


EMMA-360

~170° side emitter

TECHNICAL SPECIFICATIONS:

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

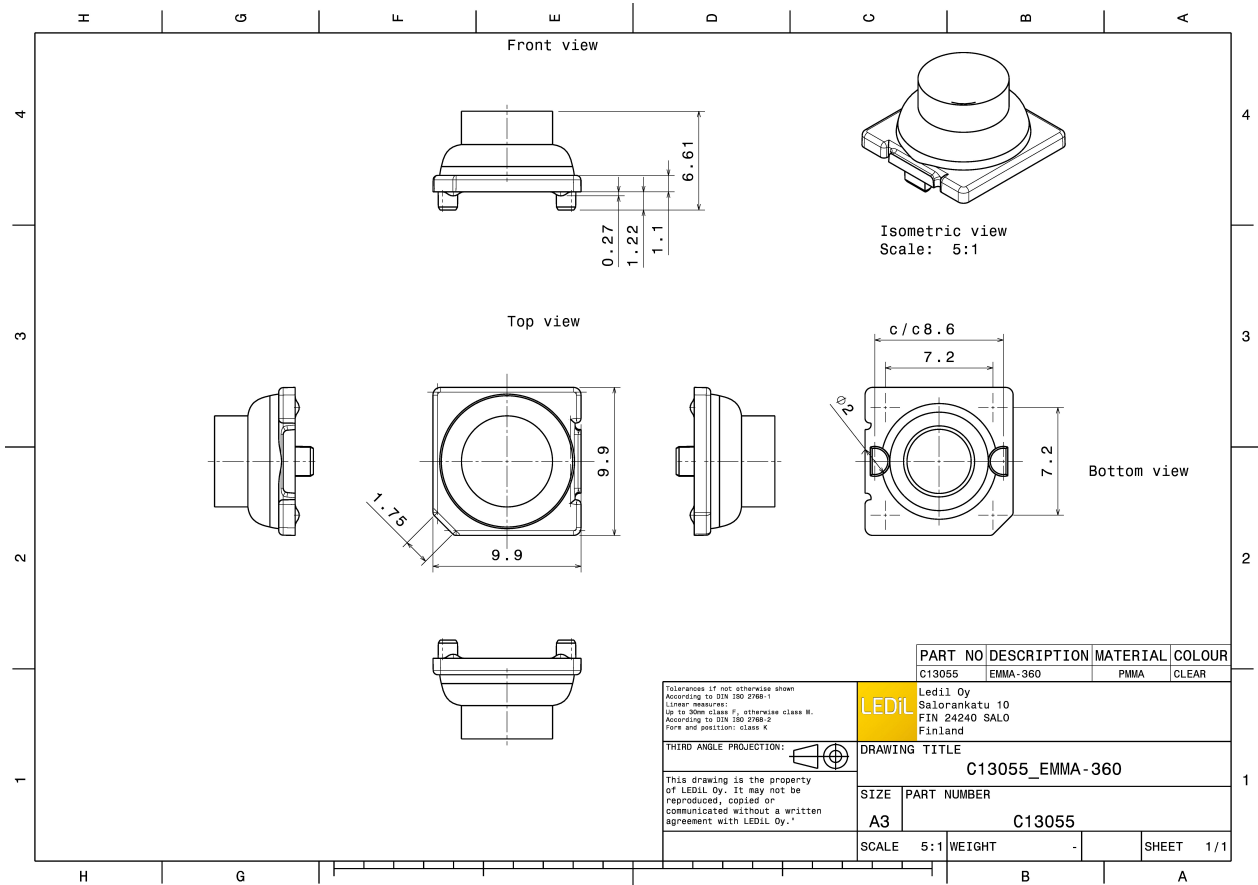
MATERIAL SPECIFICATIONS:

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



ORDERING INFORMATION:

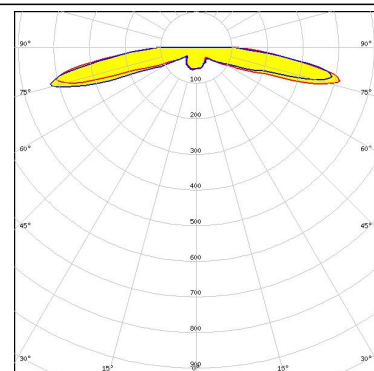
Component	Qty in box	MOQ	MPQ	Box weight (kg)
C13055_EMMA-360	5000	300	100	2.0
» Box size:				



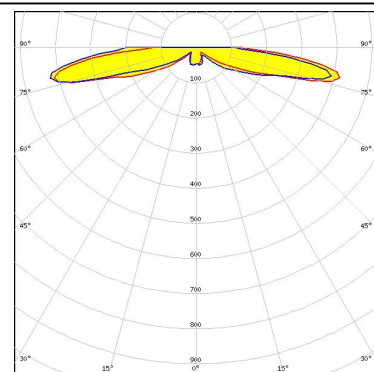
PHOTOMETRIC DATA (MEASURED):



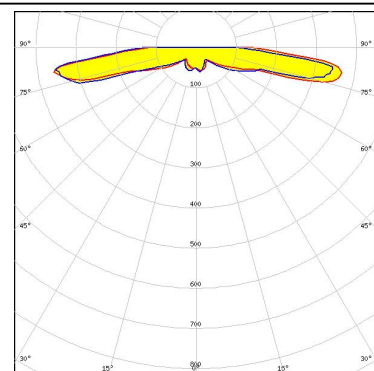
LED XB-D
FWHM 170.0°
Efficiency 93 %
Peak intensity 0.440 cd/lm
LEDs/each optic 1
Light colour White
Required components:



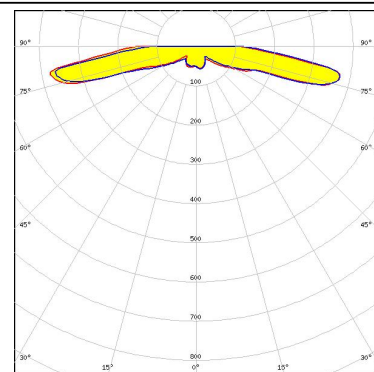
LED XP-E2
FWHM 172.0°
Efficiency 94 %
Peak intensity 0.430 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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



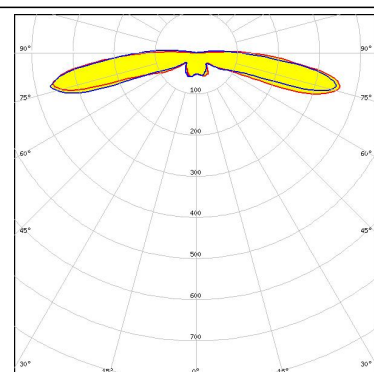
LED XP-G2
FWHM 172.0°
Efficiency 90 %
Peak intensity 0.410 cd/lm
LEDs/each optic 1
Light colour White
Required components:



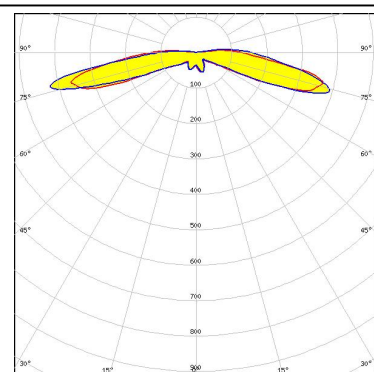
PHOTOMETRIC DATA (MEASURED):



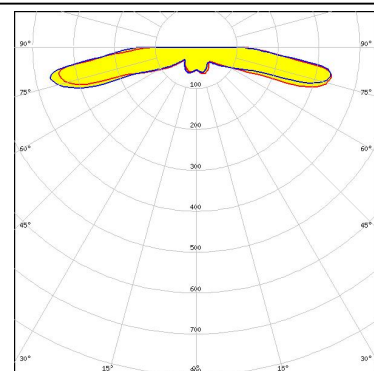
LED XT-E
FWHM 174.0°
Efficiency 94 %
Peak intensity 0.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:



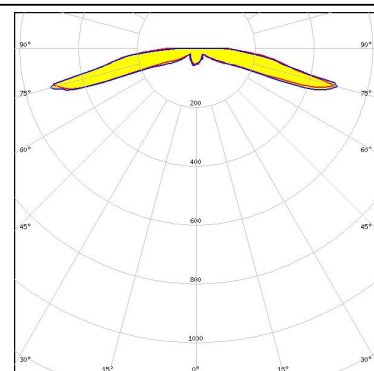
LED LUXEON 3535 2D
FWHM 170.0°
Efficiency 94 %
Peak intensity 0.430 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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



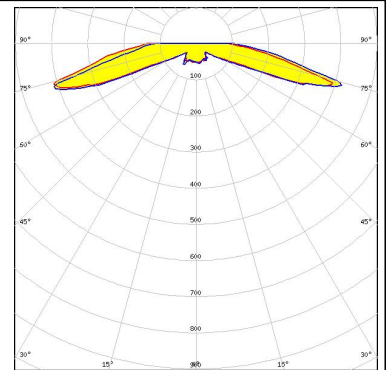
LED LUXEON Rebel
FWHM 165.0°
Efficiency 93 %
Peak intensity 0.530 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

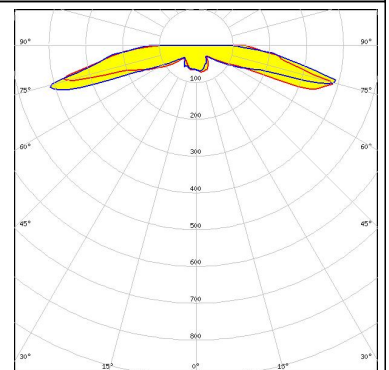


LED NCSxx19A
FWHM 165.0°
Efficiency 90 %
Peak intensity 0.420 cd/lm
LEDs/each optic 1
Light colour White
Required components:



Opto Semiconductors

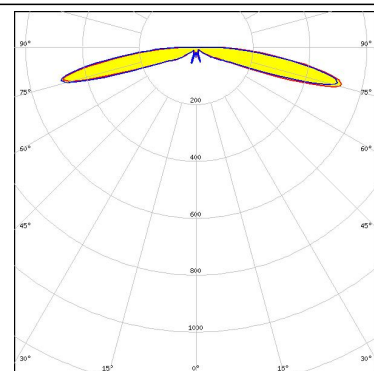
LED OSOLON Square EC
FWHM 170.0°
Efficiency 92 %
Peak intensity 0.420 cd/lm
LEDs/each optic 1
Light colour White
Required components:



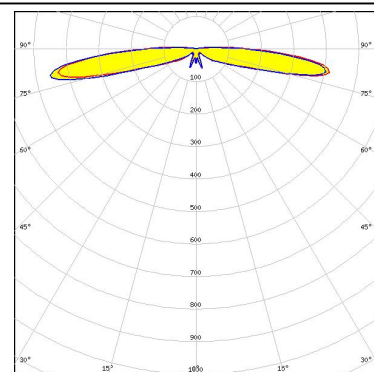
PHOTOMETRIC DATA (SIMULATED):



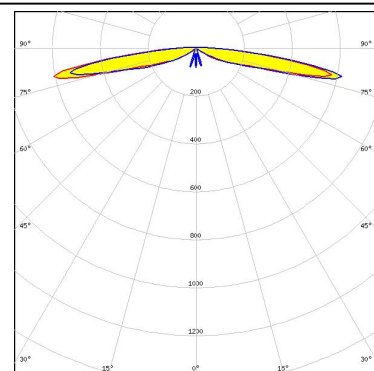
LED XQ-E HD
FWHM 164.0°
Efficiency 92 %
Peak intensity 0.530 cd/lm
LEDs/each optic 1
Light colour White
Required components:



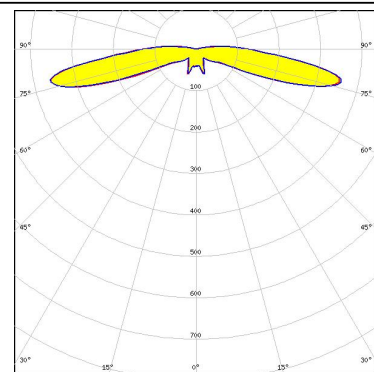
LED LUXEON C
FWHM 174.0°
Efficiency 94 %
Peak intensity 0.510 cd/lm
LEDs/each optic 1
Light colour Red
Required components:



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



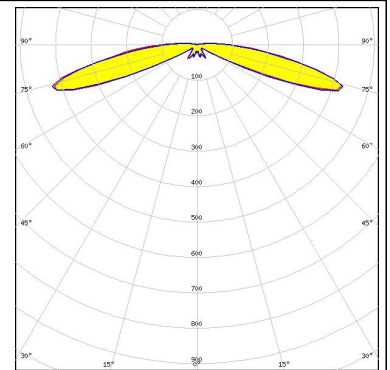
LED LUXEON V2
FWHM 172.0°
Efficiency 94 %
Peak intensity 0.380 cd/lm
LEDs/each optic 1
Light colour White
Required components:



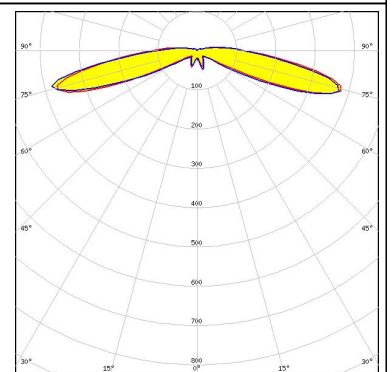
PHOTOMETRIC DATA (SIMULATED):



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

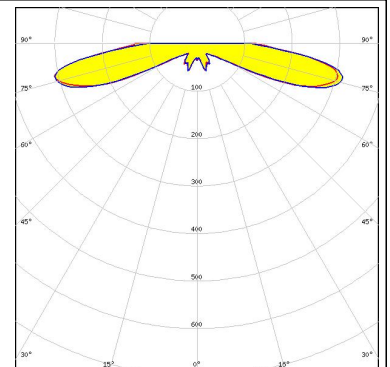


LED LM28xB Series
FWHM 169.0°
Efficiency 97 %
Peak intensity 0.387 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SEOUL SEMICONDUCTOR

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:

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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

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

Salu, Finland
Hong Kong, China

Distribution Partners

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Ledil:](#)

[C13055_EMMA-360](#)