

HB-2X2-M

~25° medium beam

SPECIFICATION:

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



MPQ

Box weight (kg)

MATERIALS:

Component **Type** Material Colour **Finish** HB-2X2-M Multi-lens **PMMA** clear

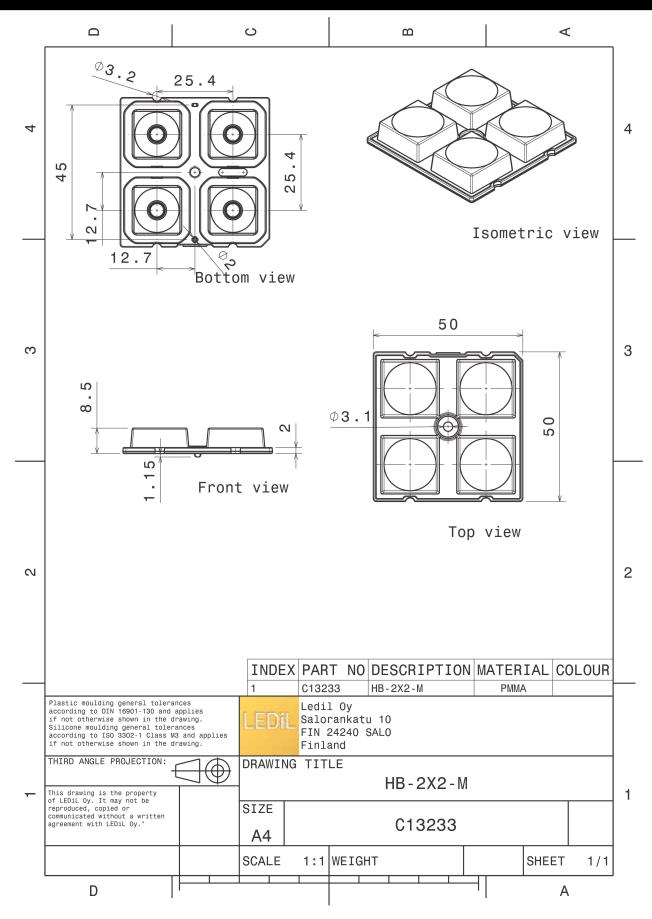
ORDERING INFORMATION:

» Box size: 480 x 280 x 300 mm

Component Qty in box MOQ

800 160 C13233_HB-2X2-M 160 9.2

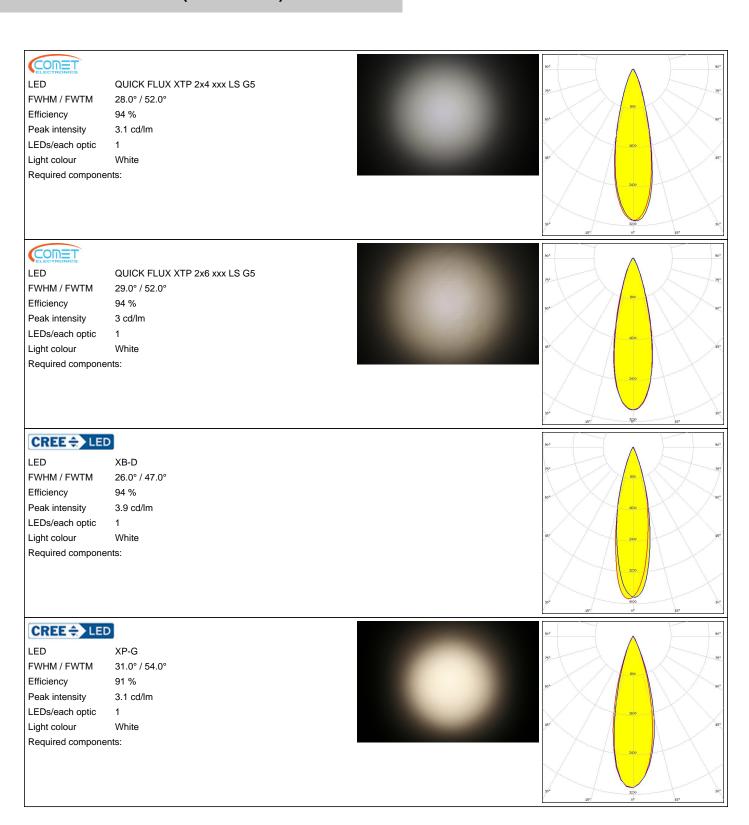




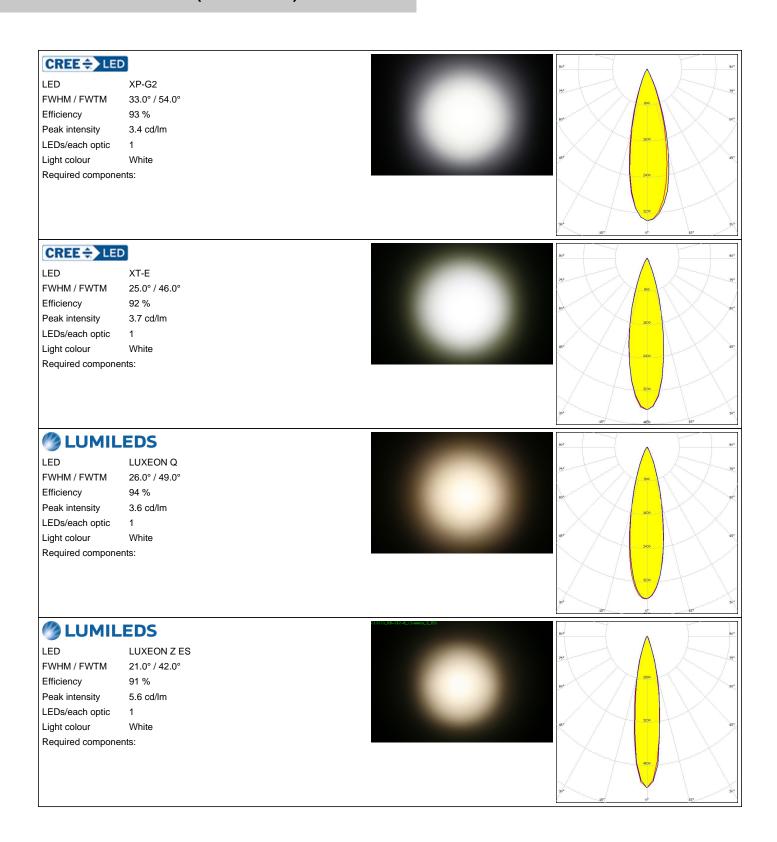
See also our general installation guide: www.ledil.com/installation_guide

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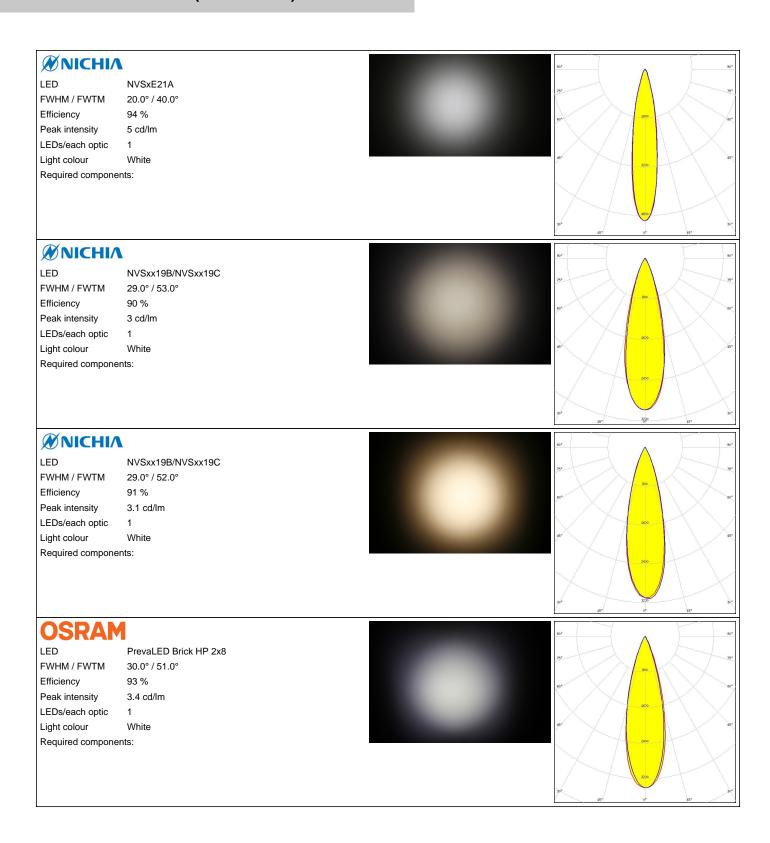










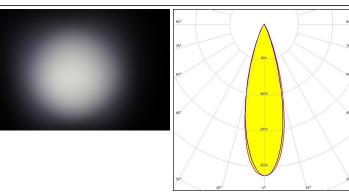




OSRAM

LED OSLON Square CSSRM2/CSSRM3

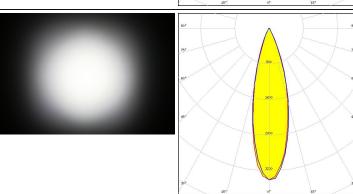
FWHM / FWTM 30.0° / 51.0°
Efficiency 93 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconducto

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



SAMSUNG

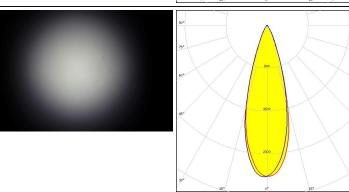
 LED
 LH351B

 FWHM / FWTM
 31.0° / 53.0°

 Efficiency
 94 %

 Peak intensity
 2.8 cd/lm

LEDs/each optic 1
Light colour White
Required components:

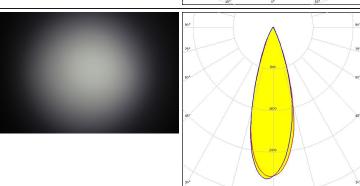


SAMSUNG

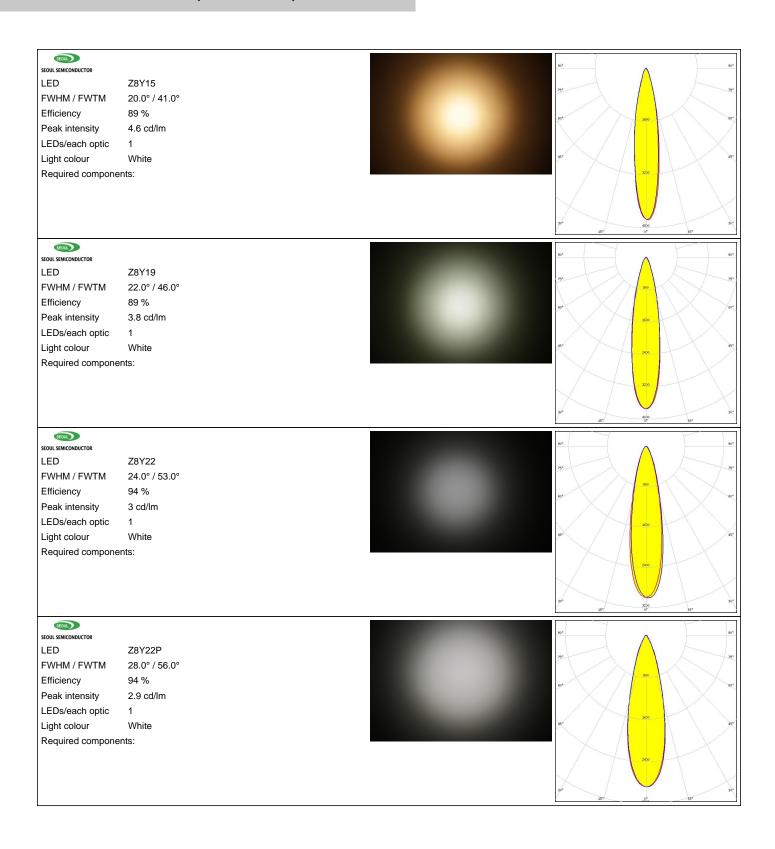
LED LH351Z

FWHM / FWTM 32.0° / 52.0°
Efficiency 93 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1

LEDs/each optic 1
Light colour White
Required components:



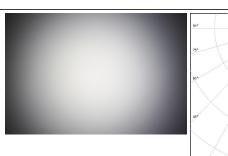


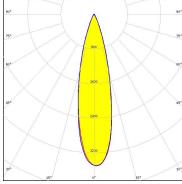




TOSHIBA

LED TL1L4 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 25.0° / 46.0° Efficiency 85 % Peak intensity 3.5 cd/lm LEDs/each optic Light colour White Required components:

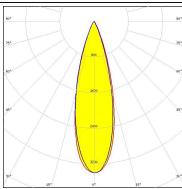




TRIDONIC

LED RLE 2x4 2000lm HP EXC2 OTD

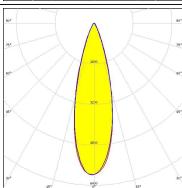
FWHM / FWTM 29.0° / 50.0° Efficiency 93 % Peak intensity 3.4 cd/lm LEDs/each optic 1 White Light colour Required components:



TRIDONIC

LED RLE G1 49x121mm 2000lm xxx EXC OTD

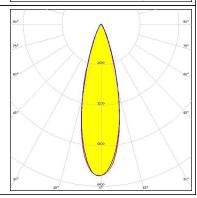
FWHM / FWTM 29.0° / 53.0° Efficiency 94 % Peak intensity 3 cd/lm LEDs/each optic Light colour White Required components:



TRIDONIC

RLE G1 49x133mm 2000lm xxx EXC OTD

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

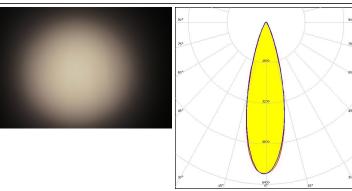




TRIDONIC

LED RLE G1 49x223mm 4000lm xxx EXC OTD

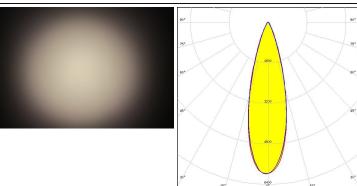
FWHM / FWTM 29.0° / 53.0°
Efficiency 94 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



TRIDONIC

LED RLE G1 49x245mm 4000lm 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:



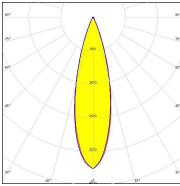


OPTICAL RESULTS (SIMULATED):



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

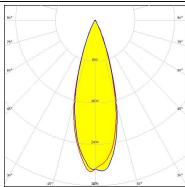
Required components:



CREE & LED

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:

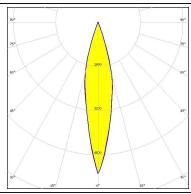
Protective plate, glass



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

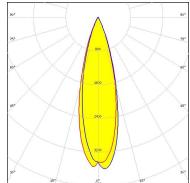
Required components:



DESCRIPTION LUMILEDS

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:





OPTICAL RESULTS (SIMULATED):



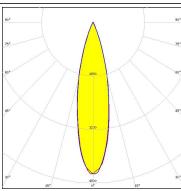
LED LUXEON C $\mathsf{FWHM}\,/\,\mathsf{FWTM}$

25.0° / 45.0° Efficiency 94 %

Peak intensity 4.6 cd/lm LEDs/each optic

Light colour White

Required components:

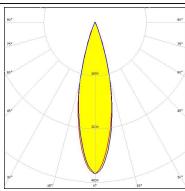


OSRAM

LED OSCONIQ C 2424 FWHM / FWTM 26.0° / 43.0° Efficiency 96 %

Peak intensity 4.6 cd/lm LEDs/each optic 1

Light colour Required components:



OSRAM Opto Semiconductor

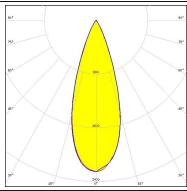
OSLON Square CSSRM2/CSSRM3 LED

White

FWHM / FWTM 36.0° / 56.0° Efficiency 87 % Peak intensity 2.3 cd/lm LEDs/each optic 1

Light colour White Required components:

Protective plate, glass



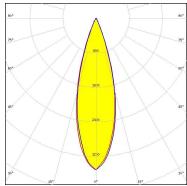
OSRAM

LED

OSLON SSL 80 FWHM / FWTM 29.6° / 48.1° Efficiency 94 %

Peak intensity 3.5 cd/lm LEDs/each optic White Light colour

Required components:





OPTICAL RESULTS (SIMULATED):

SAMSUNG LED LH2:

 LED
 LH231B

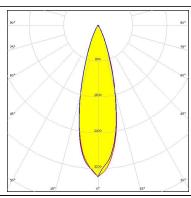
 FWHM / FWTM
 28.0° / 50.0°

 Efficiency
 94 %

 Peak intensity
 3.4 cd/lm

LEDs/each optic 1
Light colour White

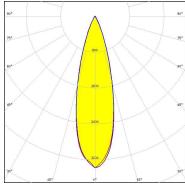
Required components:



SEOUL SEMICONDUCTOR

LED Z8Y22T
FWHM / FWTM 28.0° / 51.0°
Efficiency 94 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White

Required components:





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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