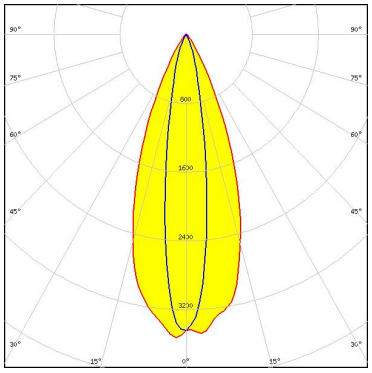


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PHOTOMETRIC DATA (SIMULATED):

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:	



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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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