

TINA3-OO

~60° + 40° oval beam optimized for CREE XP-E.
Assembly with holder, installation tape and
location pins.

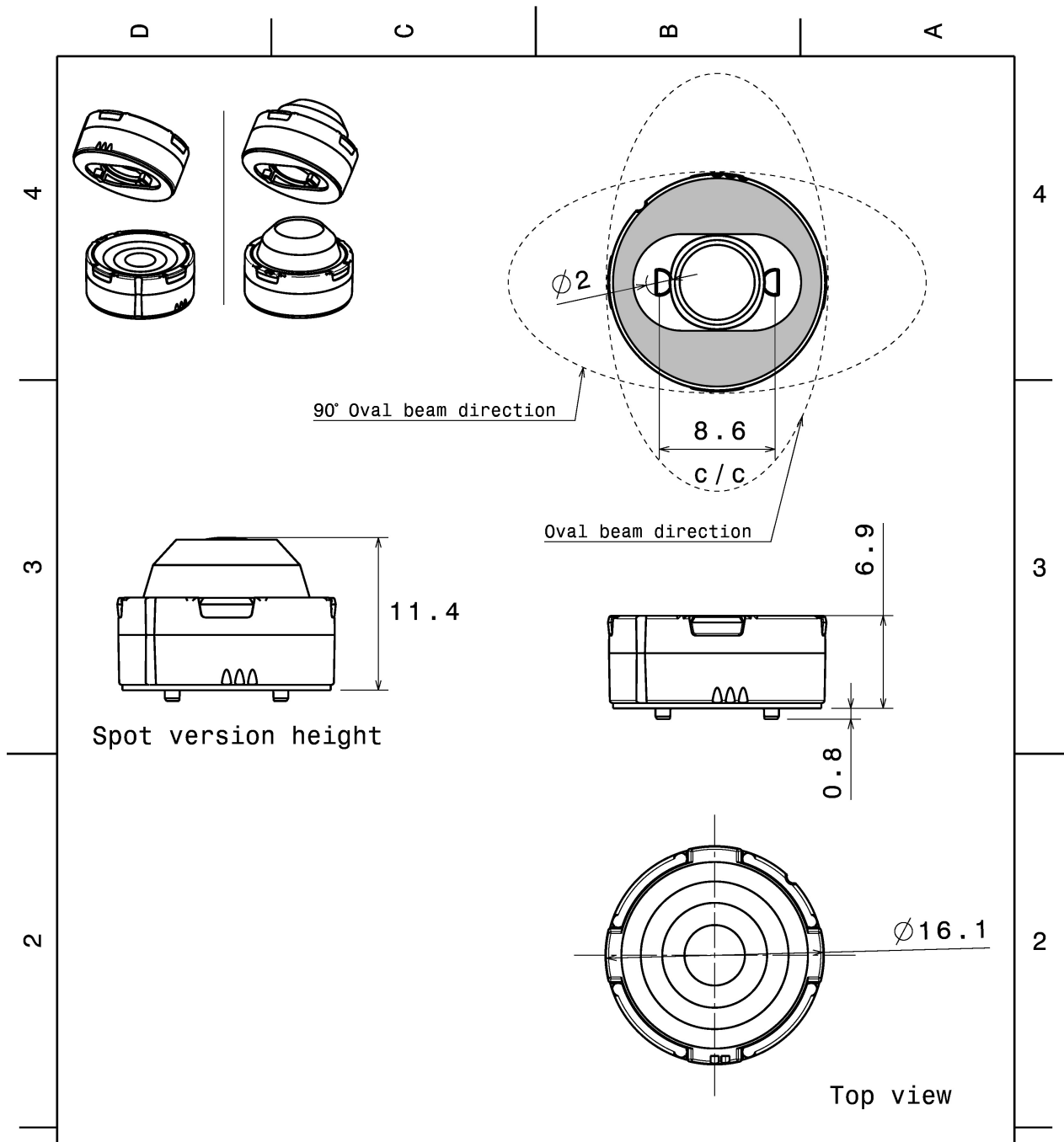
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	6.9 mm
Fastening	tape, pin
Colour	white
Box size	470 x 240 x 105 mm
Box weight	3.1 kg
Quantity in Box	2016 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
TINA3-OO	Single lens	PMMA	clear
TINA3-HLD-PIN-TAPE-XP	Holder	PC	white
TINA-TAPE3	Tape	PU tape	black

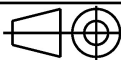


Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class M, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

LEDiL

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:



DRAWING TITLE

TINA3 Datasheet

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SIZE PART NUMBER

A4

-

SCALE 4:3 WEIGHT

-

SHEET 1/1

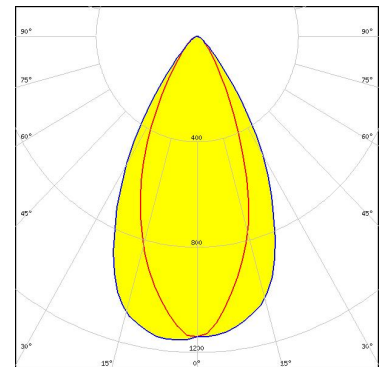
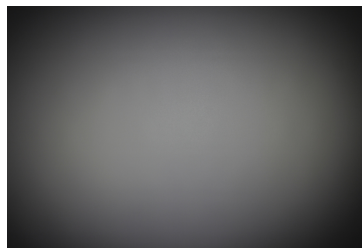
PHOTOMETRIC DATA (MEASURED):

CREE

LED XB-D
FWHM 54.0 + 42.0°
Efficiency 91 %
Peak intensity 0.980 cd/lm
LEDs/each optic 1
Light colour White
Required components:

CREE

LED XB-H
FWHM 59.0 + 43.0°
Efficiency 88 %
Peak intensity 1.100 cd/lm
LEDs/each optic 1
Light colour White
Required components:

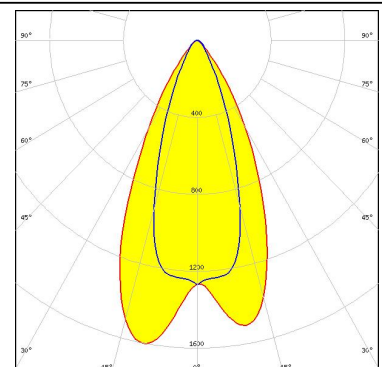


CREE

LED XP-E
FWHM 52.0 + 35.0°
Efficiency 93 %
Peak intensity 1.660 cd/lm
LEDs/each optic 1
Light colour White
Required components:

CREE

LED XP-G
FWHM 51.0 + 39.0°
Efficiency 93 %
Peak intensity 1.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

LUMILEDS

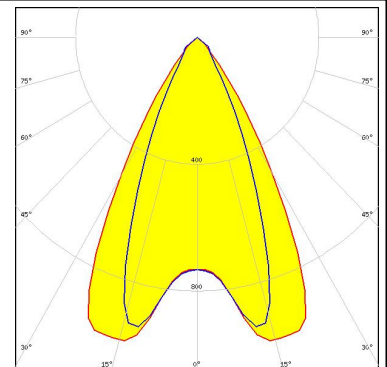
LED LUXEON A
FWHM 46.0 + 60.0°
Efficiency %
Peak intensity cd/lm
LEDs/each optic 1
Light colour White
Required components:

LUMILEDS

LED LUXEON Rebel
FWHM 58.0 + 38.0°
Efficiency 83 %
Peak intensity 1.270 cd/lm
LEDs/each optic 1
Light colour White
Required components:

LUMILEDS

LED LUXEON Rebel ES
FWHM 60.0 + 46.0°
Efficiency 92 %
Peak intensity 1.010 cd/lm
LEDs/each optic 1
Light colour White
Required components:



NICHIA

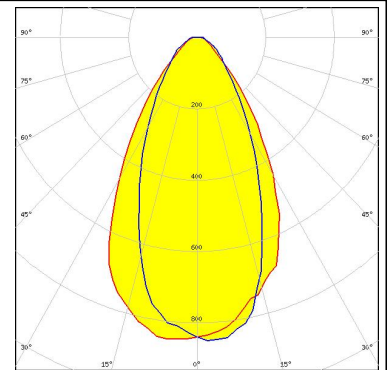
LED NVSxx19A
FWHM 62.0 + 48.0°
Efficiency 93 %
Peak intensity 0.860 cd/lm
LEDs/each optic 1
Light colour White
Required components:

PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

LED Oslon Square EC
FWHM 62.0 + 50.0°
Efficiency 87 %
Peak intensity 0.840 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

LED Oslon SSL 150
FWHM 53.0 + 36.0°
Efficiency 90 %
Peak intensity 1.500 cd/lm
LEDs/each optic 1
Light colour White
Required components:

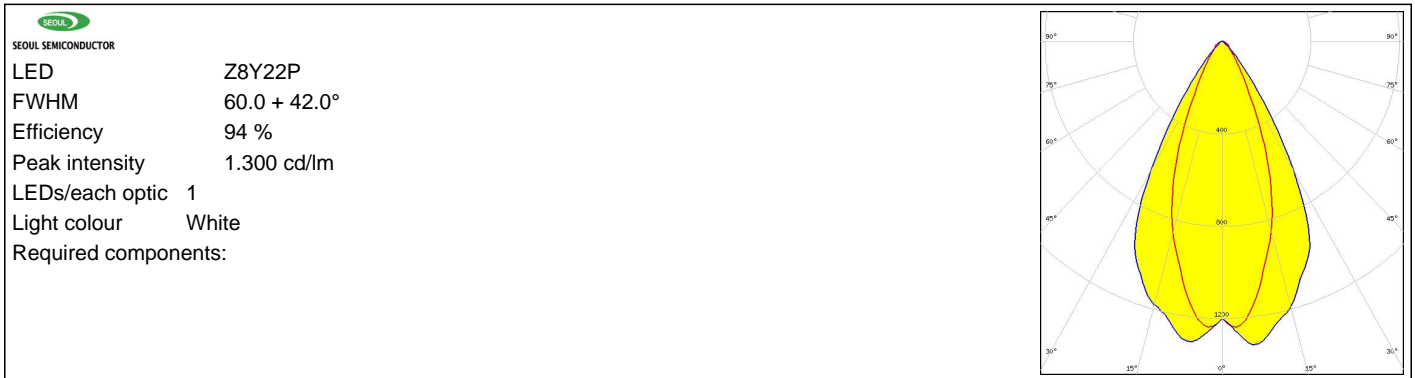
OSRAM

Opto Semiconductors

LED Oslon SSL 80
FWHM 36.0 + 52.0°
Efficiency 88 %
Peak intensity 1.380 cd/lm
LEDs/each optic 1
Light colour White
Required components:

SetPlotSize(10); if range error = min 20; else;

PHOTOMETRIC DATA (SIMULATED):



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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LEDiL Oy

Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

Local sales and technical support

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)

Shipping locations

Salo, Finland
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