HB-2X2-WW

~65° wide beam

SPECIFICATION:

Dimensions 50.0 x 50.0 Height 8.5 mm glue, pin, screw Fastening **ROHS** compliant yes 🕕



MATERIALS:

Type Finish Component Material Colour Length (mm) HB-2X2-WW Multi-lens **PMMA** clear

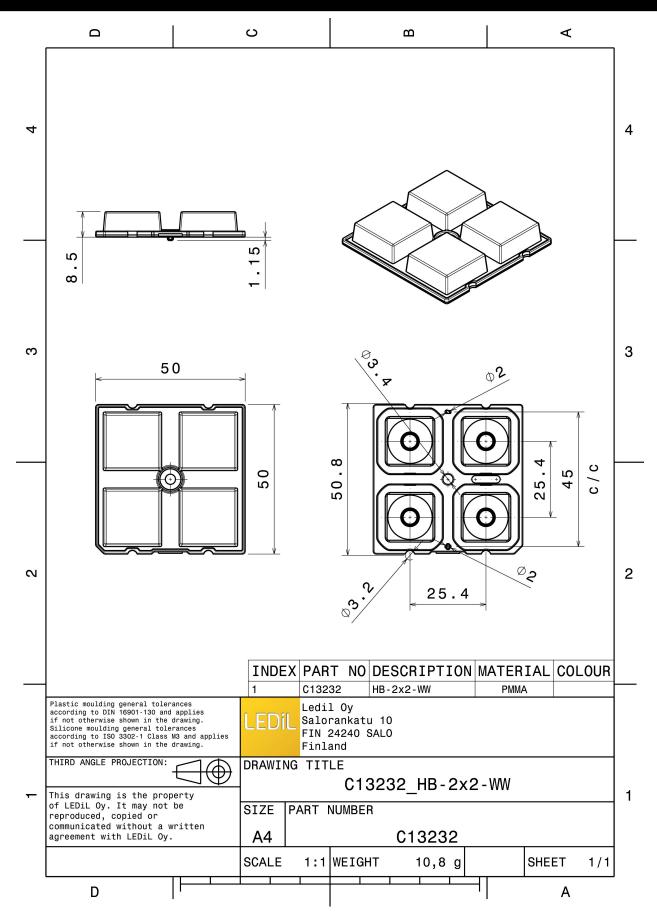
ORDERING INFORMATION:

» Box size: 480 x 280 x 300 mm

Component Qty in box MOQ MPQ Box weight (kg)

800 C13232_HB-2X2-WW 160 160 9.5



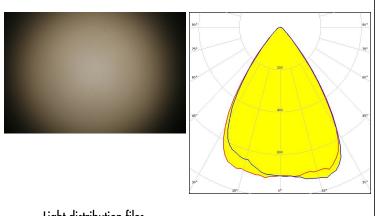


See also our general installation guide: www.ledil.com/installation_guide



CREE -

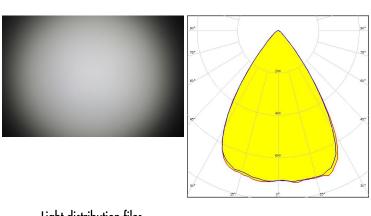
LED XP-G $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 69.0° / 92.0° Efficiency 91 % Peak intensity 0.8 cd/lm LEDs/each optic Light colour/type White Required components:



Light distribution files

CREE \$

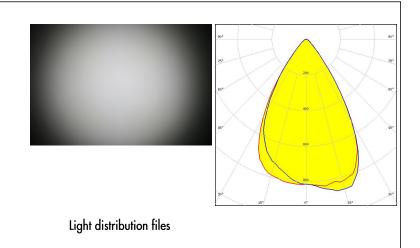
XP-G2 FWHM / FWTM 69.0° / 92.0° Efficiency 91 % Peak intensity 0.7 cd/lm LEDs/each optic Light colour/type White Required components:



Light distribution files

CREE \$

LED XT-E FWHM / FWTM 65.0° / 89.0° Efficiency 91 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour/type White Required components:





inventronics

LED PrevaLED Brick HP 2x8

FWHM / FWTM 67.0° / 92.0°

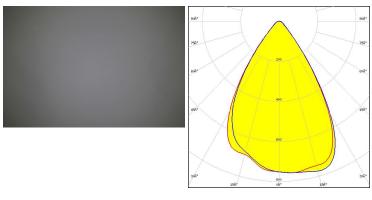
Efficiency 92 %

Peak intensity 0.8 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:

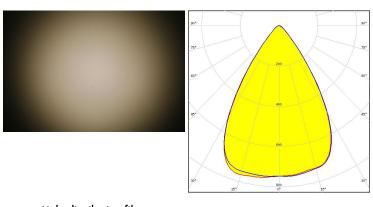


Light distribution files

M LUMILEDS

LED LUXEON Q
FWHM / FWTM 67.0° / 92.0°
Efficiency 91 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1

Light colour/type White Required components:

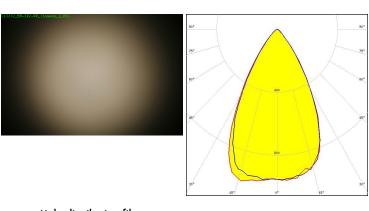


Light distribution files

MILEDS

LED LUXEON Z ES FWHM / FWTM 59.0° / 87.0° Efficiency 90 % Peak intensity 1 cd/lm LEDs/each optic 1

Light colour/type White Required components:

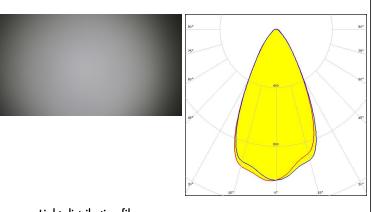


Light distribution files



WNICHIA

NVSxE21A 54.0° / 89.0° FWHM / FWTM Efficiency 94 % Peak intensity 1.1 cd/lm LEDs/each optic Light colour/type White Required components:

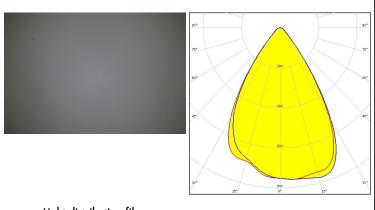


Light distribution files

OSRAM Opto Semiconductors

OSLON Square CSSRM2/CSSRM3

FWHM / FWTM 67.0° / 92.0° Efficiency 92 % Peak intensity 0.8 cd/lm LEDs/each optic Light colour/type White Required components:

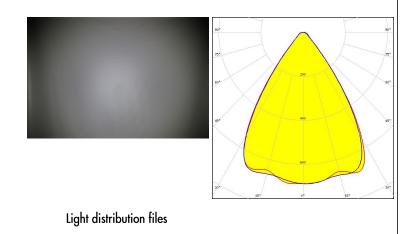


Light distribution files

OSRAM

LED OSLON Square CSSRM2/CSSRM3

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 71.0° / 94.0° Efficiency 94 % Peak intensity 0.7 cd/lm LEDs/each optic 1 Light colour/type White Required components:



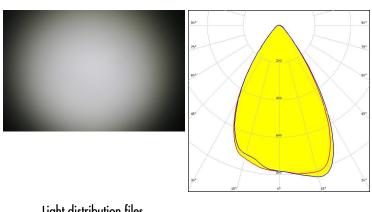
Last update: 02/04/2025 Subject to change without prior notice Published: 15/07/2019



OSRAM Opto Semiconductors

OSLON Square PC 63.0° / 90.0° FWHM / FWTM Efficiency 91 % Peak intensity 0.9 cd/lm LEDs/each optic

Light colour/type White Required components:

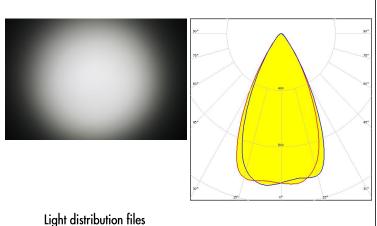


Light distribution files

OSRAM Opto Semiconductors

OSLON SSL 80 FWHM / FWTM 54.0° / 80.0° Efficiency 92 % Peak intensity 1.1 cd/lm LEDs/each optic

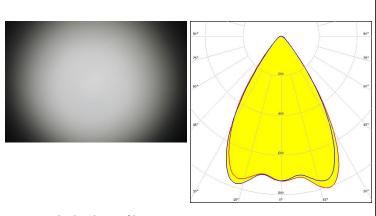
Light colour/type White Required components:



SAMSUNG

LED LH351A FWHM / FWTM 68.0° / 91.0° Efficiency 92 % Peak intensity 0.8 cd/lm LEDs/each optic 1

Light colour/type White Required components:

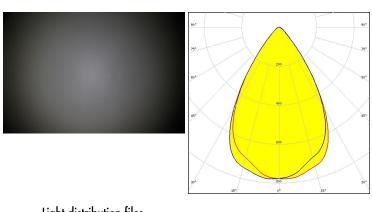


Light distribution files



SAMSUNG

LH351B 65.0° / 92.0° FWHM / FWTM Efficiency 89 % Peak intensity 0.8 cd/lm LEDs/each optic Light colour/type White Required components:

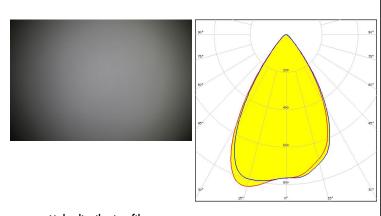


Light distribution files

SAMSUNG

LH351Z FWHM / FWTM 63.0° / 89.0° Efficiency 89 % Peak intensity 0.9 cd/lm LEDs/each optic

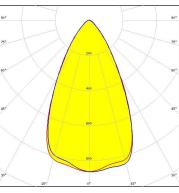
Light colour/type White Required components:



Light distribution files

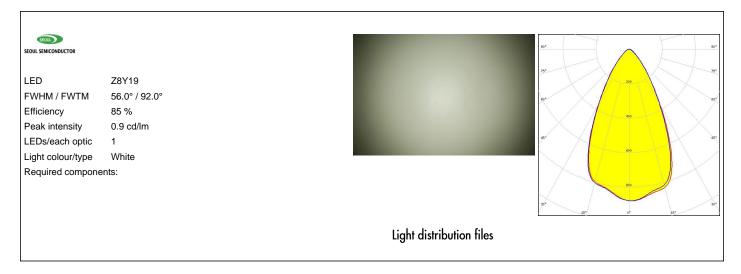


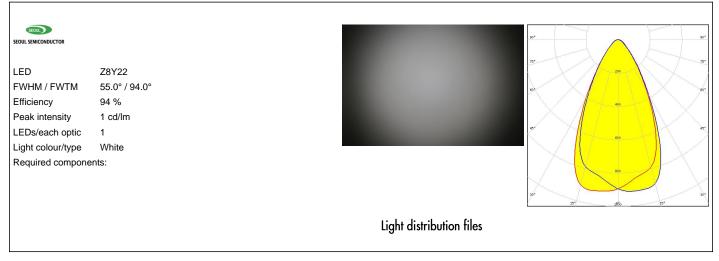
LED Z8Y15 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 56.0° / 92.0° Efficiency 85 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour/type White Required components:

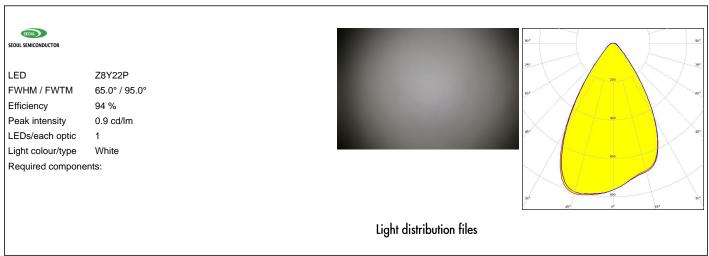


Light distribution files





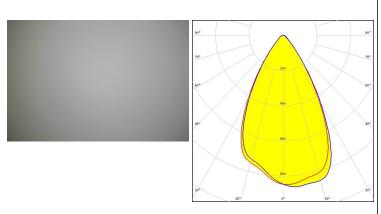






TOSHIBA Leading Innovation >>>

TL1L4 FWHM / FWTM 60.0° / 87.0° Efficiency 84 % Peak intensity 0.9 cd/lm LEDs/each optic Light colour/type White Required components:

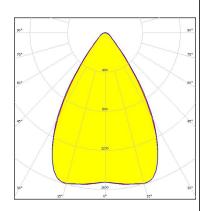


Light distribution files

TRIDONIC

RLE G1 49x121mm 2000lm xxx EXC OTD

FWHM / FWTM 67.0° / 93.0° Efficiency 94 % Peak intensity 0.9 cd/lm LEDs/each optic Light colour/type White Required components:

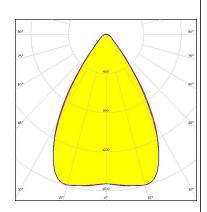


Light distribution files

TRIDONIC

LED RLE G1 49x133mm 2000lm xxx EXC OTD

FWHM / FWTM 67.0° / 93.0° Efficiency 94 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour/type White Required components:



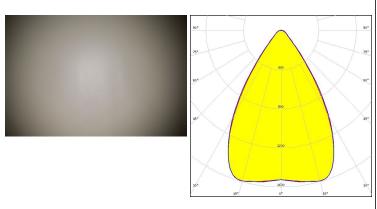
Light distribution files



TRIDONIC

LED RLE G1 49x223mm 4000lm xxx EXC OTD

FWHM / FWTM 67.0° / 93.0°
Efficiency 94 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

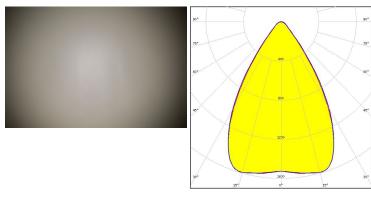


Light distribution files

TRIDONIC

LED RLE G1 49x245mm 4000lm xxx EXC OTD

FWHM / FWTM 67.0° / 93.0°
Efficiency 94 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

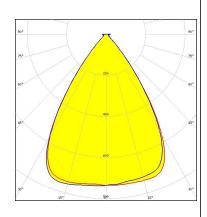


OPTICAL RESULTS (SIMULATED):



LED XD16
FWHM / FWTM 69.0° / 90.0°
Efficiency 95 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files

CREE \$

LED XP-G2
FWHM / FWTM 72.0° / 94.0°
Efficiency 92 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

50°

200

60°

60°

60°

50°

60°

50°

60°

50°

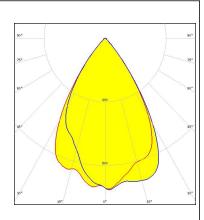
Light distribution files

Protective plate, glass

MILEDS

LED LUXEON 3030 2D (Round LES)

FWHM / FWTM 64.0° / 82.0°
Efficiency 94 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



OPTICAL RESULTS (SIMULATED):



Required components:

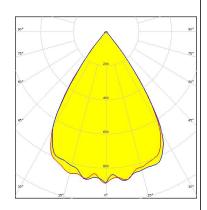
LFD LUXEON C $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 65.0° / 88.0° Efficiency 94 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour/type White

Light distribution files

OSRAM Opto Semiconductore

OSCONIQ C 2424 LFD FWHM / FWTM 68.0° / 82.0° Efficiency 97 % Peak intensity 0.9 cd/lm LEDs/each optic Light colour/type White

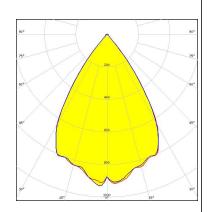
Required components:



Light distribution files

OSRAM

OSCONIQ C 3030 FWHM / FWTM 68.0° / 84.0° Efficiency 97 % Peak intensity 0.9 cd/lm LEDs/each optic Light colour/type White Required components:



Light distribution files



OPTICAL RESULTS (SIMULATED):

OSRAM Opto Semiconductors

 LED
 OSCONIQ C 3030

 FWHM / FWTM
 68.0° / 84.0°

 Efficiency
 89 %

 Peak intensity
 0.9 cd/lm

LEDs/each optic 1
Light colour/type White

Protective plate, glass

Required components:

Light distribution files

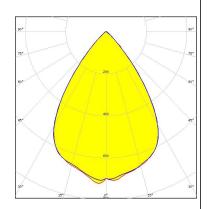
OSRAM Opto Semiconductore

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM 70.0° / 94.0°
Efficiency 88 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White

Protective plate, glass

Required components:



Light distribution files



LED

FWHM / FWTM 63.0° / 86.0° Efficiency 94 % Peak intensity 1 cd/lm LEDs/each optic 1

Z8Y22T

Light colour/type White Required components:

Light distribution files



PRODUCT DATASHEET C13232 HB-2X2-WW

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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