

EMMA-360

~170° side emitter

TECHNICAL SPECIFICATIONS:

Dimensions	9.9 mm
Height	5.7 mm
Fastening	glue, pin
ROHS compliant	yes 

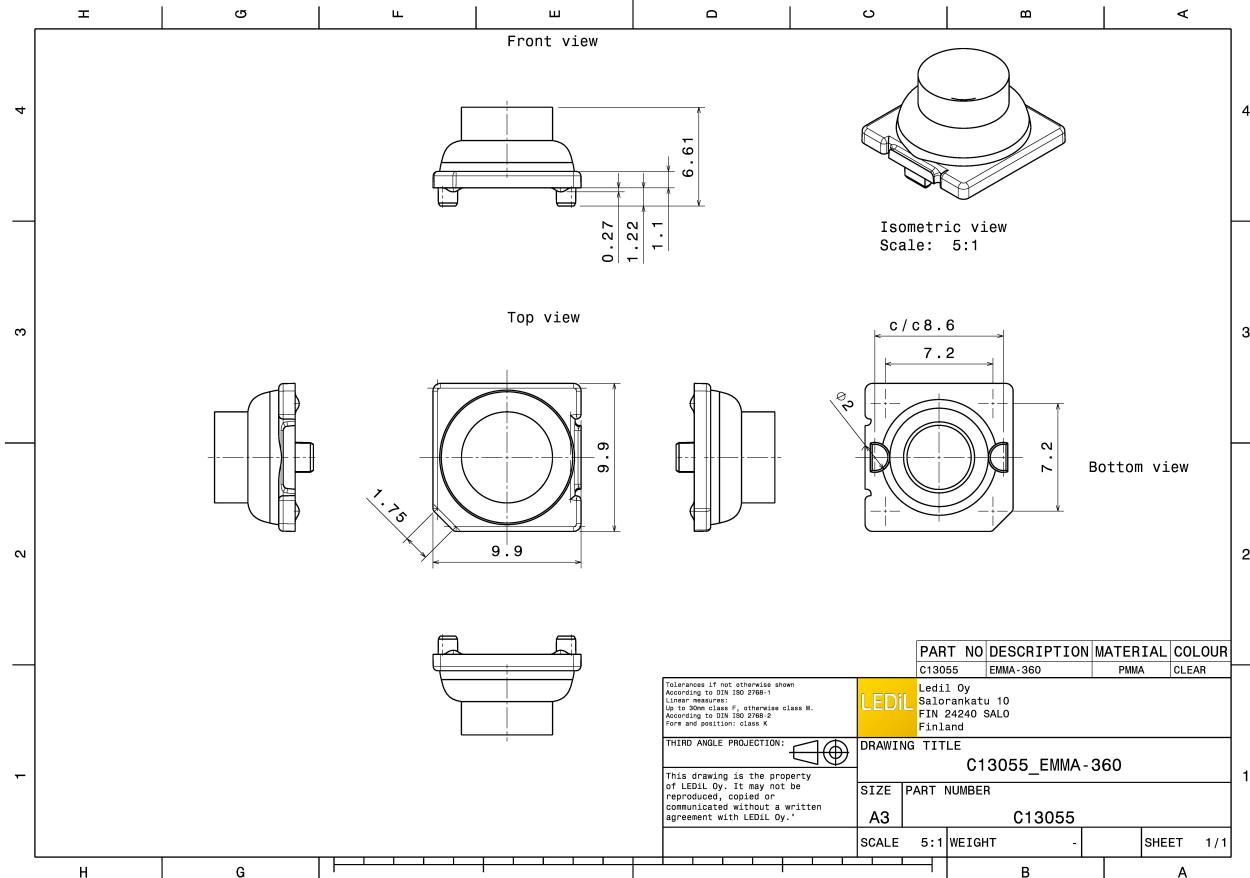


MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
EMMA-360	Single lens	PMMA	clear	

ORDERING INFORMATION:

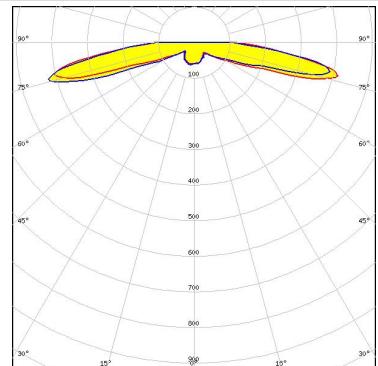
Component	Qty in box	MOQ	MPQ	Box weight (kg)
C13055_EMMA-360	5000	300	100	2.0
» Box size:				



PHOTOMETRIC DATA (MEASURED):

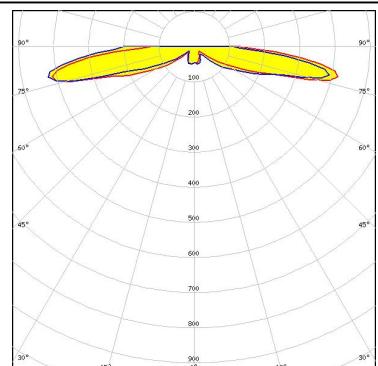
CREE

LED XB-D
FWHM 170.0°
Efficiency 93 %
Peak intensity 0.440 cd/lm
LEDs/each optic 1
Light colour White
Required components:



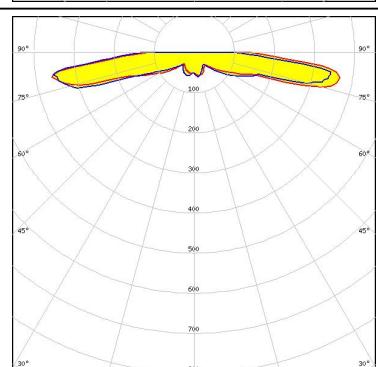
CREE

LED XP-E2
FWHM 172.0°
Efficiency 94 %
Peak intensity 0.430 cd/lm
LEDs/each optic 1
Light colour White
Required components:



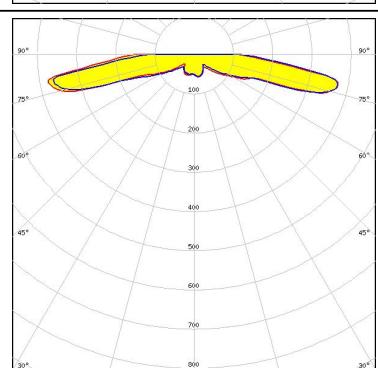
CREE

LED XP-G
FWHM 173.0°
Efficiency 88 %
Peak intensity 0.390 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CREE

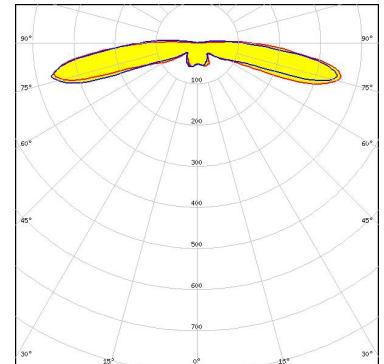
LED XP-G2
FWHM 172.0°
Efficiency 90 %
Peak intensity 0.410 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

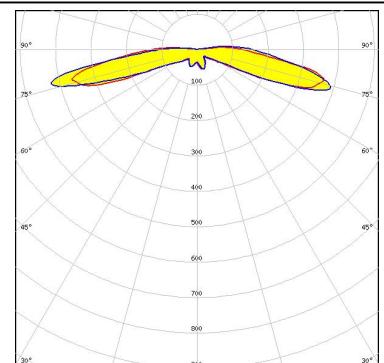
CREE

LED XT-E
FWHM 174.0°
Efficiency 94 %
Peak intensity 0.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:



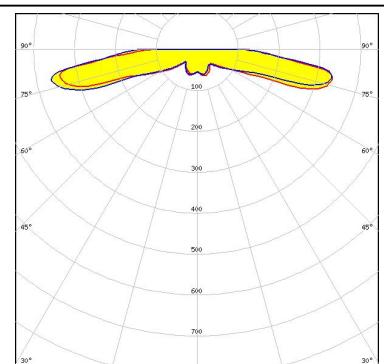
LUMILEDS

LED LUXEON 3535 2D
FWHM 170.0°
Efficiency 94 %
Peak intensity 0.430 cd/lm
LEDs/each optic 1
Light colour White
Required components:



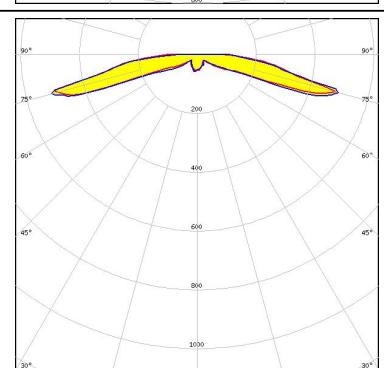
LUMILEDS

LED LUXEON A
FWHM 173.0°
Efficiency 92 %
Peak intensity 0.370 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LUMILEDS

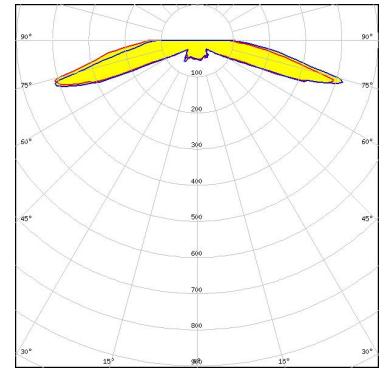
LED LUXEON Rebel
FWHM 165.0°
Efficiency 93 %
Peak intensity 0.530 cd/lm
LEDs/each optic 1
Light colour White
Required components:



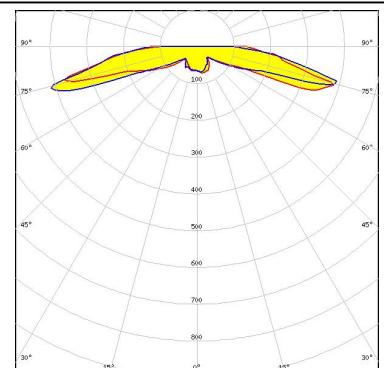
PHOTOMETRIC DATA (MEASURED):



LED NCSxx19A
FWHM 165.0°
Efficiency 90 %
Peak intensity 0.420 cd/lm
LEDs/each optic 1
Light colour White
Required components:



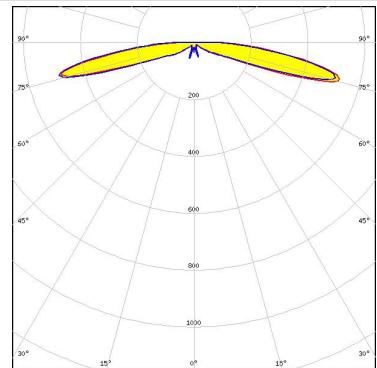
Opto Semiconductors
LED OSLON Square EC
FWHM 170.0°
Efficiency 92 %
Peak intensity 0.420 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):

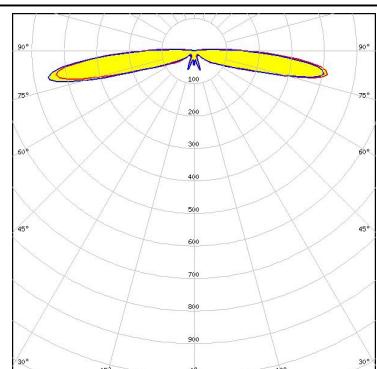
CREE

LED XQ-E HD
FWHM 164.0°
Efficiency 92 %
Peak intensity 0.530 cd/lm
LEDs/each optic 1
Light colour White
Required components:



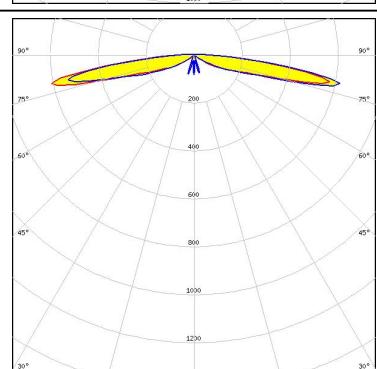
LUMILEDS

LED LUXEON C
FWHM 174.0°
Efficiency 94 %
Peak intensity 0.510 cd/lm
LEDs/each optic 1
Light colour Red
Required components:



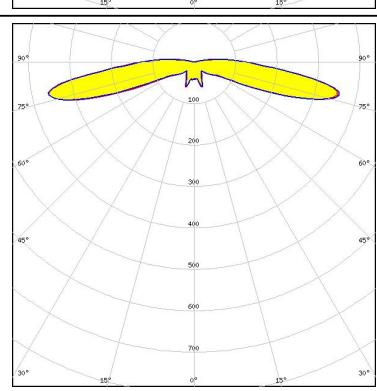
LUMILEDS

LED LUXEON CZ
FWHM 167.0°
Efficiency 94 %
Peak intensity 0.640 cd/lm
LEDs/each optic 1
Light colour Red
Required components:



LUMILEDS

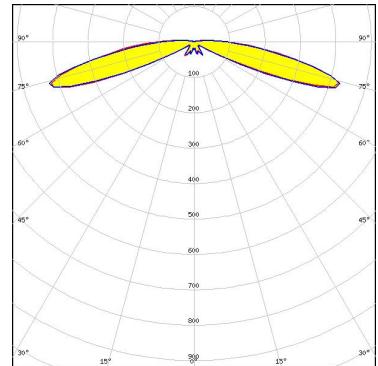
LED LUXEON V2
FWHM 172.0°
Efficiency 94 %
Peak intensity 0.380 cd/lm
LEDs/each optic 1
Light colour White
Required components:



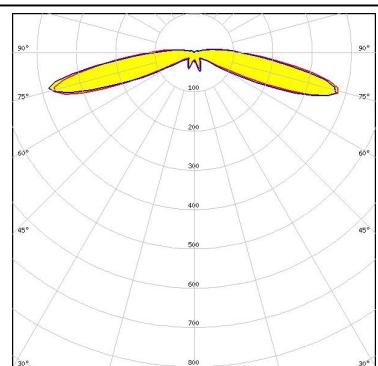
PHOTOMETRIC DATA (SIMULATED):



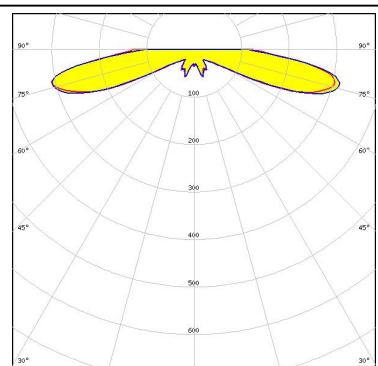
LED NCSxE17A
 FWHM 166.0°
 Efficiency 94 %
 Peak intensity 0.443 cd/lm
 LEDs/each optic 1
 Light colour Green
 Required components:



LED LM28xB Series
 FWHM 169.0°
 Efficiency 97 %
 Peak intensity 0.387 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED Z8Y22P
 FWHM 152.0°
 Efficiency 87 %
 Peak intensity 0.350 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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