

LISA3-WWW-PIN

~60° wide beam with location pin installation

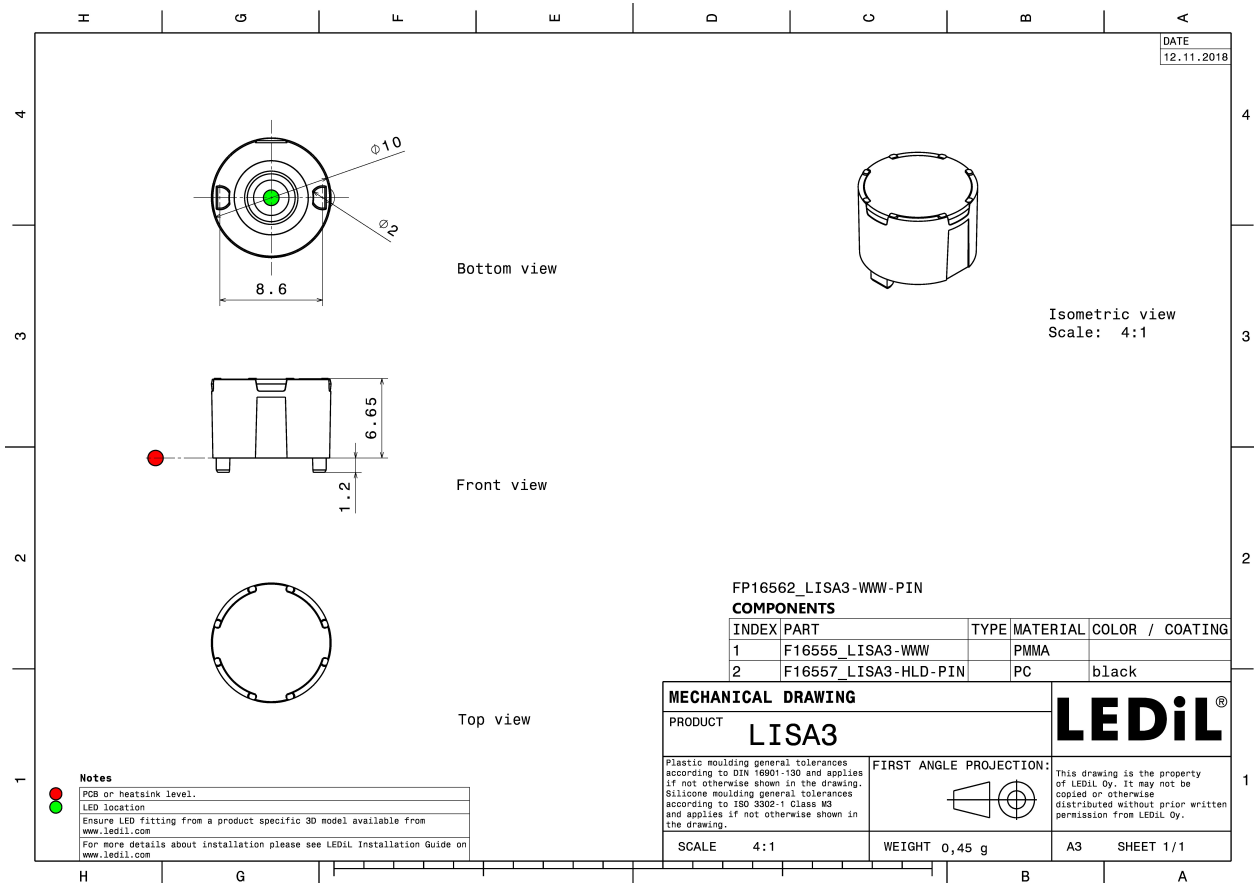
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 9.9 mm
Height	7 mm
Fastening	pin
Colour	black
Box size	310 x 230 x 60 mm
Box weight	1.4 kg
Quantity in Box	2000 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

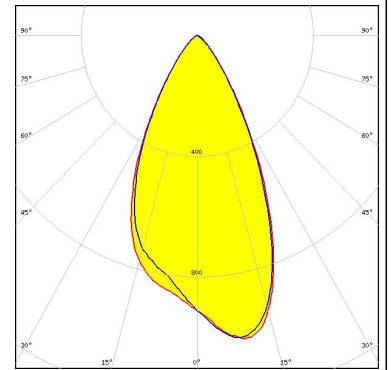
Component	Type	Material	Colour
LISA3-WWW	Single lens	PMMA	clear
LISA3-HLD-PIN	Holder	PC	black



PHOTOMETRIC DATA (MEASURED):



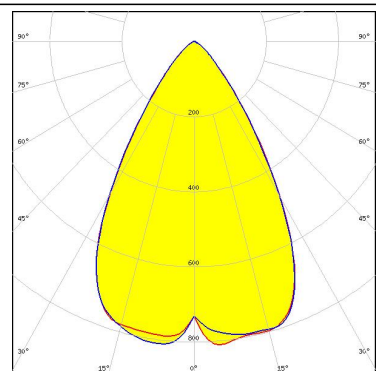
LED NF2x757G
FWHM 50.0°
Efficiency 76 %
Peak intensity 1.100 cd/lm
LEDs/each optic 1
Light colour White
Required components:



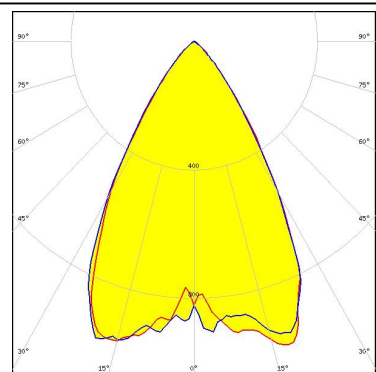
PHOTOMETRIC DATA (SIMULATED):



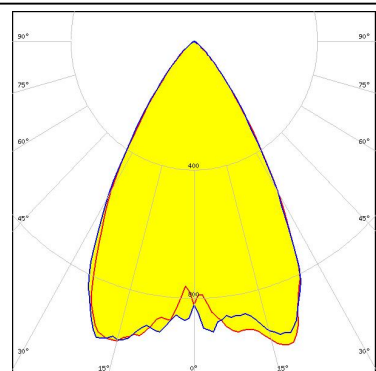
LED XP-E
FWHM 64.0°
Efficiency 89 %
Peak intensity 0.820 cd/lm
LEDs/each optic 1
Light colour White
Required components:



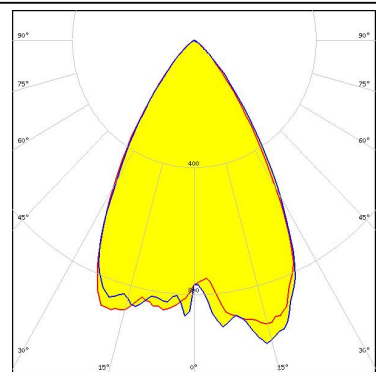
LED XP-E2
FWHM 64.0°
Efficiency 89 %
Peak intensity 0.830 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XP-E2
FWHM 62.0°
Efficiency 89 %
Peak intensity 0.900 cd/lm
LEDs/each optic 1
Light colour White
Required components:



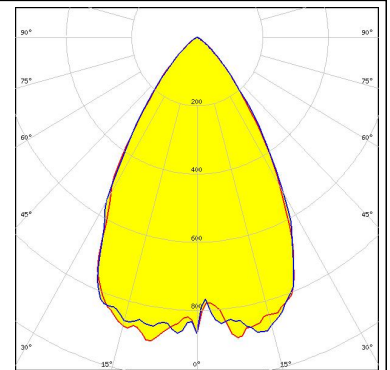
LED XP-G2
FWHM 66.0°
Efficiency 87 %
Peak intensity 0.800 cd/lm
LEDs/each optic 1
Light colour White
Required components:



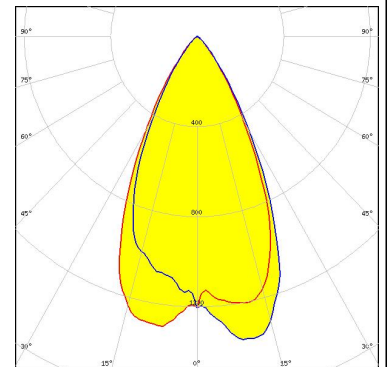
PHOTOMETRIC DATA (SIMULATED):



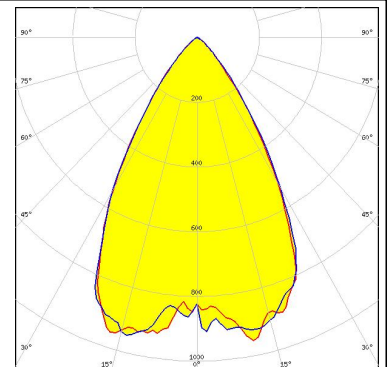
LED XP-G3
FWHM 63.0°
Efficiency 82 %
Peak intensity 0.740 cd/lm
LEDs/each optic 1
Light colour White
Required components:



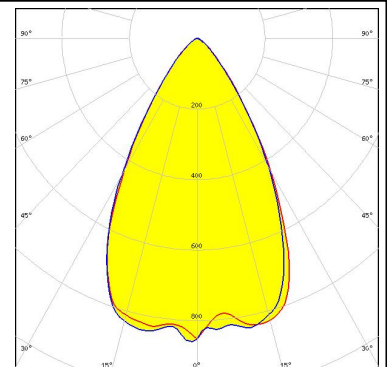
LED LUXEON 3030 2D (Round LES)
FWHM 54.0°
Efficiency 85 %
Peak intensity 1.200 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON TX
FWHM 62.0°
Efficiency 85 %
Peak intensity 0.820 cd/lm
LEDs/each optic 1
Light colour White
Required components:



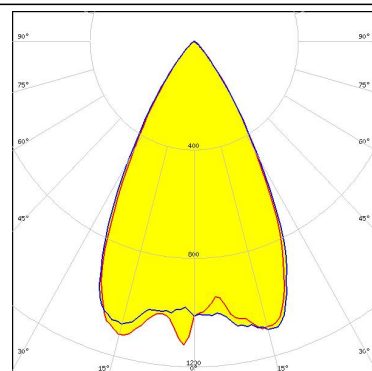
LED LUXEON V2
FWHM 60.0°
Efficiency 88 %
Peak intensity 0.860 cd/lm
LEDs/each optic 1
Light colour White
Required components:



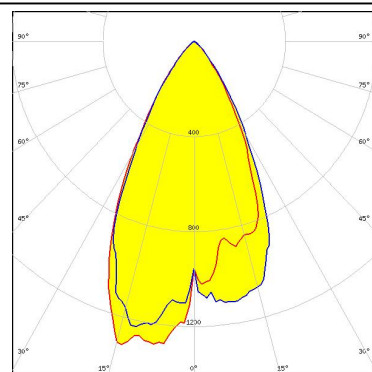
PHOTOMETRIC DATA (SIMULATED):



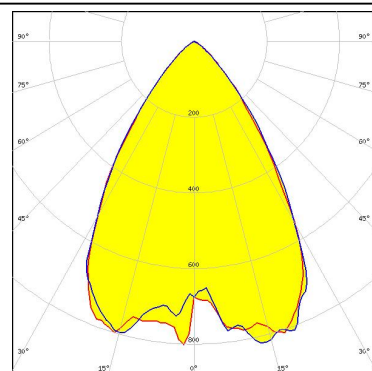
LED LUXEON Z
FWHM 58.0°
Efficiency 88 %
Peak intensity 1.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:



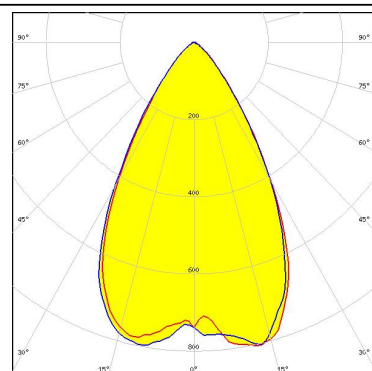
LED NF2x757G
FWHM 50.0°
Efficiency 88 %
Peak intensity 1.120 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NVSW219D
FWHM 67.0°
Efficiency 84 %
Peak intensity 0.710 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NVSxx19B/NVSxx19C
FWHM 61.0°
Efficiency 83 %
Peak intensity 0.810 cd/lm
LEDs/each optic 1
Light colour White
Required components:

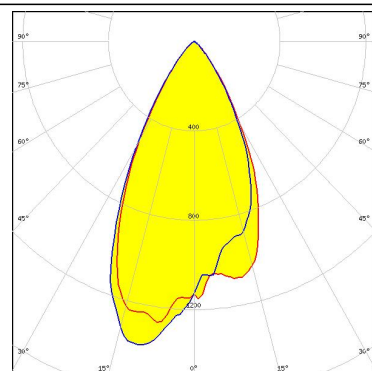


PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

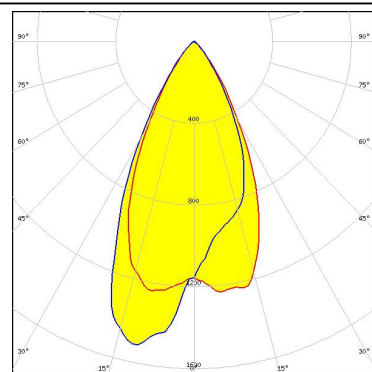
LED Duris S5 (2 chip)
 FWHM 49.0°
 Efficiency 87 %
 Peak intensity 1.230 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

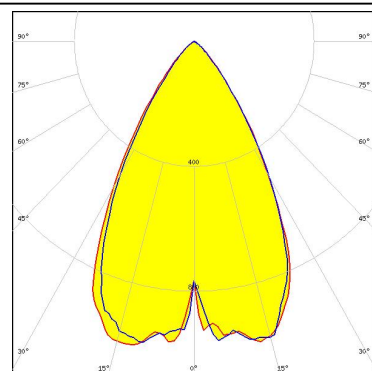
LED Duris S5 (Single chip)
 FWHM 48.0°
 Efficiency 86 %
 Peak intensity 1.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

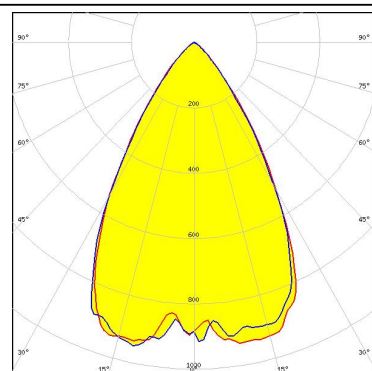
LED OSLOM Square CSSRM2/CSSRM3
 FWHM 60.0°
 Efficiency 87 %
 Peak intensity 0.970 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

LED OSLOM Square EC
 FWHM 61.0°
 Efficiency 86 %
 Peak intensity 0.900 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

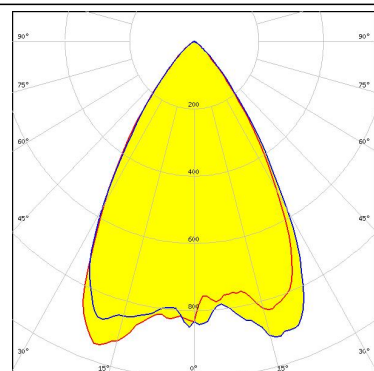


PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

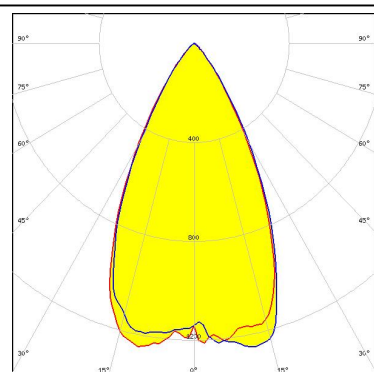
LED OSLON SSL 150
FWHM 63.0°
Efficiency 87 %
Peak intensity 0.850 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

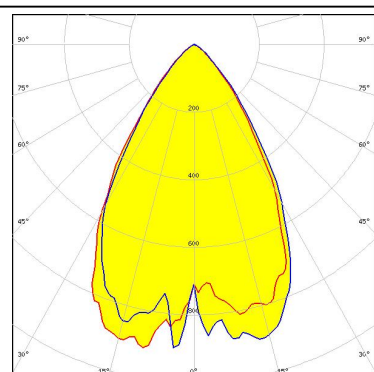
Opto Semiconductors

LED OSLON SSL 80
FWHM 53.0°
Efficiency 87 %
Peak intensity 1.140 cd/lm
LEDs/each optic 1
Light colour White
Required components:



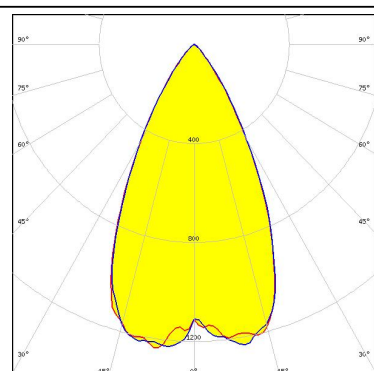
SAMSUNG

LED LH351C
FWHM 62.0°
Efficiency 84 %
Peak intensity 0.800 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

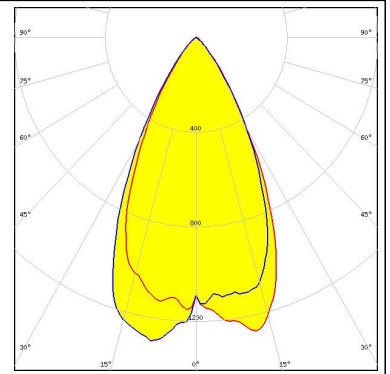
LED LM301A
FWHM 53.0°
Efficiency 87 %
Peak intensity 1.150 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

LED LM302A
FWHM 53.0°
Efficiency 87 %
Peak intensity 1.170 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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