

EMMA-360

~170° side emitter

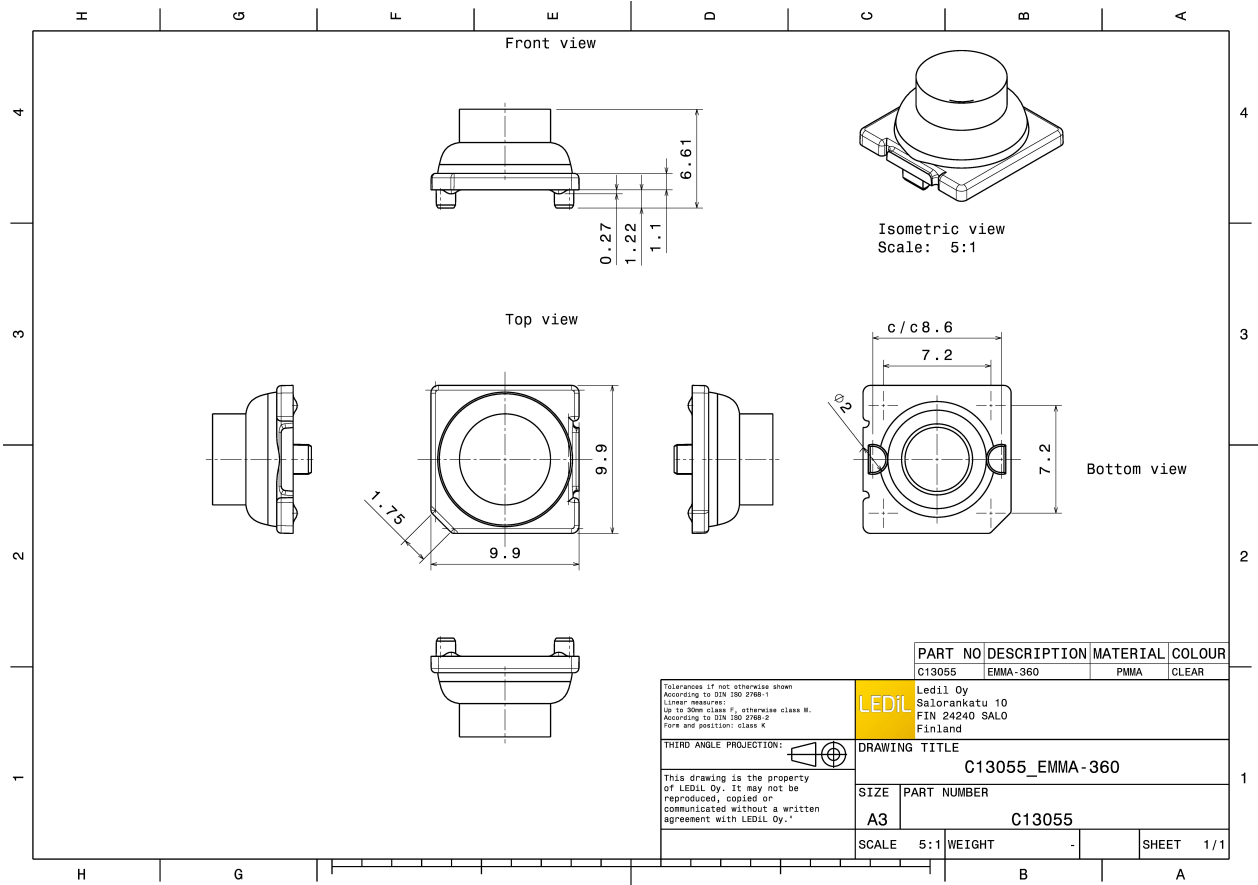
TECHNICAL SPECIFICATIONS:

Dimensions	9.9x9.9 mm
Height	5.7 mm
Fastening	glue, pin
Colour	clear
Box size	
Box weight	2 kg
Quantity in Box	5000 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

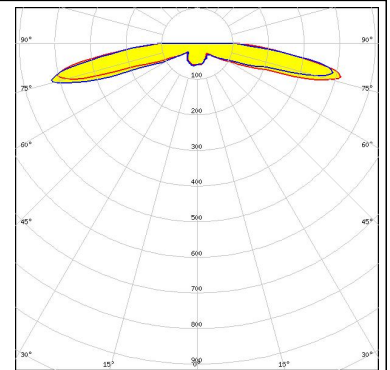
Component	Type	Material	Colour
EMMA-360	Lens	PMMA	clear



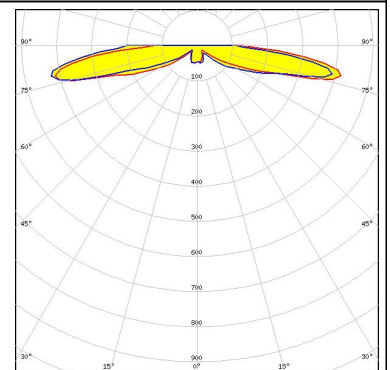
PHOTOMETRIC DATA (MEASURED):



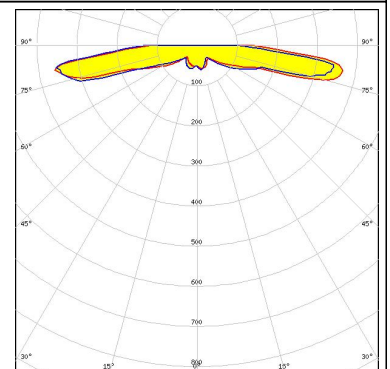
LED XB-D
FWHM 170.0°
Efficiency 93 %
Peak intensity 0.440 cd/lm
Required components:



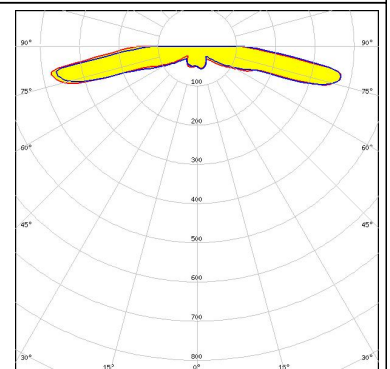
LED XP-E2
FWHM 172.0°
Efficiency 94 %
Peak intensity 0.430 cd/lm
Required components:



LED XP-G
FWHM 173.0°
Efficiency 88 %
Peak intensity 0.390 cd/lm
Required components:



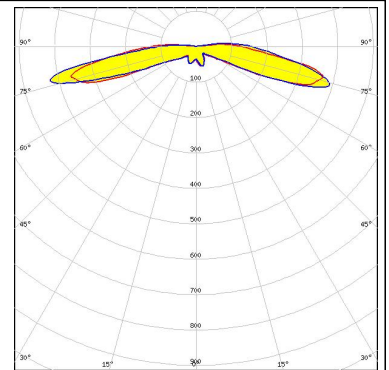
LED XP-G2
FWHM 172.0°
Efficiency 90 %
Peak intensity 0.410 cd/lm
Required components:



PHOTOMETRIC DATA (MEASURED):

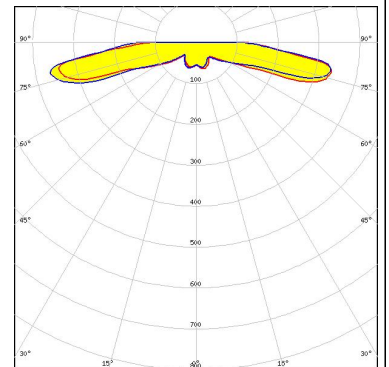
LUMILEDS

LED LUXEON 3535 2D
FWHM 170.0°
Efficiency 94 %
Peak intensity 0.430 cd/lm
Required components:



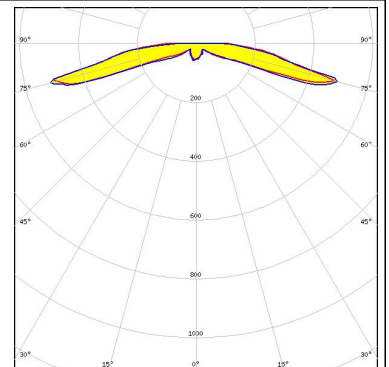
LUMILEDS

LED LUXEON A
FWHM 173.0°
Efficiency 92 %
Peak intensity 0.370 cd/lm
Required components:



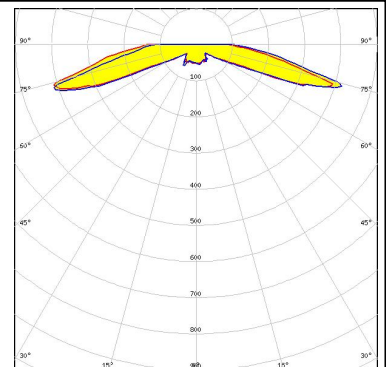
LUMILEDS

LED LUXEON Rebel
FWHM 165.0°
Efficiency 93 %
Peak intensity 0.530 cd/lm
Required components:



NICHIA

LED NCSxx19A
FWHM 165.0°
Efficiency 90 %
Peak intensity 0.420 cd/lm
Required components:



PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

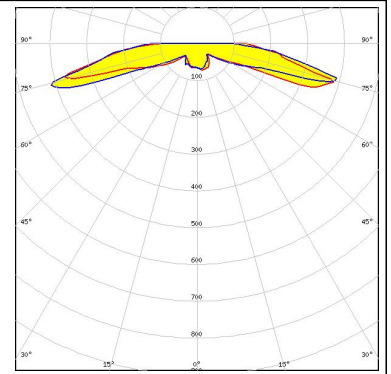
LED Oslon Square EC

FWHM 170.0°

Efficiency 92 %

Peak intensity 0.420 cd/lm

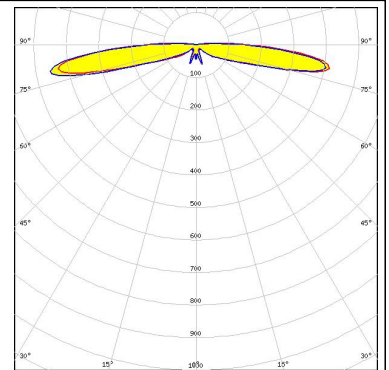
Required components:



PHOTOMETRIC DATA (SIMULATED):

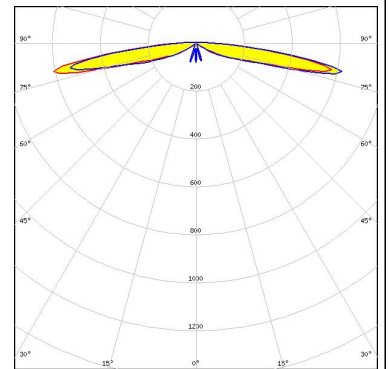
LUMILEDS

LED LUXEON C Colors
FWHM 174.0°
Efficiency 94 %
Peak intensity 0.510 cd/lm
Required components:



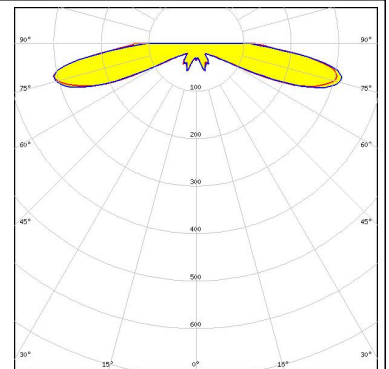
LUMILEDS

LED LUXEON CZ Colors
FWHM 167.0°
Efficiency 94 %
Peak intensity 0.640 cd/lm
Required components:



SEOL SEMICONDUCTOR

LED Z8Y22P
FWHM 152.0°
Efficiency 87 %
Peak intensity 0.350 cd/lm
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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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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