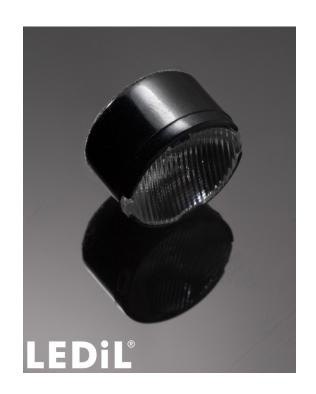


TINA-O

 $\sim\!35^\circ$ x 15° oval beam optimized for LUXEON Rebel. Assembly with holder, installation tape and location pins.

SPECIFICATION:

Dimensions	Ø 16.1 mm
Height	9.4 mm
Fastening	tape, pin
ROHS compliant	yes 🕕



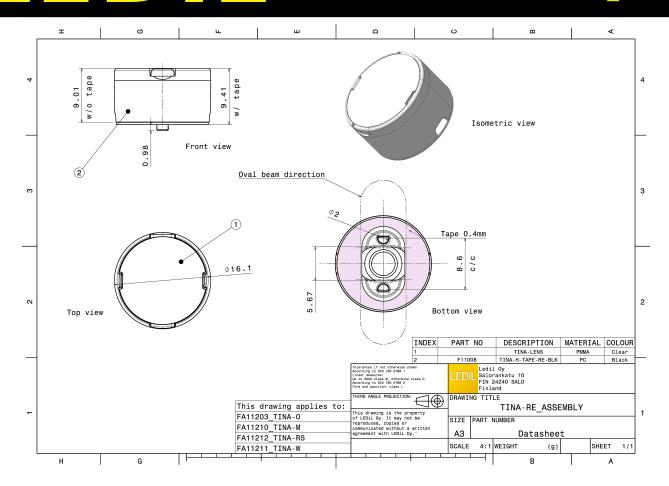
MATERIALS:

Component	Туре	Material	Colour	Finish
TINA-XP-O	Single lens	PMMA	clear	
TINA-H-TAPE-RE-BLK	Holder	PC	black	
TINA-TAPE3	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA11203_TINA-O	Single lens	2016	288	144	4.1
» Box size:					

PRODUCT DATASHEET FA11203_TINA-O



See also our general installation guide: www.ledil.com/installation_guide



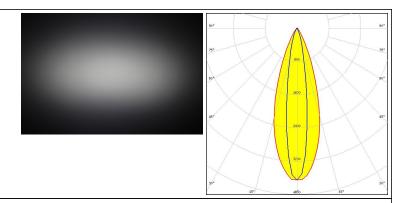
OPTICAL RESULTS (MEASURED):

CREE . LED

LED XB-H

FWHM / FWTM 35.0 + 17.0° / 61.0 + 38.0°

Efficiency 83 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LUMILEDS

LED LUXEON Rebel

FWHM / FWTM 34.0 + 18.0° / 64.0 + 42.0°

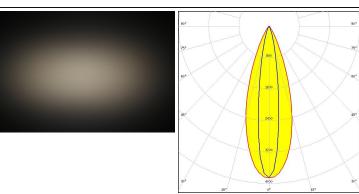
Efficiency 89 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

MUMILEDS

LED LUXEON TX

FWHM / FWTM 36.0 + 17.0° / 61.0 + 36.0°

Efficiency 84 %
Peak intensity 3.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

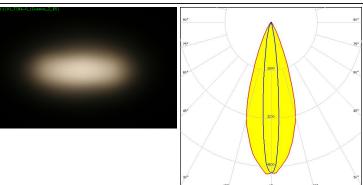


DESCRIPTION LUMILEDS

LED LUXEON Z ES

FWHM / FWTM $36.0 + 13.0^{\circ} / 57.0 + 28.0^{\circ}$

Efficiency 85 %
Peak intensity 5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



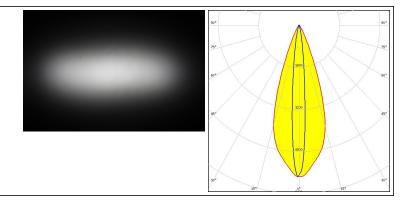


OPTICAL RESULTS (MEASURED):

OSRAM Opto Semiconductors

LED OSLON Black Flat
FWHM / FWTM 37.0 + 10.0° / 55.0 + 23.0°

Efficiency 85 %
Peak intensity 5.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:





OPTICAL RESULTS (SIMULATED):

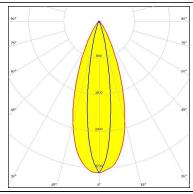
CREE . LED

LED XB-D

FWHM / FWTM $39.0 + 18.0^{\circ} / 67.0 + 36.0^{\circ}$

Efficiency 87 % Peak intensity 3.3 cd/lm LEDs/each optic Light colour White

Required components:



MUMILEDS

LED LUXEON H50-2

FWHM / FWTM 16.0 + 40.0° / 36.0 + 64.0°

Efficiency 89 % Peak intensity 3.5 cd/lm LEDs/each optic 1 White Light colour Required components:

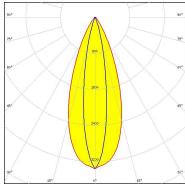
LUMILEDS

LED LUXEON HL2Z

FWHM / FWTM $40.0 + 18.0^{\circ} / 68.0 + 36.0^{\circ}$

Efficiency 89 % Peak intensity 3.4 cd/lm LEDs/each optic 1 Light colour White

Required components:



MUMILEDS

LED LUXEON T

FWHM / FWTM 40.0 + 16.0° / 65.0 + 36.0°

Efficiency 89 % Peak intensity 3.6 cd/lm LEDs/each optic White Light colour Required components:





OPTICAL RESULTS (SIMULATED):

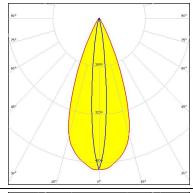


LED NCSxE17A

FWHM / FWTM $42.0 + 12.0^{\circ} / 60.0 + 24.0^{\circ}$

Efficiency 90 % Peak intensity 5.1 cd/lm LEDs/each optic Light colour White

Required components:



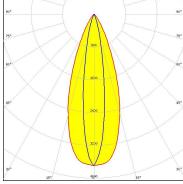
OSRAM Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM 38.0 + 16.0° / 66.0 + 35.0°

Efficiency 89 % Peak intensity 3.7 cd/lm LEDs/each optic 1 Light colour White

Required components:





PRODUCT DATASHEET FA11203_TINA-O

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:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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