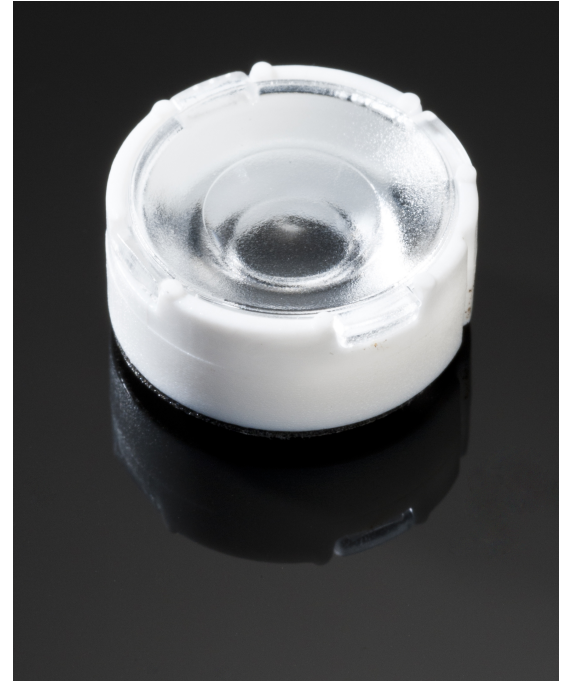


TINA3-WWW

~70° wide beam optimized for CREE XP-E.
Assembly with holder, installation tape and
location pins.

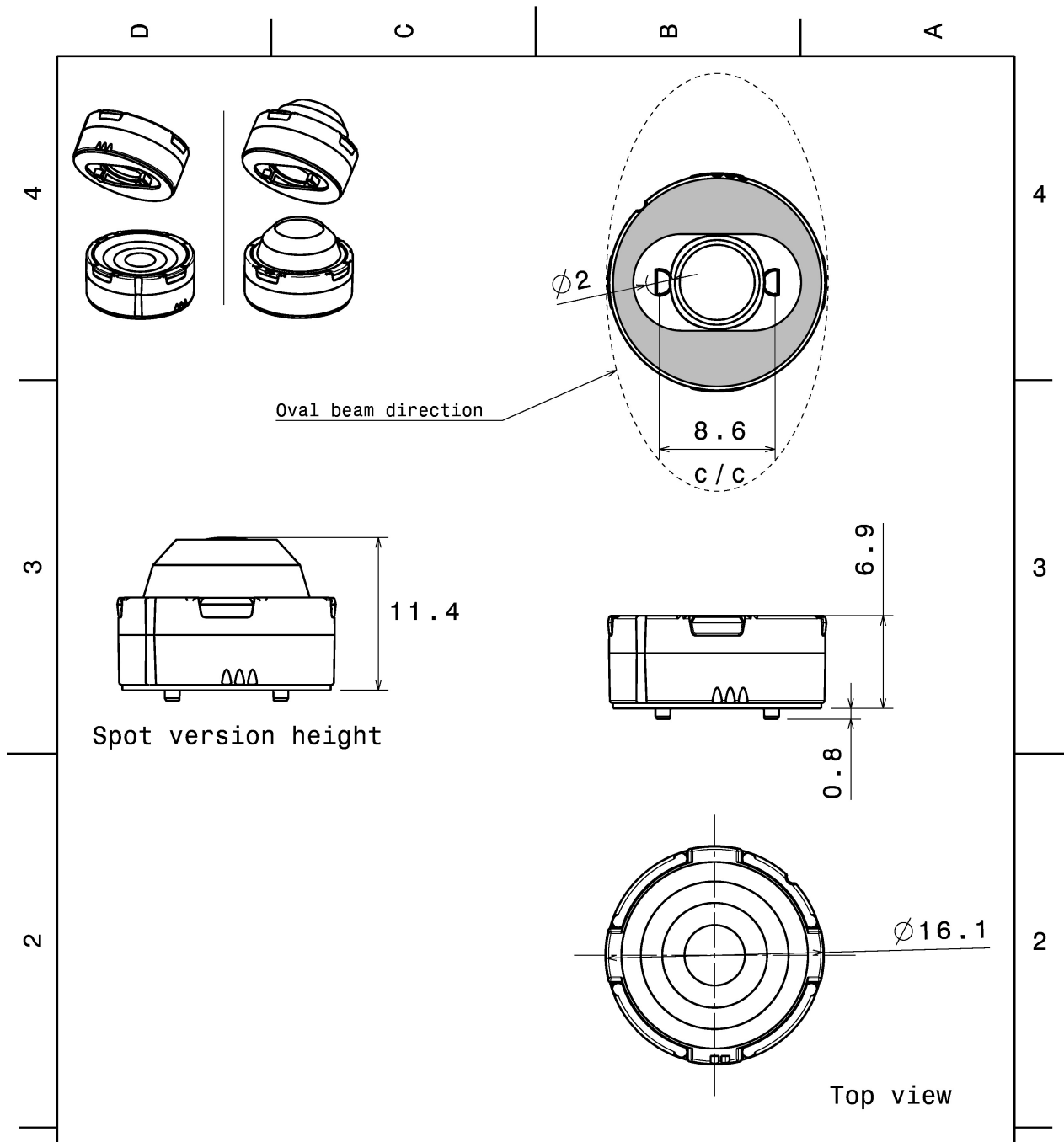
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	6.9 mm
Fastening	tape, pin
Colour	white
Box size	
Box weight	3.9 kg
Quantity in Box	2016 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
TINA3-WWW	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 Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
TINA3 Datasheet

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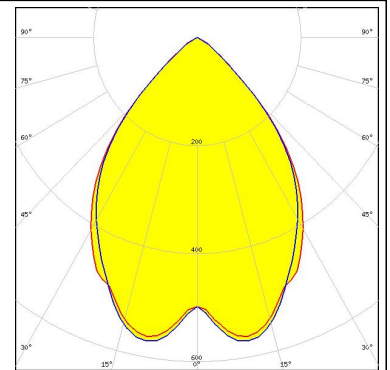
SIZE	PART NUMBER
A4	-

SCALE	WEIGHT	SHEET
4:3	-	1/1

PHOTOMETRIC DATA (MEASURED):

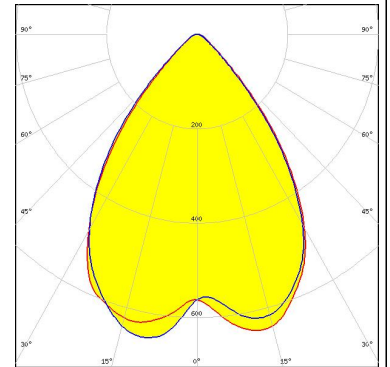
CREE

LED XP-G
 FWHM 77.0°
 Efficiency 92 %
 Peak intensity 0.500 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



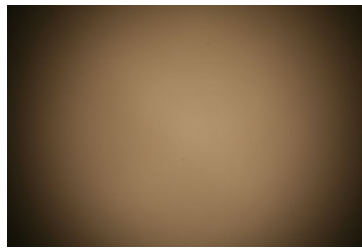
CREE

LED XP-L HI
 FWHM 77.0°
 Efficiency 90 %
 Peak intensity 0.670 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



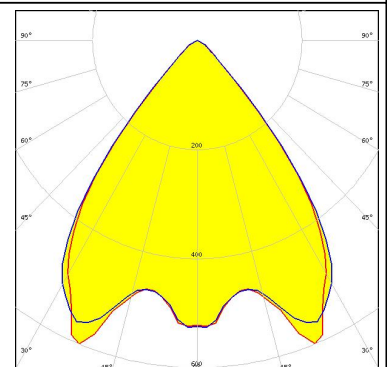
LUMILEDS

LED LUXEON A
 FWHM 80.0°
 Efficiency 90 %
 Peak intensity 0.500 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

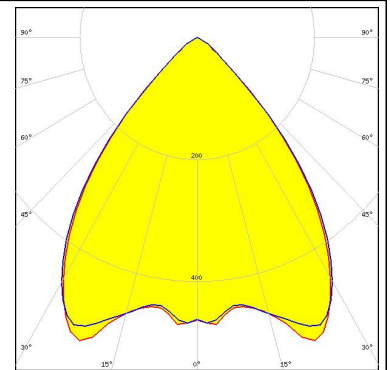
LED LUXEON Rebel
 FWHM 77.0°
 Efficiency 81 %
 Peak intensity 0.520 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



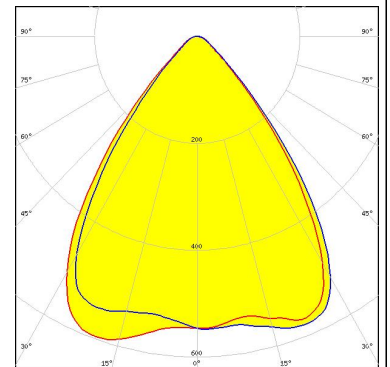
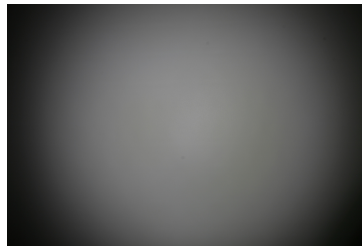
PHOTOMETRIC DATA (MEASURED):



LED LUXEON Rebel ES
FWHM 80.0°
Efficiency 91 %
Peak intensity 0.460 cd/lm
LEDs/each optic 1
Light colour White
Required components:



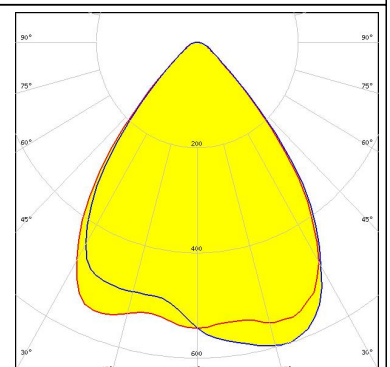
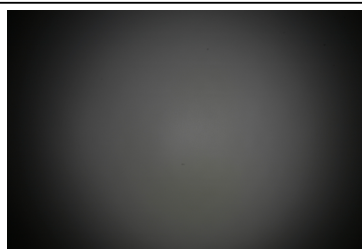
LED NF2x757A
FWHM 76.0°
Efficiency 88 %
Peak intensity 0.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NVSxx19A
FWHM 78.0°
Efficiency 91 %
Peak intensity 0.550 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED Duris S5 (2 chip)
FWHM 80.0°
Efficiency 88 %
Peak intensity 0.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:



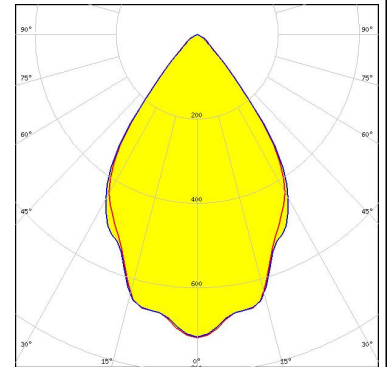
PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED OSLON SSL 150
FWHM 68.0°
Efficiency 88 %
Peak intensity 0.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:

OSRAM
Opto Semiconductors

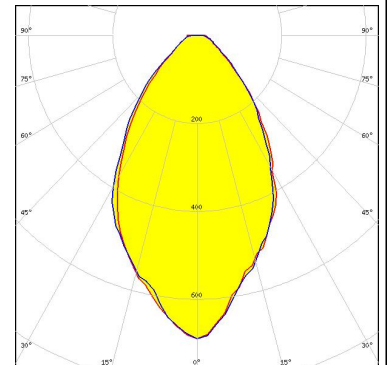
LED OSLON SSL 80
FWHM 69.0°
Efficiency 88 %
Peak intensity 0.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SEOL

SEOUL SEMICONDUCTOR

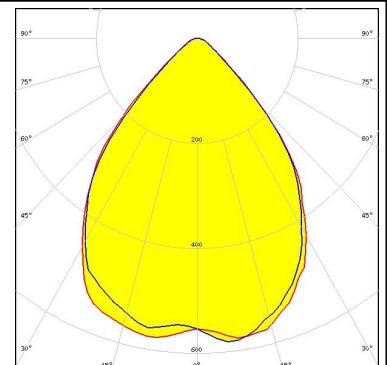
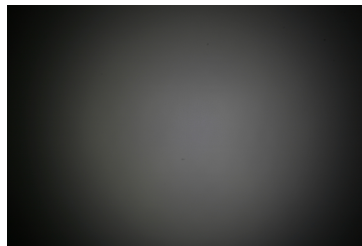
LED Z5
FWHM 62.0°
Efficiency 89 %
Peak intensity 0.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SEOL

SEOUL SEMICONDUCTOR

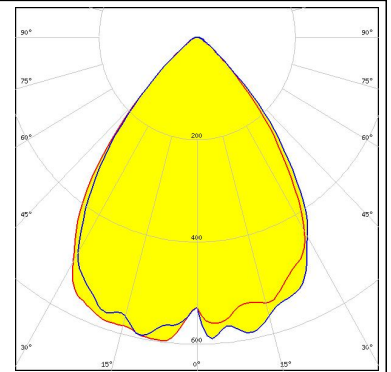
LED Z5M1/Z5M2
FWHM 82.0°
Efficiency 90 %
Peak intensity 0.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):

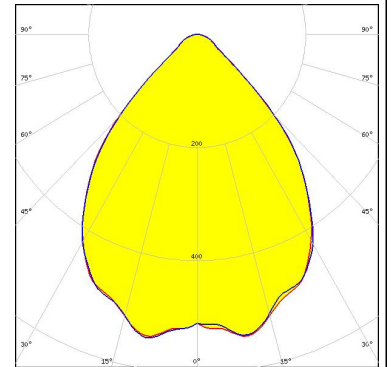


LED NF2x757G
FWHM 75.0°
Efficiency 88 %
Peak intensity 0.610 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SEOUL SEMICONDUCTOR

LED Z8Y22P
FWHM 84.0°
Efficiency 90 %
Peak intensity 0.540 cd/lm
LEDs/each optic 1
Light colour White
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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