

EMMA-360

~170° side emitter

SPECIFICATION:

 $\begin{array}{ccc} \text{Dimensions} & 9.9 \times 9.9 \text{ mm} \\ \text{Height} & 5.7 \text{ mm} \\ \text{Fastening} & \text{glue, pin} \\ \text{ROHS compliant} & \text{yes} \end{array}$



MATERIALS:

ComponentTypeMaterialColourFinishEMMA-360Single lensPMMAclear

ORDERING INFORMATION:

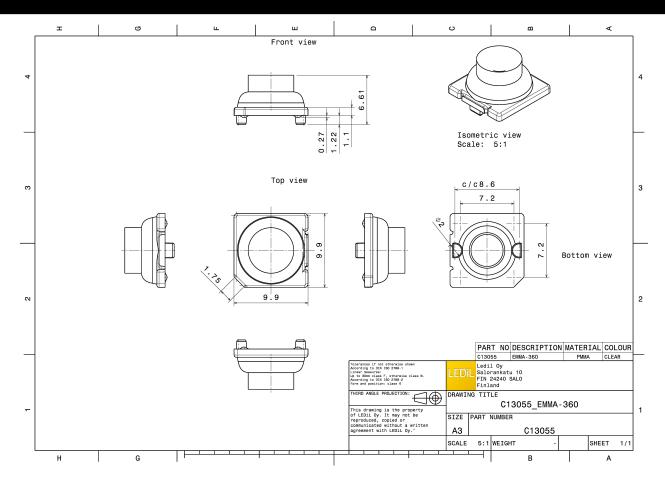
Component Qty in box MOQ MPQ Box weight (kg)

C13055_EMMA-360 5000 300 100 1.6

» Box size:



PRODUCT DATASHEET C13055_EMMA-360



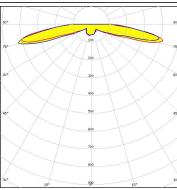
See also our general installation guide: www.ledil.com/installation_guide



OPTICAL RESULTS (MEASURED):

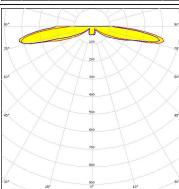


LED XB-D
FWHM / FWTM 170.0°
Efficiency 93 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



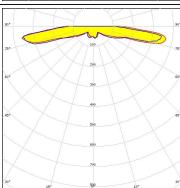
CREE - LED

LED XP-E2
FWHM / FWTM 172.0°
Efficiency 94 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



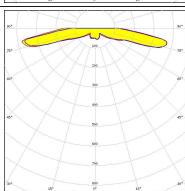
CREE \$\(\phi\) LED

LED XP-G
FWHM / FWTM 173.0°
Efficiency 88 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CREE - LED

LED XP-G2
FWHM / FWTM 172.0°
Efficiency 90 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:





OPTICAL RESULTS (MEASURED):

CREE . LED

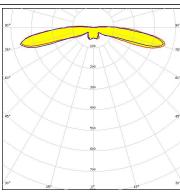
LED XT-E

FWHM / FWTM 174.0° / 188.0°

Efficiency 94 %

Peak intensity 0.4 cd/lm LEDs/each optic 1

Light colour White Required components:

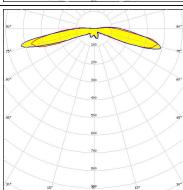


LUMILEDS

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:

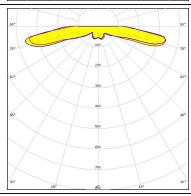


DESCRIPTION LUMILEDS

LED LUXEON A FWHM / FWTM 173.0° Efficiency 92 %

Efficiency 92 %
Peak intensity 0.4 cd/lm

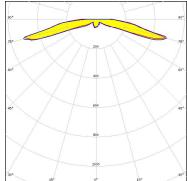
LEDs/each optic 1
Light colour White
Required components:



DESCRIPTION LUMILEDS

LED LUXEON Rebel

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

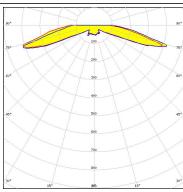




OPTICAL RESULTS (MEASURED):



LED NCSxx19A
FWHM / FWTM 165.0°
Efficiency 90 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

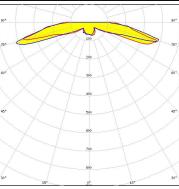


OSRAM Opto Semiconductors

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LED OSLON Square EC

FWHM / FWTM 170.0°
Efficiency 92 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

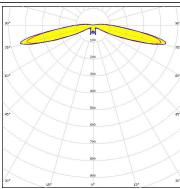






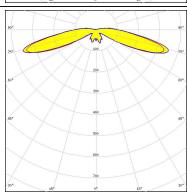
LED J Series 2835 FWHM / FWTM 167.0° / 194.0° Efficiency 96 % Peak intensity 0.4 cd/lm LEDs/each optic Light colour White

Required components:



CREE - LED

LED J Series 3030 FWHM / FWTM 167.0° / 198.0° Efficiency 96 % Peak intensity 0.4 cd/lm LEDs/each optic 1 White Light colour Required components:



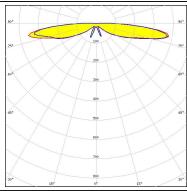
CREE \$\(\preceq\) LED

LED XE-G

FWHM / FWTM 175.0° / 188.0° Efficiency 96 %

Peak intensity 0.4 cd/lm LEDs/each optic Light colour White

Required components:



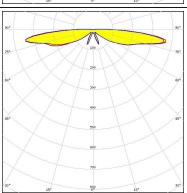
CREE - LED

XE-G

FWHM / FWTM 176.0° / 188.0° Efficiency 96 % Peak intensity 0.4 cd/lm LEDs/each optic

Green

Light colour Required components:





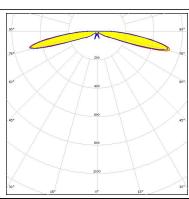
White

CREE . LED

LED XQ-E HD FWHM / FWTM 164.0° / 174.0° Efficiency 92 %

Peak intensity 0.5 cd/lm LEDs/each optic

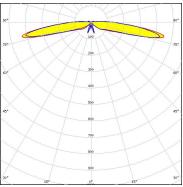
Light colour Required components:



CREE - LED

LED XQ-E HD FWHM / FWTM 172.0° / 189.0°

Efficiency 97 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Red Light colour Required components:



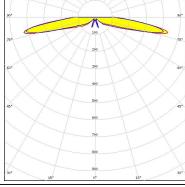
CREE \$\(\preceq\) LED

LED XQ-E HD FWHM / FWTM 170.0° / 182.0°

Efficiency 89 % Peak intensity 0.4 cd/lm LEDs/each optic

Light colour PC Amber

Required components:



CREE - LED

XQ-E HI FWHM / FWTM

Efficiency 97 % Peak intensity 0.6 cd/lm LEDs/each optic Red Light colour

166.0° / 181.0° Required components:





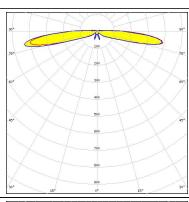
LED LUXEON C FWHM / FWTM 177.0° / 192.0°

Efficiency 95 %

Peak intensity 0.5 cd/lm LEDs/each optic 1

Light colour Red

Required components:



LUMILEDS

LED LUXEON C

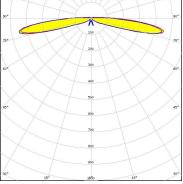
FWHM / FWTM 175.0° / 188.0°

Efficiency 95 %
Peak intensity 0.5 cd/lm

LEDs/each optic 1

Light colour Green

Required components:



MILEDS

LED LUXEON CZ

FWHM / FWTM 166.0° / 178.0°

Efficiency 97 %

Peak intensity 0.7 cd/lm

LEDs/each optic 1
Light colour Blue

Required components:

200 775 600 600 600 607 1000 607

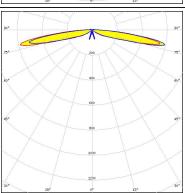
MILEDS

LED LUXEON CZ

FWHM / FWTM 168.0° / 179.0°

Efficiency 97 %
Peak intensity 0.6 cd/lm

LEDs/each optic 1
Light colour Amber





Green

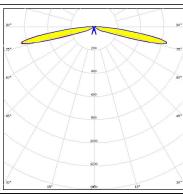


LED LUXEON CZ FWHM / FWTM 166.0° / 178.0°

Efficiency 97 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1

Required components:

Light colour



MUMILEDS

LED LUXEON CZ FWHM / FWTM 168.0° / 179.0°

Efficiency 97 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour Red
Required components:

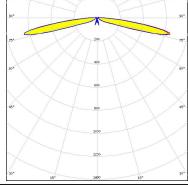
DESCRIPTION LUMILEDS

LED LUXEON CZ FWHM / FWTM 166.0° / 178.0°

Efficiency 97 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1

Light colour Royal Blue

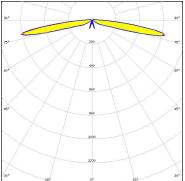
Required components:



DESCRIPTION LUMILEDS

LED LUXEON Rubix FWHM / FWTM 168.0° / 178.0°

Efficiency 97 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour Green







LED LUXEON V2

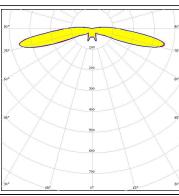
 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 172.0° / 196.0° 94 %

Efficiency Peak intensity 0.4 cd/lm

LEDs/each optic

Light colour White

Required components:



WNICHIA

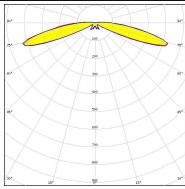
LED NCSxE17A FWHM / FWTM 166.0° / 189.0°

Efficiency 94 %

Peak intensity 0.4 cd/lm

LEDs/each optic 1 Light colour Green

Required components:



WNICHIA

LED NF2W757G-MT (Tunable White)

NVSxE21A

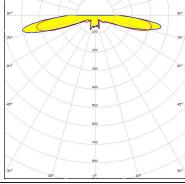
White

FWHM / FWTM 174.0 + 178.0° / 182.0°

Efficiency 90 % Peak intensity 0.4 cd/lm

LEDs/each optic Light colour Tunable White

Required components:



WNICHIA

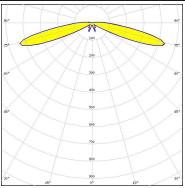
LED

FWHM / FWTM 164.0° / 188.0°

Efficiency 96 % Peak intensity 0.4 cd/lm LEDs/each optic

Required components:

Light colour





OSRAM

LED OSLON Signal

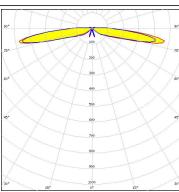
FWHM / FWTM 172.0° / 188.0° Efficiency 97 %

Red

Peak intensity 0.5 cd/lm

LEDs/each optic

Required components:



OSRAM

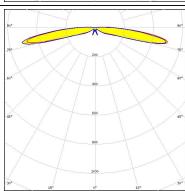
Light colour

LED OSLON SSL 150 FWHM / FWTM 172.0° / 186.0°

Efficiency 95 % Peak intensity 0.5 cd/lm

LEDs/each optic 1 White Light colour

Required components:



OSRAM Opto Semiconductor

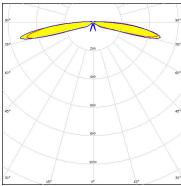
LED OSLON SSL 150

FWHM / FWTM 171.0° / 187.0°

Efficiency 97 % Peak intensity 0.5 cd/lm

LEDs/each optic 1 Light colour Red

Required components:



OSRAM

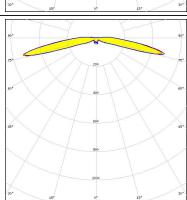
LED

OSLON SSL 80

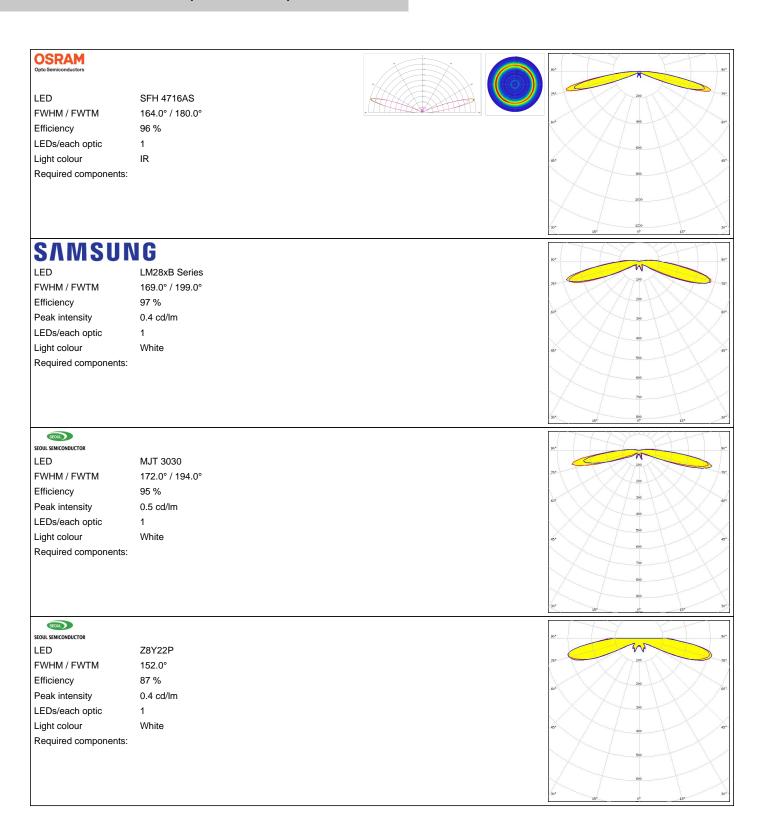
FWHM / FWTM 168.0° / 188.0° Efficiency 93 %

Peak intensity 0.5 cd/lm LEDs/each optic

White Light colour









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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