

EMMA-360

~170° side emitter

SPECIFICATION:

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



MATERIALS:

ComponentTypeMaterialColourFinishEMMA-360Single lensPMMAclear

ORDERING INFORMATION:

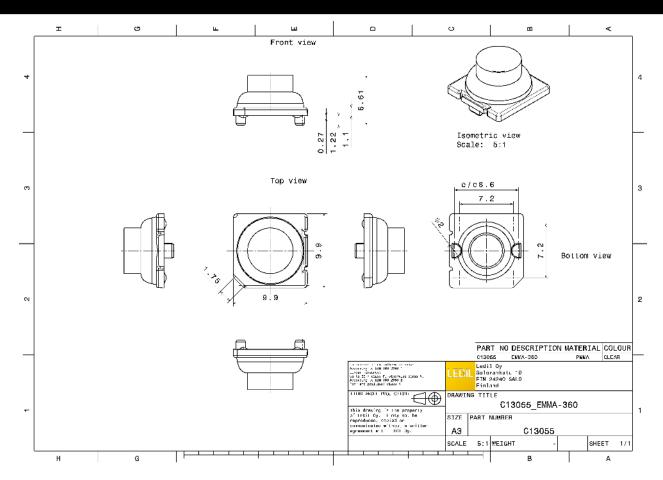
Component Qty in box MOQ MPQ Box weight (kg)

C13055_EMMA-360 5000 300 100 1.6

» Box size:



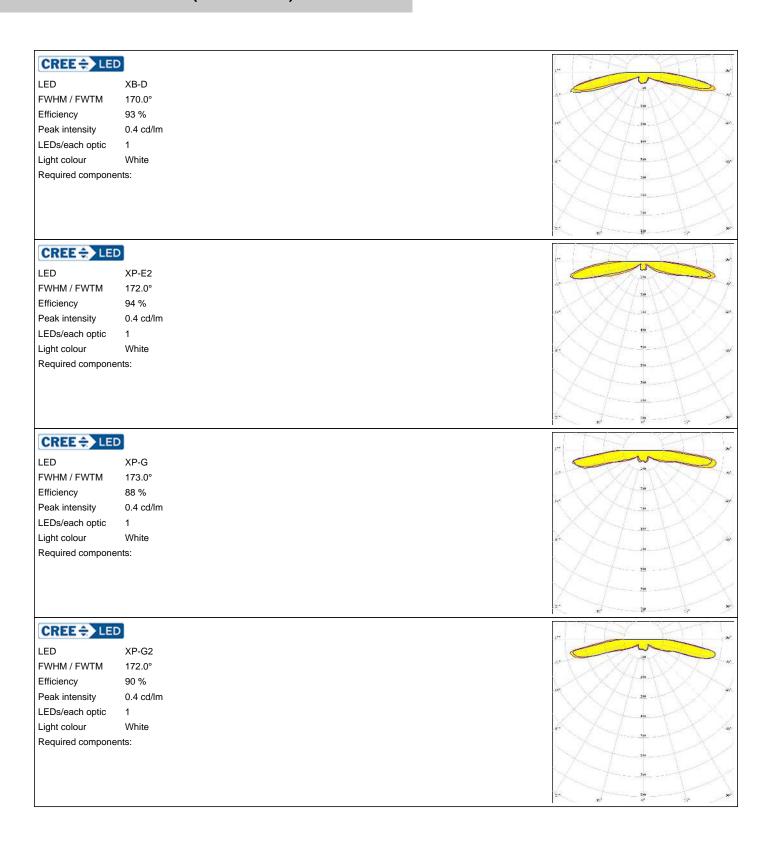
PRODUCT DATASHEET C13055_EMMA-360



See also our general installation guide: www.ledil.com/installation_guide



OPTICAL RESULTS (MEASURED):





OPTICAL RESULTS (MEASURED):

CREE . LED

LED XT-E

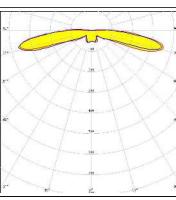
FWHM / FWTM 174.0° / 188.0°

Efficiency 94 %

Peak intensity 0.4 cd/lm LEDs/each optic 1

Light colour White

Required components:



LUMILEDS

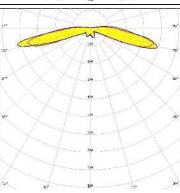
LED LUXEON 3535 2D

 FWHM / FWTM
 170.0°

 Efficiency
 94 %

 Peak intensity
 0.4 cd/lm

LEDs/each optic 1
Light colour White
Required components:

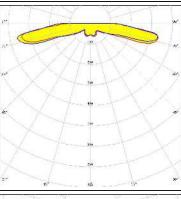


BLUMILEDS

LED LUXEON A

FWHM / FWTM 173.0° Efficiency 92 % Peak intensity 0.4 cd/lm

LEDs/each optic 1
Light colour White
Required components:



UMILEDS

LED LUXEON Rebel

FWHM / FWTM 165.0°
Efficiency 93 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White

Required components:

93 %
0.5 cd/lm
1
White
ts:



OPTICAL RESULTS (MEASURED):





White



 LED
 J Series 2835

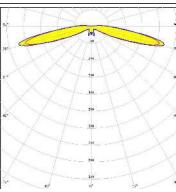
 FWHM / FWTM
 167.0° / 194.0°

 Efficiency
 96 %

Peak intensity 0.4 cd/lm LEDs/each optic 1

Required components:

Light colour

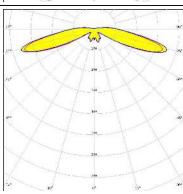


CREE - LED

LED J Series 3030 FWHM / FWTM 167.0° / 198.0°

Efficiency 96 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White

Required components:



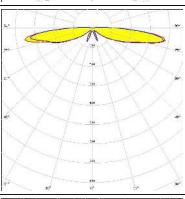
CREE \$ LED

LED XE-G

FWHM / FWTM 175.0° / 188.0°

Efficiency 96 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White

Required components:



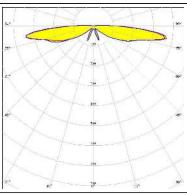
CREE - LED

LED XE-G

FWHM / FWTM 176.0° / 188.0° Efficiency 96 %

Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour Green

Required components:







LED XQ-E HD FWHM / FWTM 164.0° / 174.

FWHM / FWTM 164.0° / 174.0° Efficiency 92 %

Peak intensity 0.5 cd/lm

LEDs/each optic 1

Light colour White



Required components:

LED XQ-E HD

FWHM / FWTM 172.0° / 189.0°

Efficiency 97 %
Peak intensity 0.5 cd/lm

LEDs/each optic 1

Light colour Red

Required components:

CREE - LED

LED XQ-E HD

FWHM / FWTM 170.0° / 182.0°

Efficiency 89 %
Peak intensity 0.4 cd/lm

LEDs/each optic 1

Light colour PC Amber

Required components:

CREE - LED

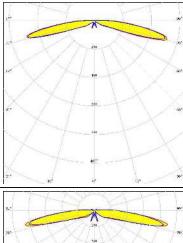
LED XQ-E HI

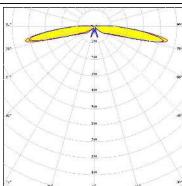
FWHM / FWTM 166.0° / 181.0°

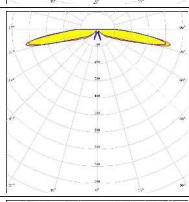
Efficiency 97 %
Peak intensity 0.6 cd/lm

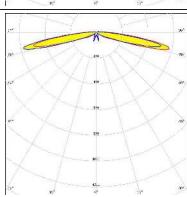
LEDs/each optic 1
Light colour Red

Required components:

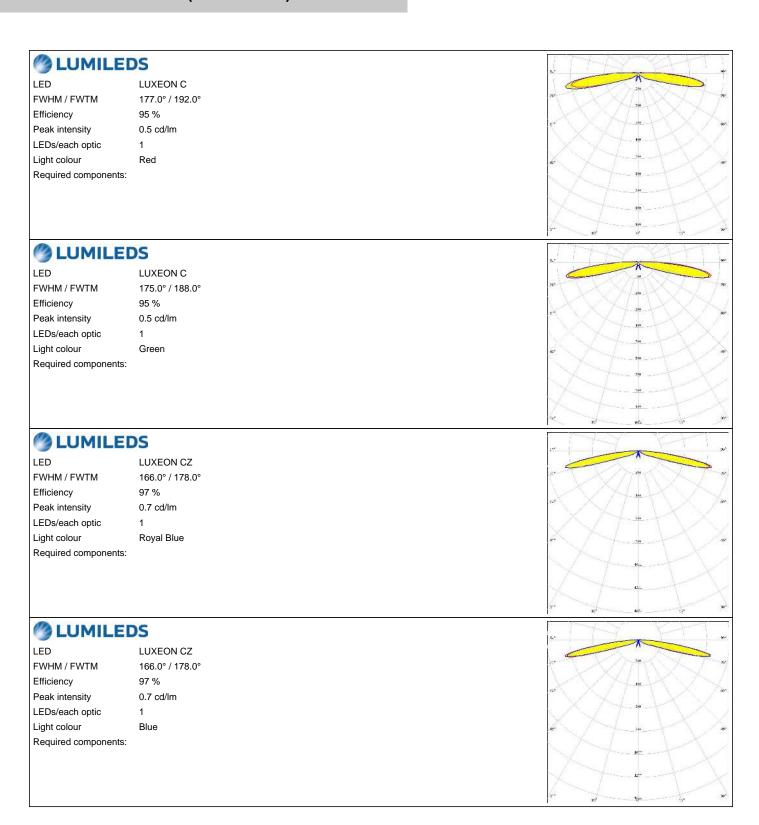








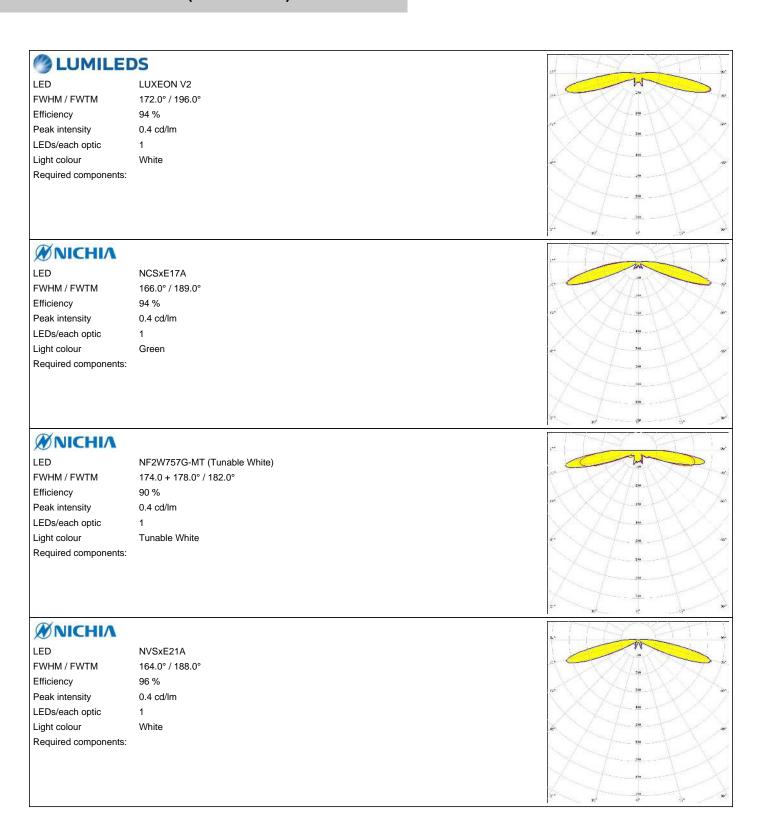














OSRAM Opto Semiconductors

LED OSLON Signal

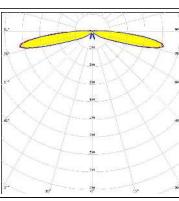
FWHM / FWTM 172.0° / 192.0°

Efficiency 97 % Peak intensity 0.4 cd/lm

LEDs/each optic

Light colour White

Required components:



OSRAM Opto Semiconductor

LED

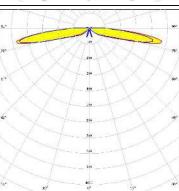
OSLON Signal FWHM / FWTM 172.0° / 188.0°

Efficiency 97 %

Peak intensity 0.5 cd/lm

LEDs/each optic 1 Red Light colour

Required components:



OSRAM Opto Semiconductors

LED OSLON SSL 150

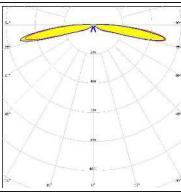
FWHM / FWTM 172.0° / 186.0°

Efficiency 95 %

Peak intensity 0.5 cd/lm

LEDs/each optic Light colour White

Required components:



OSRAM Opto Semiconductors

LED

OSLON SSL 150

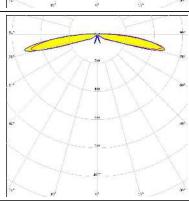
FWHM / FWTM 171.0° / 187.0°

Efficiency 97 %

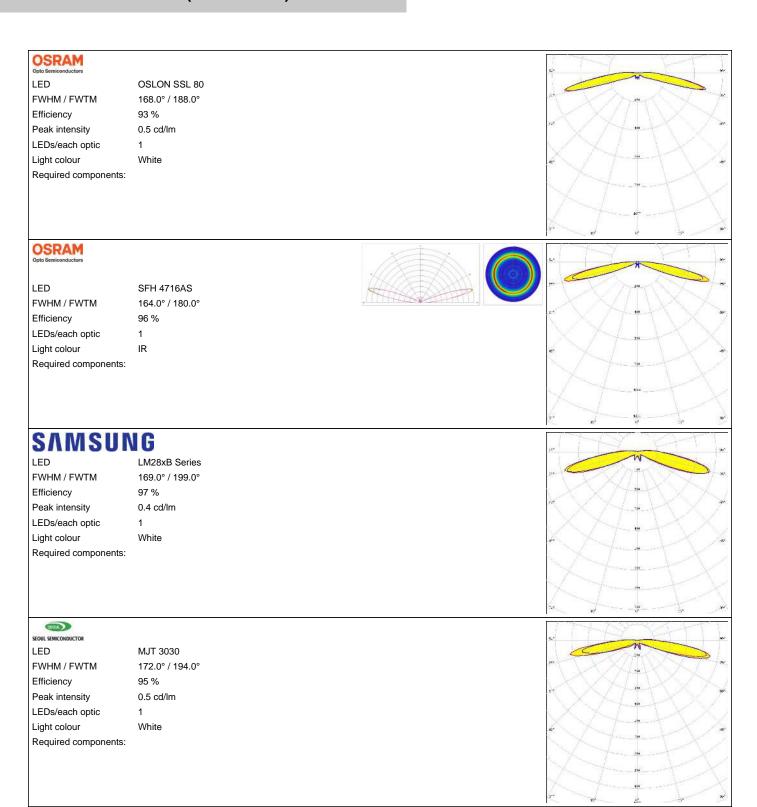
Peak intensity 0.5 cd/lm LEDs/each optic

Red Light colour

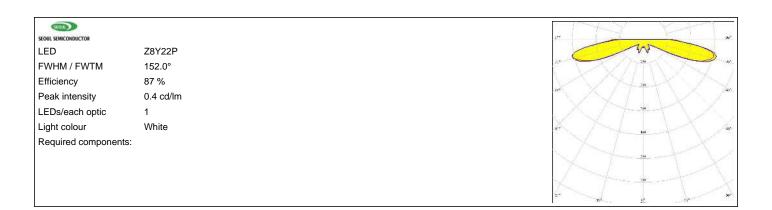
Required components:













PRODUCT DATASHEET C13055_EMMA-360

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.

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