

HB-2X2-M

~25° medium beam

TECHNICAL SPECIFICATIONS:

Dimensions 50.0 x 50.0 mm

Height 8.5 mm

Fastening glue, pin, screw

ROHS compliant yes 1



MATERIAL SPECIFICATIONS:

ComponentTypeMaterialColourFinishHB-2X2-MMulti-lensPMMAclear

ORDERING INFORMATION:

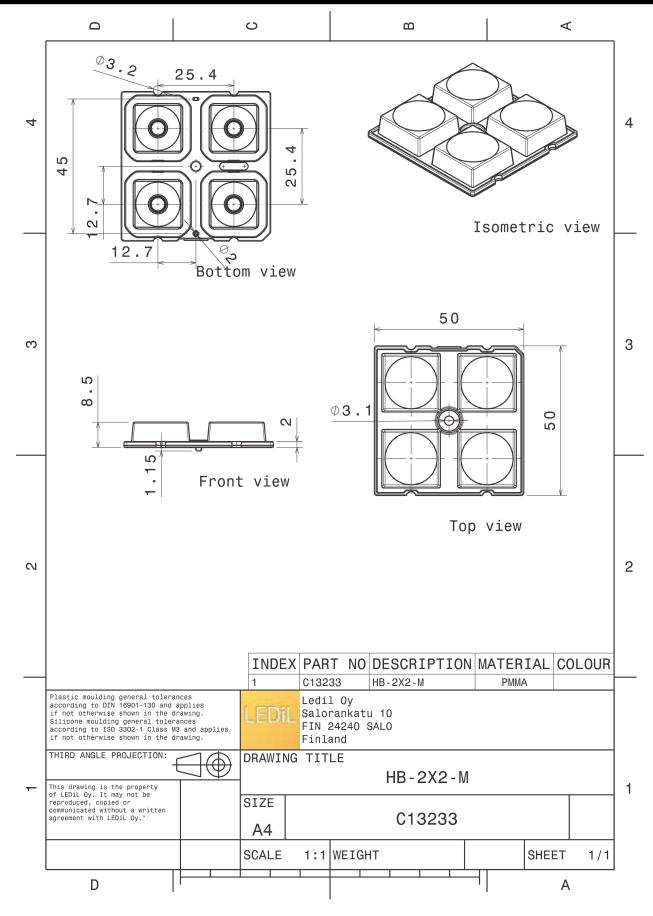
Component

C13233_HB-2X2-M

» Box size: 480 x 280 x 300 mm

Qty in box MOQ MPQ Box weight (kg) 800 160 160 9.2





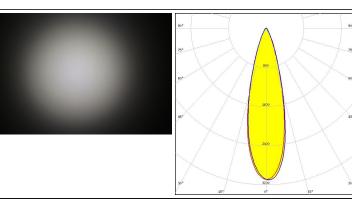
See also our general installation guide: www.ledil.com/installation_guide





LED QUICK FLUX XTP 2x4 xxx LS G5

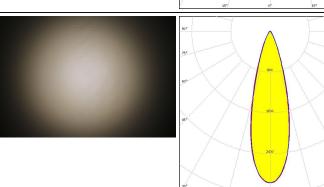
FWHM / FWTM 28.0° / 52.0°
Efficiency 94 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CONET

LED QUICK FLUX XTP 2x6 xxx LS G5

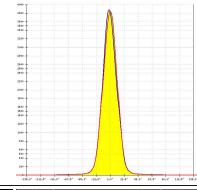
FWHM / FWTM 29.0° / 52.0°
Efficiency 94 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CREE - LED

LED XB-D FWHM / FWTM 26.0° / 47.0°

Efficiency 94 %
Peak intensity 3.9 cd/lm
LEDs/each optic 1
Light colour White



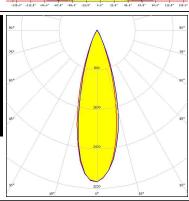
CREE - LED

Required components:

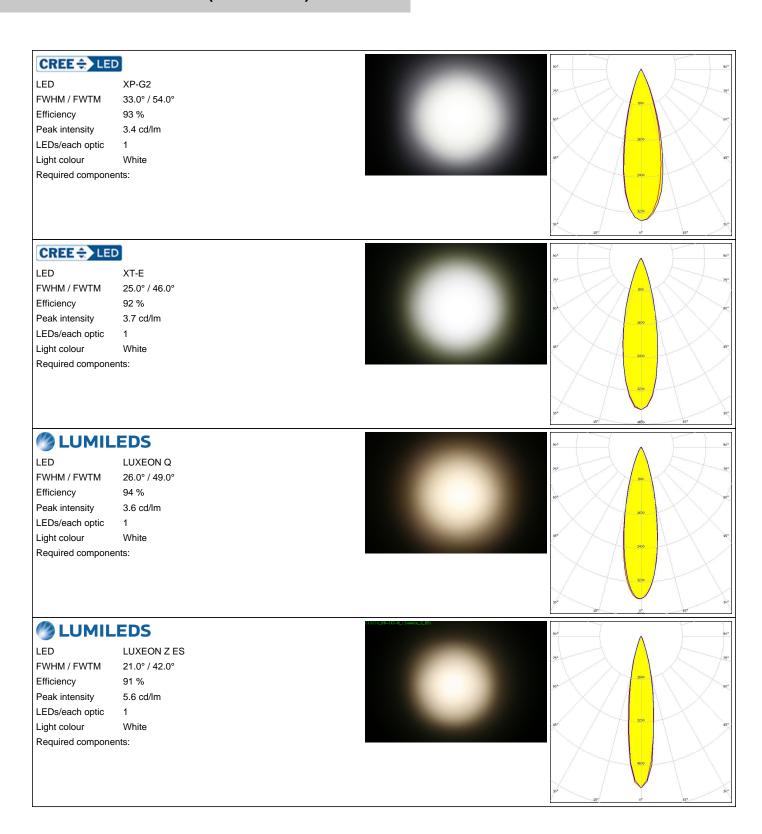
LED XP-G

FWHM / FWTM 31.0° / 54.0°
Efficiency 91 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

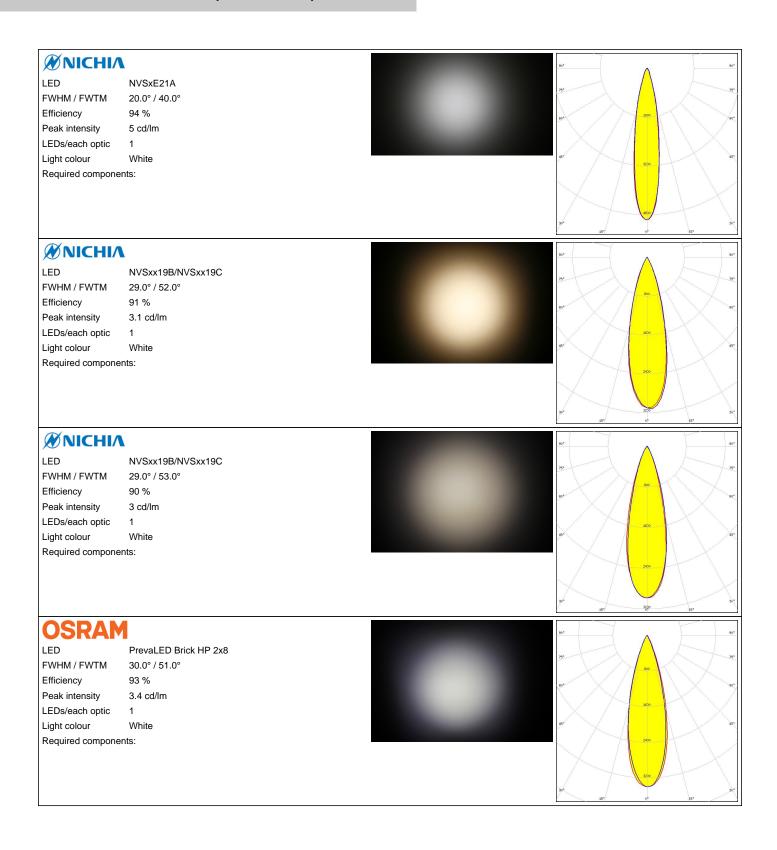










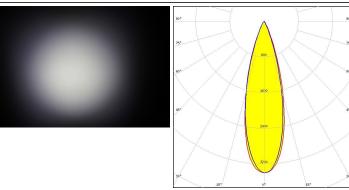




OSRAM

LED OSLON Square CSSRM2/CSSRM3

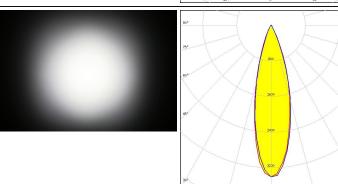
FWHM / FWTM 30.0° / 51.0°
Efficiency 93 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconducto

LEDOSLON Square PCFWHM / FWTM30.0° / 54.0°Efficiency91 %Peak intensity3.4 cd/lmLEDs/each optic1Light colourWhiteRequired components:



SAMSUNG

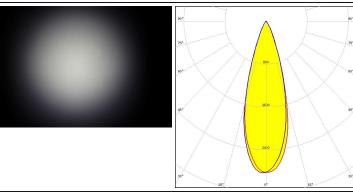
 LED
 LH351B

 FWHM / FWTM
 31.0° / 53.0°

 Efficiency
 94 %

 Peak intensity
 2.8 cd/lm

LEDs/each optic 1
Light colour White
Required components:



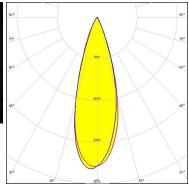
SAMSUNG

FWHM / FWTM 32.0° / 52.0°
Efficiency 93 %

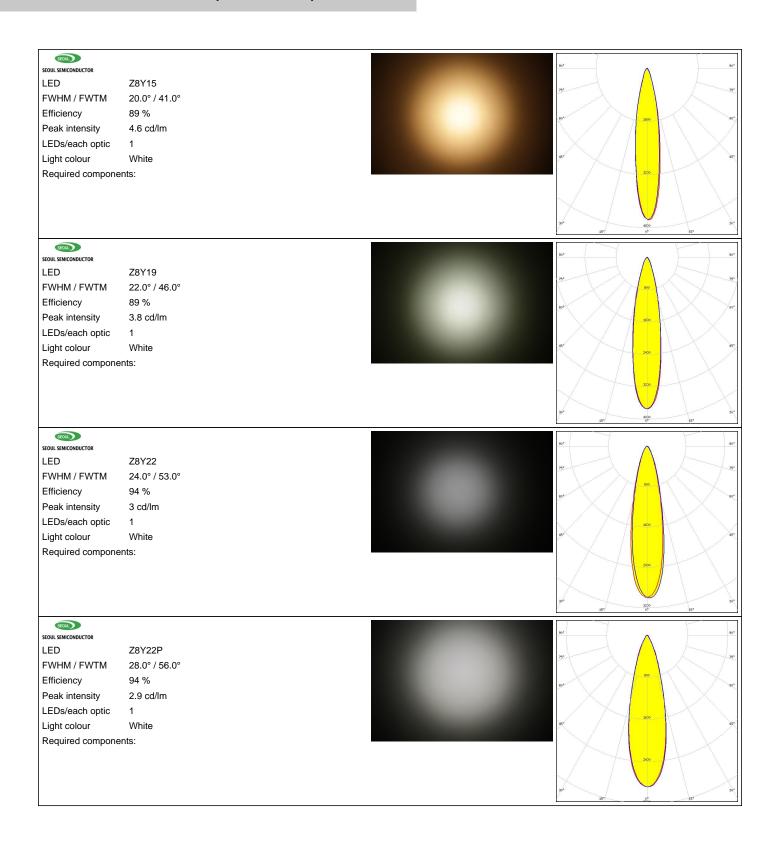
Peak intensity 2.9 cd/lm LEDs/each optic 1 Light colour White

Required components:









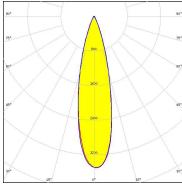


TOSHIBA

Leading Innovation

LED TL1L4
FWHM / FWTM 25.0° / 46.0°
Efficiency 85 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

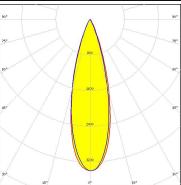




TRIDONIC

LED RLE 2x4 2000lm HP EXC2 OTD

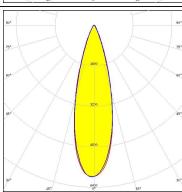
FWHM / FWTM 29.0° / 50.0°
Efficiency 93 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



TRIDONIC

LED RLE G1 49x121mm 2000lm xxx EXC OTD

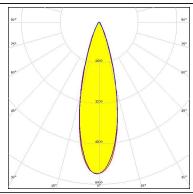
FWHM / FWTM 29.0° / 53.0°
Efficiency 94 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



TRIDONIC

LED RLE G1 49x133mm 2000lm xxx EXC OTD

FWHM / FWTM 29.0° / 53.0°
Efficiency 94 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

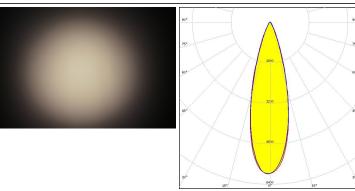




TRIDONIC

RLE G1 49x223mm 4000lm xxx EXC OTD

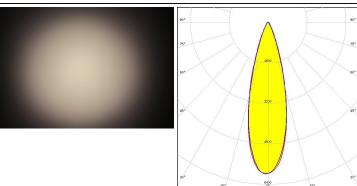
 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 29.0° / 53.0° Efficiency 94 % Peak intensity 3 cd/lm LEDs/each optic Light colour White Required components:



TRIDONIC

LED RLE G1 49x245mm 4000lm xxx EXC OTD

FWHM / FWTM 29.0° / 53.0° Efficiency 94 % 3 cd/lm Peak intensity LEDs/each optic 1 Light colour White Required components:





PHOTOMETRIC DATA (SIMULATED):



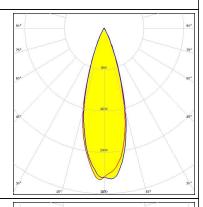
LED XD16
FWHM / FWTM 28.0° / 48.0°
Efficiency 95 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour White

CREE & LED

Required components:

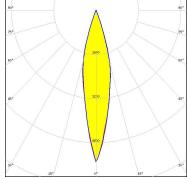
LED XP-G2
FWHM / FWTM 32.0° / 52.0°
Efficiency 93 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass



CREE - LED

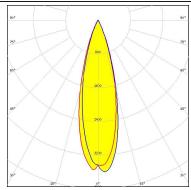
LED XQ-E HI
FWHM / FWTM 22.0° / 42.0°
Efficiency 93 %
Peak intensity 5.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



MUMILEDS

LED LUXEON 3030 2D (Round LES)

FWHM / FWTM 28.0° / 49.0°
Efficiency 94 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:





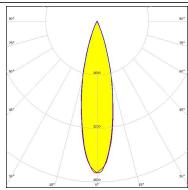
PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

LED LUXEON C $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 25.0° / 45.0° Efficiency 94 % Peak intensity 4.6 cd/lm LEDs/each optic

White

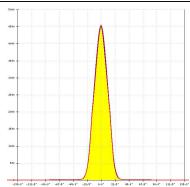
Required components:



OSRAM

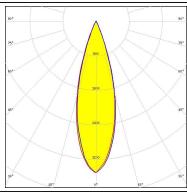
Light colour

LED OSCONIQ C 2424 FWHM / FWTM 26.0° / 43.0° Efficiency 96 % Peak intensity 4.6 cd/lm LEDs/each optic 1 White Light colour Required components:



OSRAM Opto Semiconductor

LED OSLON SSL 80 FWHM / FWTM 29.6° / 48.1° Efficiency 94 % Peak intensity 3.5 cd/lm LEDs/each optic 1 Light colour White Required components:

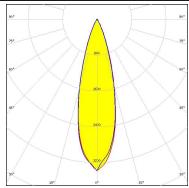


SAMSUNG

LH231B FWHM / FWTM 28.0° / 50.0° 94 % Efficiency

Peak intensity 3.4 cd/lm LEDs/each optic White Light colour

Required components:





PHOTOMETRIC DATA (SIMULATED):





PRODUCT DATASHEET C13233_HB-2X2-M

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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