

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:

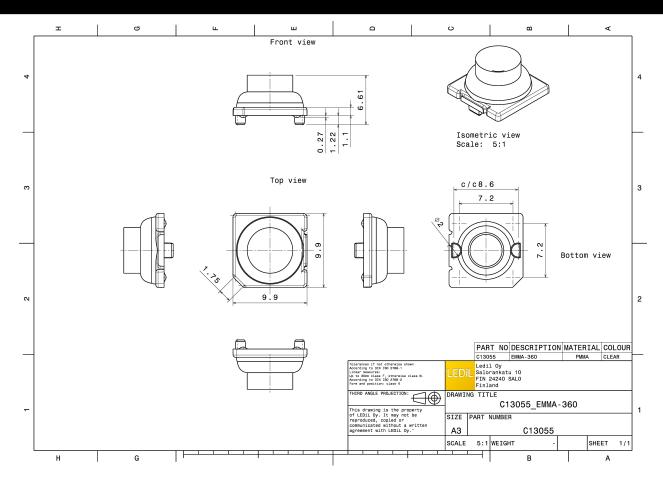
Component Qty in box MOQ MPQ Box weight (kg)

C13055_EMMA-360 5000 300 100 1.6

» Box size:



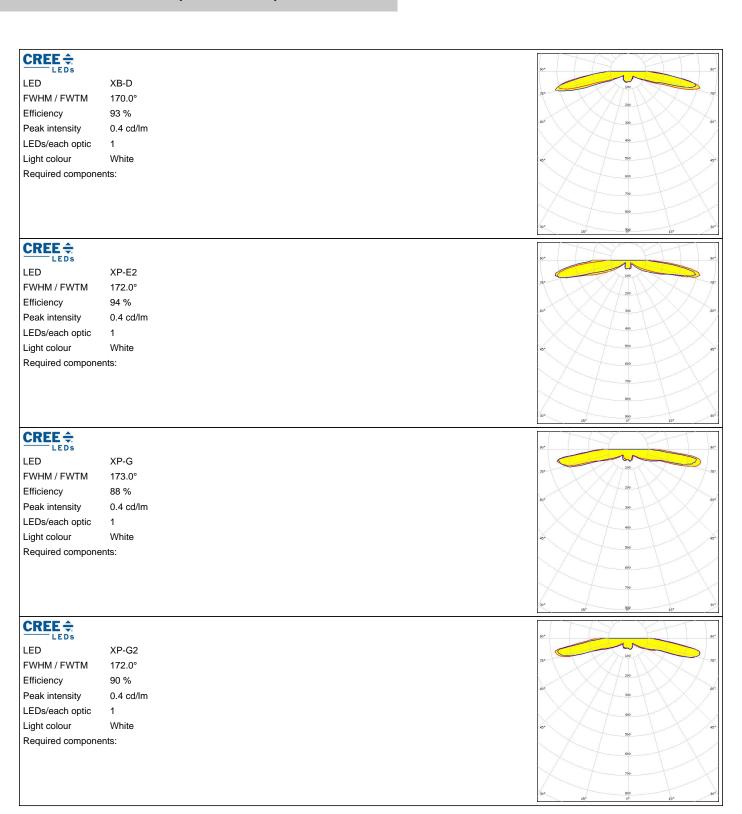
PRODUCT DATASHEET C13055_EMMA-360



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



OPTICAL RESULTS (MEASURED):





OPTICAL RESULTS (MEASURED):

CREE &

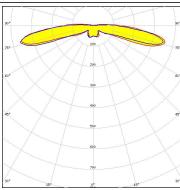
LED XT-E

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 174.0° / 188.0°

Efficiency 94 %

Peak intensity 0.4 cd/lm LEDs/each optic

Light colour White Required components:

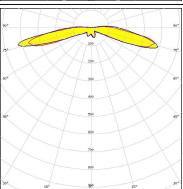


MUMILEDS

LED **LUXEON 3535 2D**

FWHM / FWTM 170.0° Efficiency 94 % Peak intensity 0.4 cd/lm LEDs/each optic 1

White Light colour Required components:

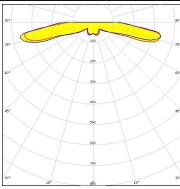


LUMILEDS

LED LUXEON A FWHM / FWTM 173.0°

Efficiency 92 % Peak intensity 0.4 cd/lm

LEDs/each optic Light colour White Required components:

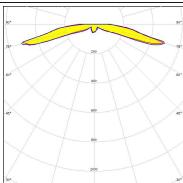


MUMILEDS

LED LUXEON Rebel

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

White Required components:

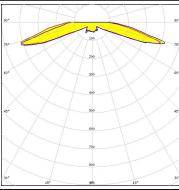




OPTICAL RESULTS (MEASURED):



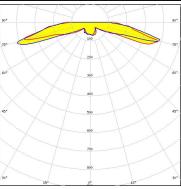
LED NCSxx19A $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 165.0° Efficiency 90 % Peak intensity 0.4 cd/lm LEDs/each optic Light colour White Required components:



OSRAM Opto Semiconductors

LED OSLON Square EC

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





CREE &

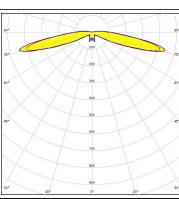
LED J Series 2835

FWHM / FWTM 167.0° / 194.0° Efficiency 96 %

Peak intensity 0.4 cd/lm

LEDs/each optic 1
Light colour White

Light colour W
Required components:



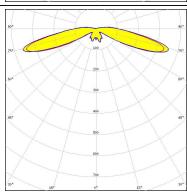
CREE +

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 &

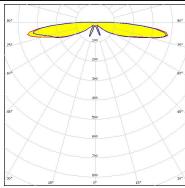
LED XE-G

FWHM / FWTM 175.0° / 188.0°

Efficiency 96 %
Peak intensity 0.4 cd/lm

LEDs/each optic 1
Light colour White

Required components:



CREE \$

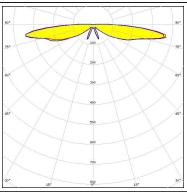
Light colour

LED XE-G

FWHM / FWTM 176.0° / 188.0°

Green

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







LED XQ-E HD

FWHM / FWTM 164.0° / 174.0°

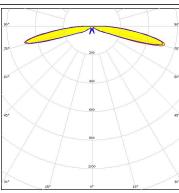
Efficiency 92 %

Peak intensity 0.5 cd/lm

Peak intensity 0.5 cd/lm

LEDs/each optic 1
Light colour White

Required components:



CREE \$

LED XQ-E HD

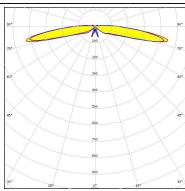
FWHM / FWTM 172.0° / 189.0°

Efficiency 97 %

Peak intensity 0.5 cd/lm

LEDs/each optic 1
Light colour Red

Required components:



CREE \$

LED XQ-E HD

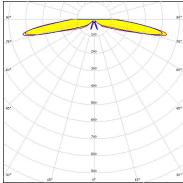
FWHM / FWTM 170.0° / 182.0°

Efficiency 89 %

Peak intensity 0.4 cd/lm LEDs/each optic 1

Light colour PC Amber

Required components:



CREE -

LED XQ-E HI

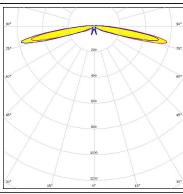
FWHM / FWTM 166.0° / 181.0°

Efficiency 97 %

Peak intensity 0.6 cd/lm

LEDs/each optic 1

Light colour Red







LED LUXEON C

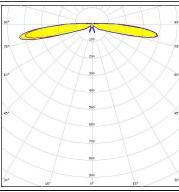
FWHM / FWTM 177.0° / 192.0°

Efficiency 95 %

Peak intensity 0.5 cd/lm

LEDs/each optic 1
Light colour Red

Required components:



LUMILEDS

LED LUXEON C

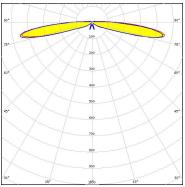
FWHM / FWTM 175.0° / 188.0°

Efficiency 95 %

Peak intensity 0.5 cd/lm

LEDs/each optic 1
Light colour Green

Required components:



LUMILEDS

LED LUXEON CZ

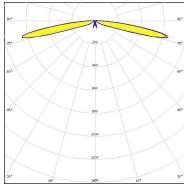
FWHM / FWTM 166.0° / 178.0°

Efficiency 97 %

Peak intensity 0.7 cd/lm LEDs/each optic 1

Light colour Royal Blue

Required components:



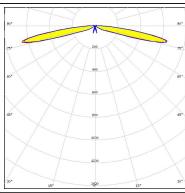
MILEDS

LED LUXEON CZ

FWHM / FWTM 166.0° / 178.0°

Efficiency 97 %
Peak intensity 0.7 cd/lm

LEDs/each optic 1
Light colour Blue







LED LUXEON CZ FWHM / FWTM 168.0° / 179.0°

Efficiency 97 %

Peak intensity 0.6 cd/lm LEDs/each optic 1

Light colour Amber

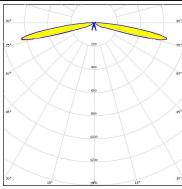


DESCRIPTION LUMILEDS

LED LUXEON CZ FWHM / FWTM 166.0° / 178.0°

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

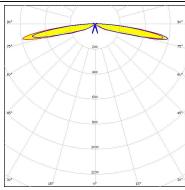
Required components:



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:



MILEDS

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 FWHM / FWTM 172.0° / 196.0

FWHM / FWTM 172.0° / 196.0° Efficiency 94 %

Peak intensity 0.4 cd/lm

LEDs/each optic 1

Light colour White Required components:



LED NCSxE17A

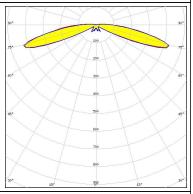
FWHM / FWTM 166.0° / 189.0°

Efficiency 94 %
Peak intensity 0.4 cd/lm

LEDs/each optic 1

Light colour Green

Required components:



WNICHIA

LED NF2W757G-MT (Tunable White)

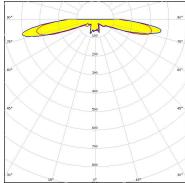
FWHM / FWTM 174.0 + 178.0° / 182.0°

Efficiency 90 %
Peak intensity 0.4 cd/lm

LEDs/each optic 1

Light colour Tunable White

Required components:



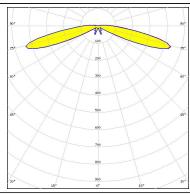
WNICHIA

LED NVSxE21A

FWHM / FWTM 164.0° / 188.0°

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

Light colour
Required components:





OSRAM

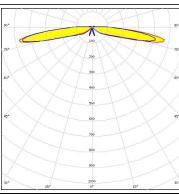
LED OSLON Signal

FWHM / FWTM 172.0° / 188.0° Efficiency 97 %

Peak intensity 0.5 cd/lm

LEDs/each optic Light colour Red

Required components:



OSRAM

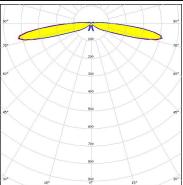
LED **OSLON Signal** FWHM / FWTM 172.0° / 192.0°

Efficiency 97 %

Peak intensity 0.4 cd/lm LEDs/each optic 1

White Light colour

Required components:



OSRAM Opto Semiconductor

LED OSLON SSL 150

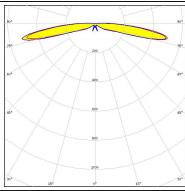
FWHM / FWTM 172.0° / 186.0° Efficiency 95 %

Peak intensity 0.5 cd/lm

LEDs/each optic 1

Light colour White

Required components:



OSRAM

LED

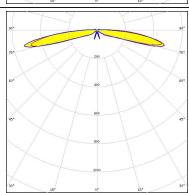
OSLON SSL 150

FWHM / FWTM 171.0° / 187.0°

Efficiency 97 % 0.5 cd/lm

Peak intensity LEDs/each optic

Red Light colour



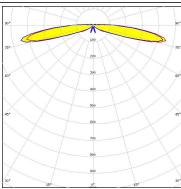


OSRAM

LED OSLON SSL 150 FWHM / FWTM 172.0° / 188.0°

Efficiency 97 % Peak intensity 0.5 cd/lm LEDs/each optic Light colour White

Required components:

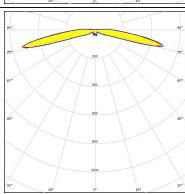


OSRAM

LED OSLON SSL 80 FWHM / FWTM 168.0° / 188.0° Efficiency 93 %

Peak intensity 0.5 cd/lm LEDs/each optic 1 White Light colour

Required components:

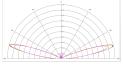


OSRAM Opto Semiconductor

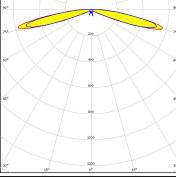
LED

SFH 4716AS $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 164.0° / 180.0°

Efficiency 96 % LEDs/each optic 1 Light colour IR Required components:







SAMSUNG

LM28xB Series FWHM / FWTM 169.0° / 199.0°

97 % Efficiency Peak intensity 0.4 cd/lm LEDs/each optic White Light colour

