

TINA2-R-CLIP16

Mini reflector with ~60° wide beam and clip installation

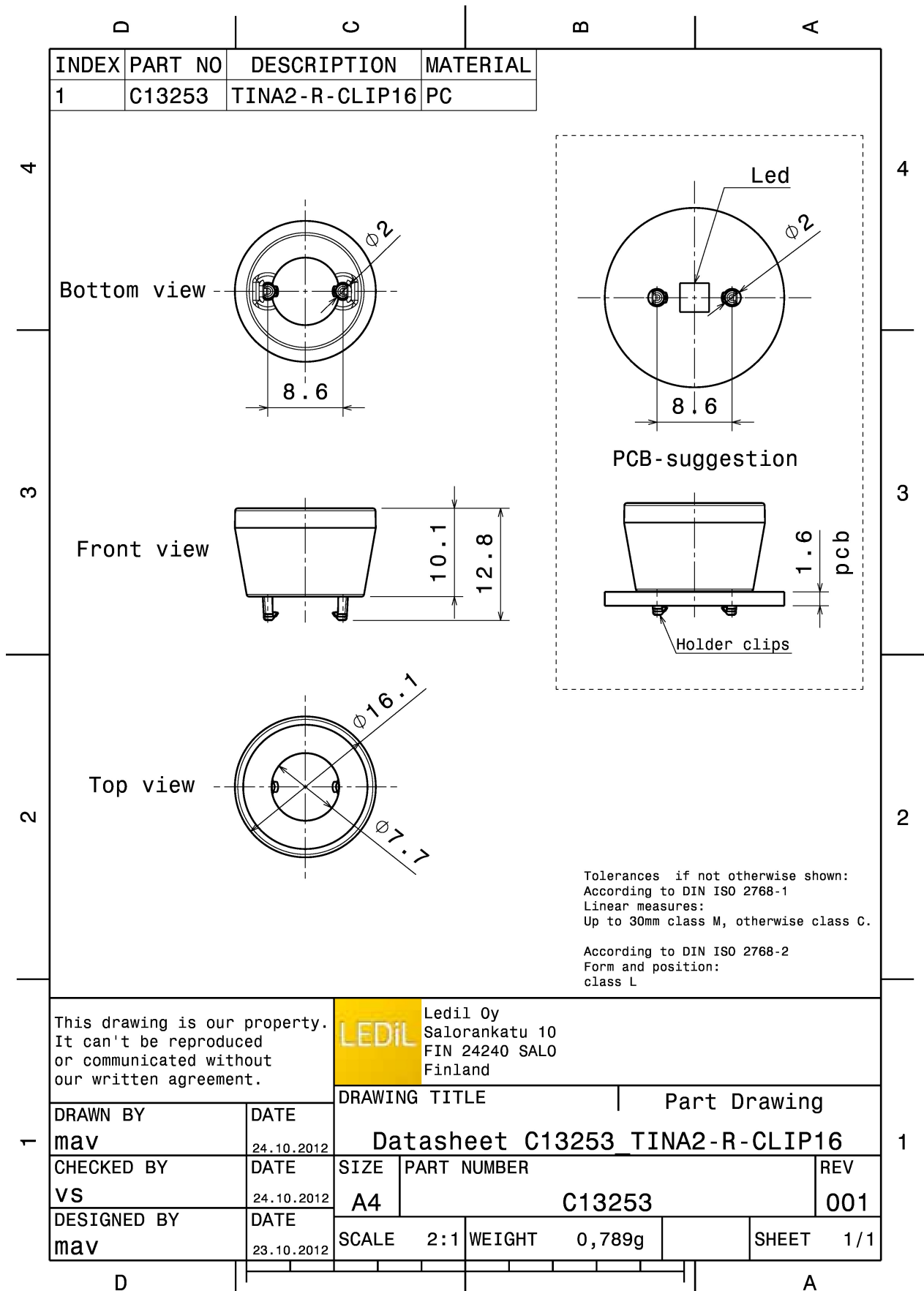
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	10.1 mm
Fastening	clips
Colour	clear
Box size	300 x 250 x 250 mm
Box weight	3.8 kg
Quantity in Box	pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

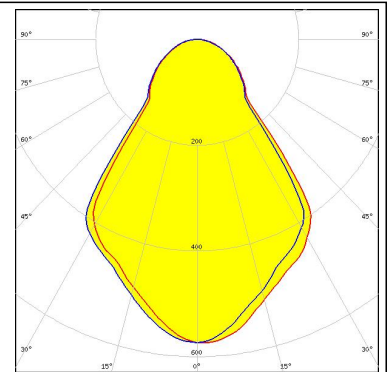
Component	Type	Material	Colour	Coating
TINA2-R-CLIP16	Reflector	HRPC	clear	



PHOTOMETRIC DATA (MEASURED):

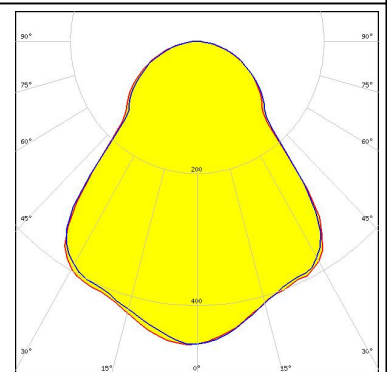
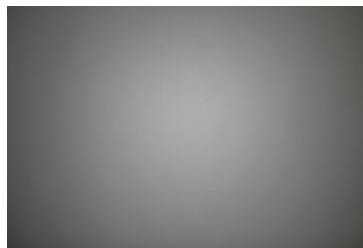
CREE

LED XB-D
 FWHM 73.0°
 Efficiency 90 %
 Peak intensity 0.575 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



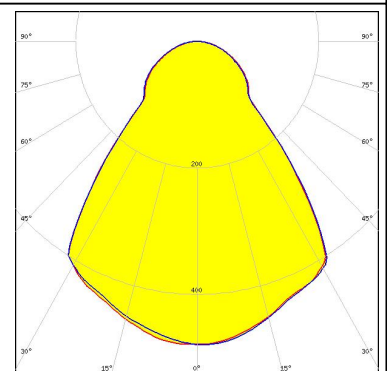
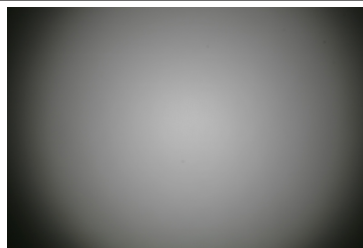
CREE

LED XB-H
 FWHM 81.0°
 Efficiency 92 %
 Peak intensity 0.460 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



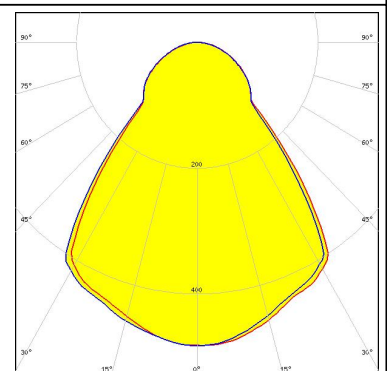
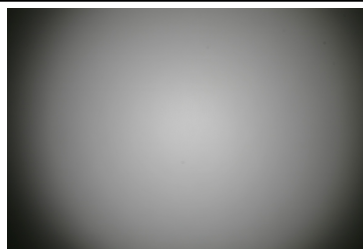
CREE

LED XM-L
 FWHM 78.0°
 Efficiency 88 %
 Peak intensity 0.480 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



CREE

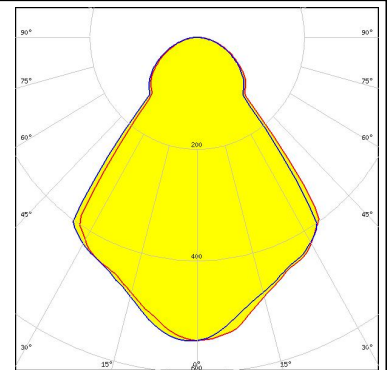
LED XM-L2
 FWHM 78.0°
 Efficiency 90 %
 Peak intensity 0.480 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

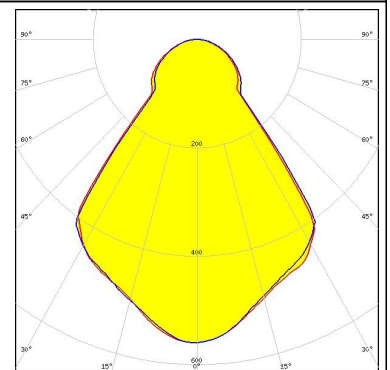
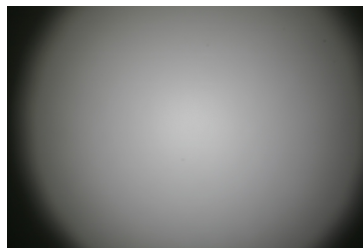
CREE

LED XP-E
 FWHM 74.0°
 Efficiency 90 %
 Peak intensity 0.544 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



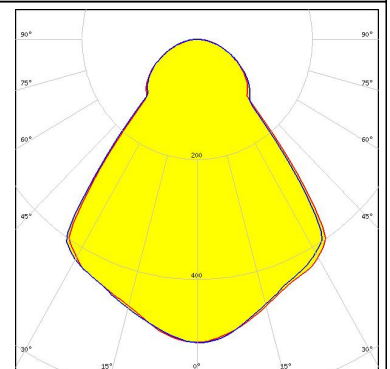
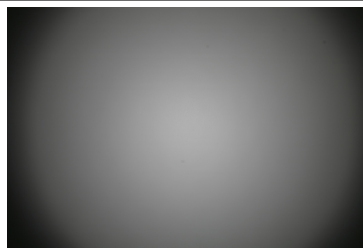
CREE

LED XP-E2
 FWHM 74.0°
 Efficiency 90 %
 Peak intensity 0.560 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



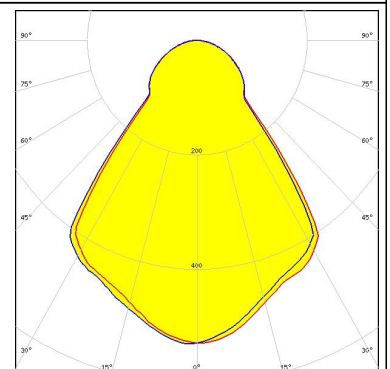
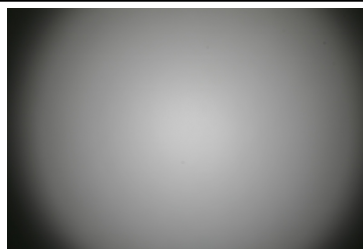
CREE

LED XP-G
 FWHM 77.0°
 Efficiency 90 %
 Peak intensity 0.506 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



CREE

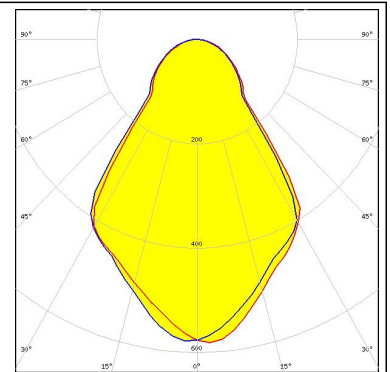
LED XP-G2
 FWHM 75.0°
 Efficiency 89 %
 Peak intensity 0.530 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



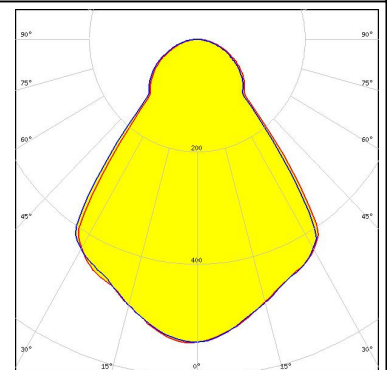
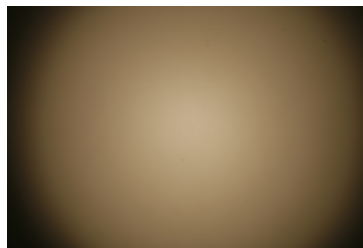
PHOTOMETRIC DATA (MEASURED):



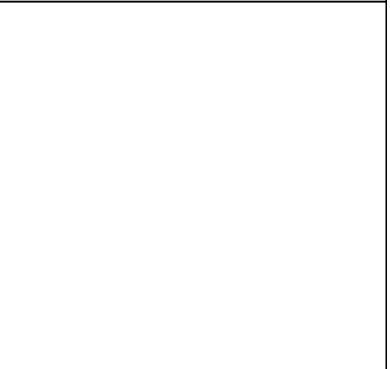
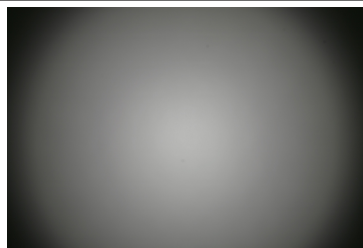
LED XT-E
 FWHM 71.0°
 Efficiency 87 %
 Peak intensity 0.585 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



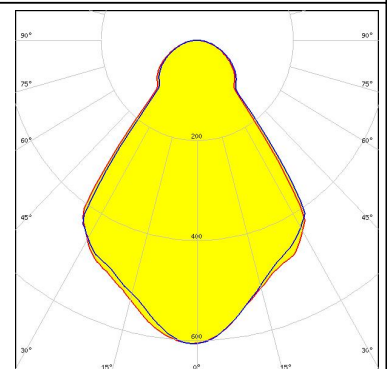
LED LUXEON A
 FWHM 75.0°
 Efficiency 91 %
 Peak intensity 0.540 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON R
 FWHM 75.0°
 Efficiency 89 %
 Peak intensity 0.550 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



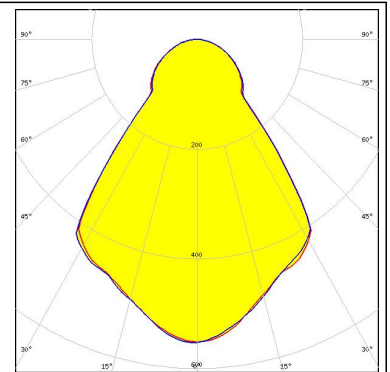
LED LUXEON Rebel
 FWHM 72.0°
 Efficiency 90 %
 Peak intensity 0.607 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

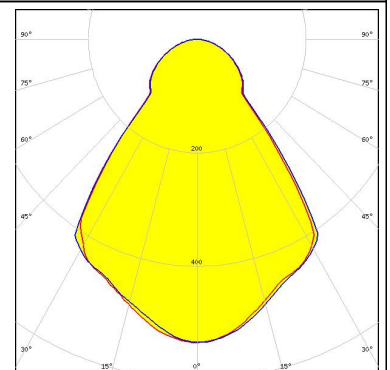
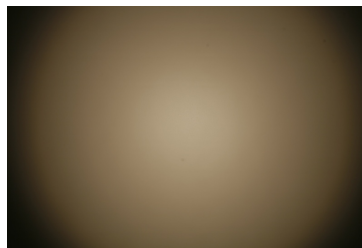
LUMILEDS

LED LUXEON Rebel ES
 FWHM 74.0°
 Efficiency 89 %
 Peak intensity 0.550 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



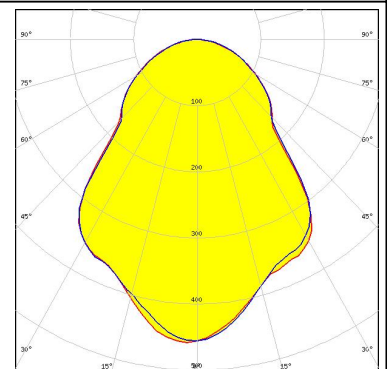
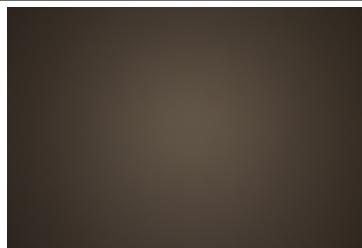
LUMILEDS

LED LUXEON T
 FWHM 75.0°
 Efficiency 89 %
 Peak intensity 0.535 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



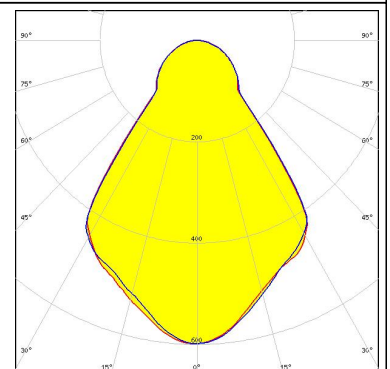
LUMILEDS

LED LUXEON TX
 FWHM 81.0°
 Efficiency 90 %
 Peak intensity 0.500 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



NICHIA

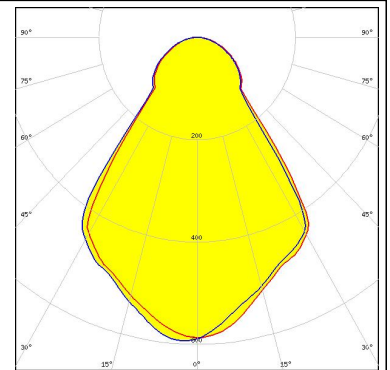
LED NCSxx19A
 FWHM 72.0°
 Efficiency 90 %
 Peak intensity 0.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



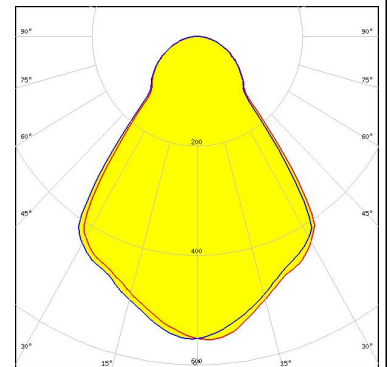
PHOTOMETRIC DATA (MEASURED):



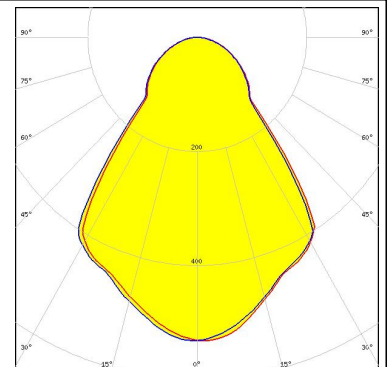
LED NF2x757A
 FWHM 72.0°
 Efficiency 92 %
 Peak intensity 0.595 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



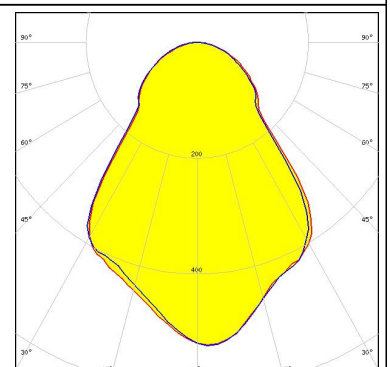
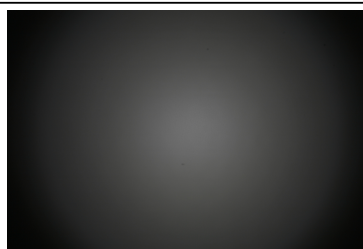
LED NVSxx19A
 FWHM 74.0°
 Efficiency 90 %
 Peak intensity 0.556 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NVSxx19B/NVSxx19C
 FWHM 74.0°
 Efficiency 89 %
 Peak intensity 0.534 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



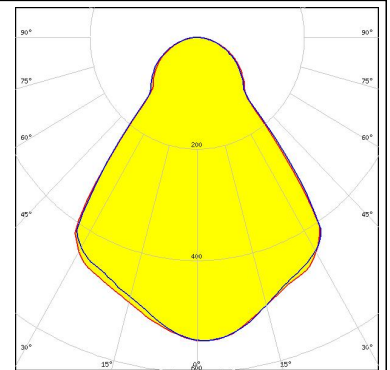
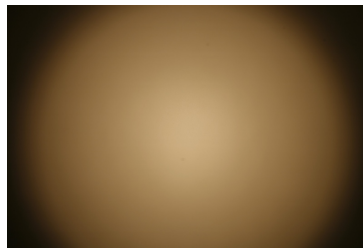
LED Duris S5 (2 chip)
 FWHM 76.0°
 Efficiency 91 %
 Peak intensity 0.500 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

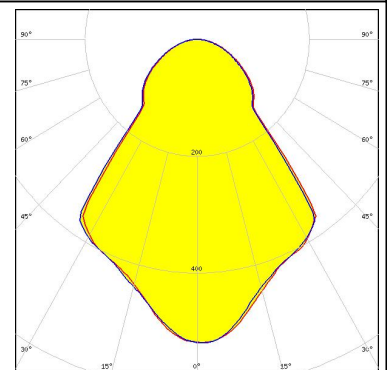
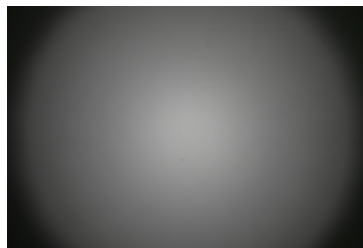
OSRAM
Opto Semiconductors

LED OSLON Square EC
FWHM 75.0°
Efficiency 91 %
Peak intensity 0.545 cd/lm
LEDs/each optic 1
Light colour White
Required components:



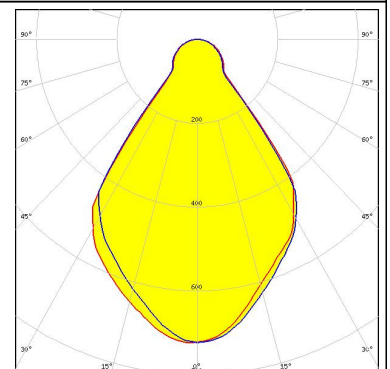
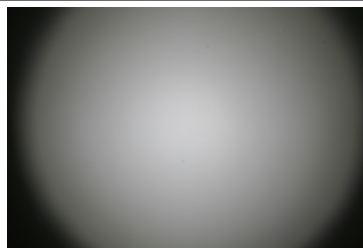
OSRAM
Opto Semiconductors

LED OSLON SSL 150
FWHM 75.0°
Efficiency 88 %
Peak intensity 0.520 cd/lm
LEDs/each optic 1
Light colour White
Required components:



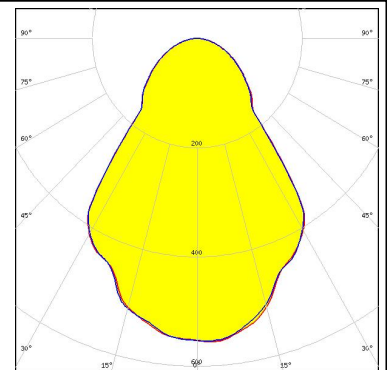
OSRAM
Opto Semiconductors

LED OSLON SSL 80
FWHM 71.0°
Efficiency 91 %
Peak intensity 0.725 cd/lm
LEDs/each optic 1
Light colour White
Required components:

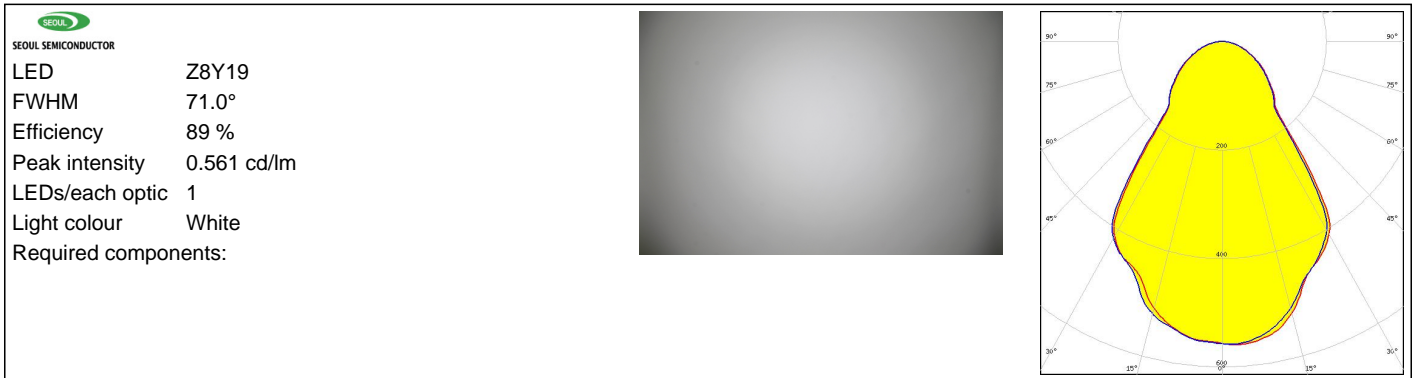


SEOUL SEMICONDUCTOR

LED Z8Y15
FWHM 72.0°
Efficiency 90 %
Peak intensity 0.557 cd/lm
LEDs/each optic 1
Light colour White
Required components:



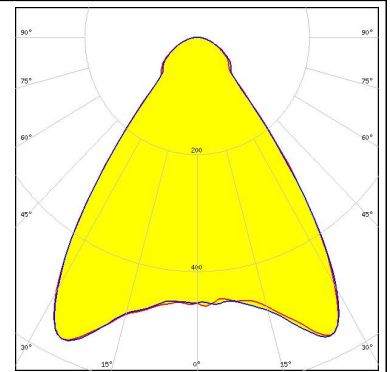
PHOTOMETRIC DATA (MEASURED):



PHOTOMETRIC DATA (SIMULATED):

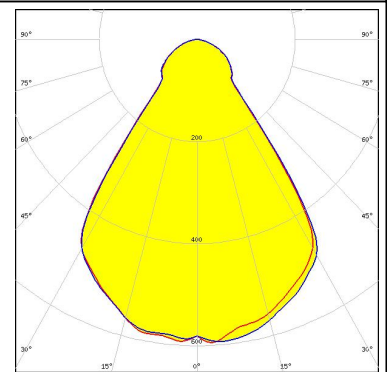
CREE 

LED XP-G2 HE
 FWHM 73.0°
 Efficiency 86 %
 Peak intensity 0.573 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM
Opto Semiconductors

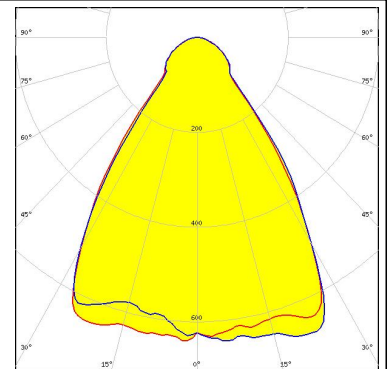
LED OSOLON Black
 FWHM 71.0°
 Efficiency 80 %
 Peak intensity 0.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



Transparent protective cover

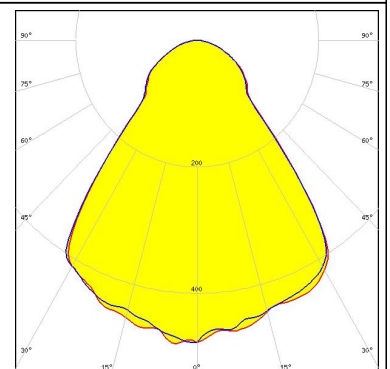
OSRAM
Opto Semiconductors

LED OSOLON Square CSSRM2/CSSRM3
 FWHM 65.0°
 Efficiency 94 %
 Peak intensity 0.677 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

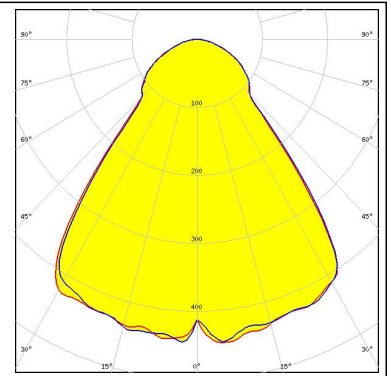
LED LH351B
 FWHM 78.0°
 Efficiency 87 %
 Peak intensity 0.481 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

LED LH351C
FWHM 79.0°
Efficiency 86 %
Peak intensity 0.459 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:

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.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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LEDiL Oy

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Hong Kong, China

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