

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 🕕



Box weight (kg)

MATERIALS:

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

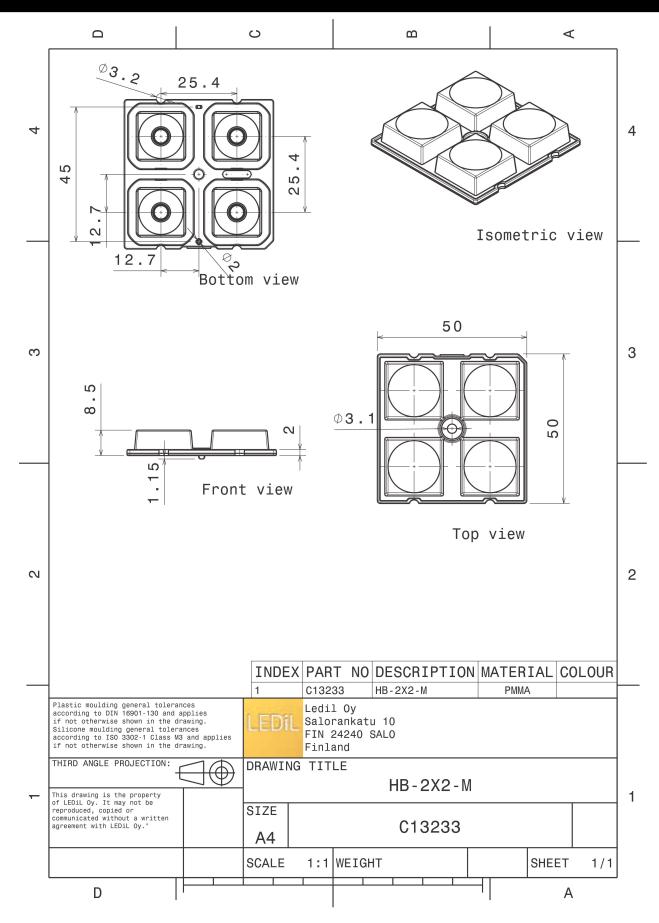
ORDERING INFORMATION:

» Box size: 480 x 280 x 300 mm

Component Qty in box MOQ MPQ

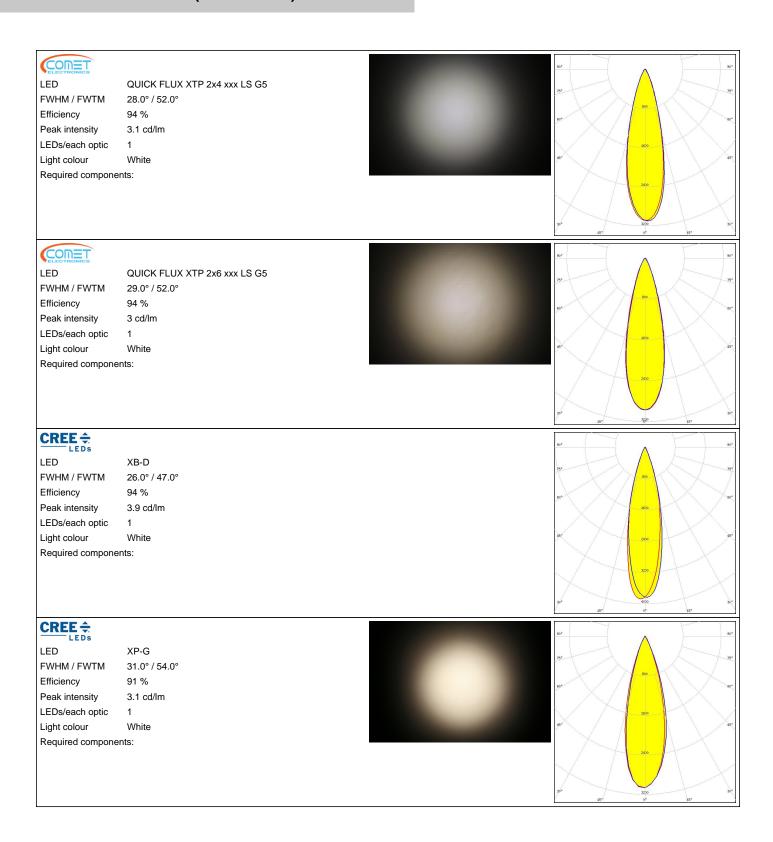
800 160 C13233_HB-2X2-M 160 9.2



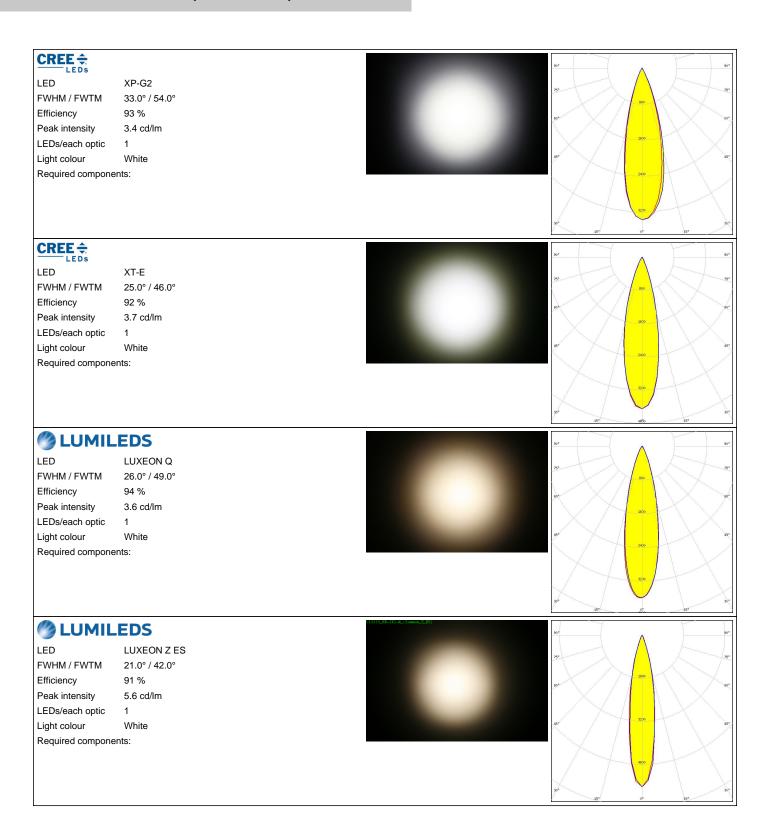


See also our general installation guide: www.ledil.com/installation_guide

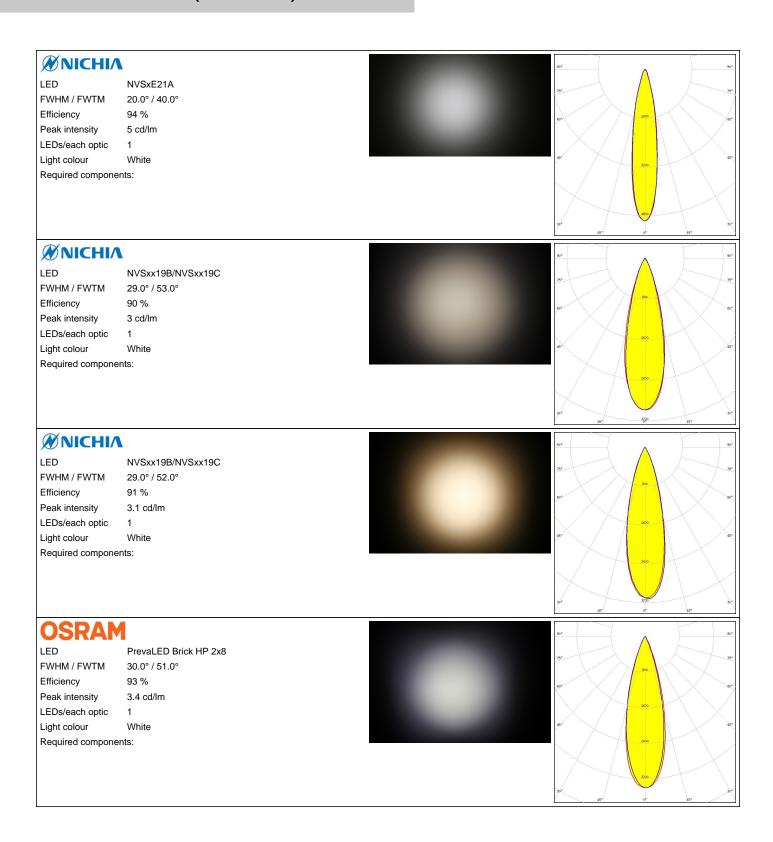










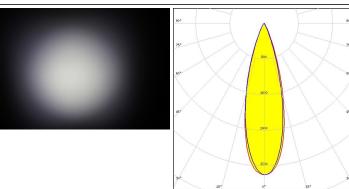




OSRAM

LED OSLON Square CSSRM2/CSSRM3

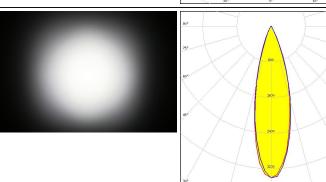
FWHM / FWTM 30.0° / 51.0°
Efficiency 93 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductor

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



SAMSUNG

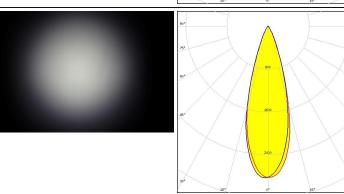
 LED
 LH351B

 FWHM / FWTM
 31.0° / 53.0°

 Efficiency
 94 %

 Peak intensity
 2.8 cd/lm

LEDs/each optic 1
Light colour White
Required components:



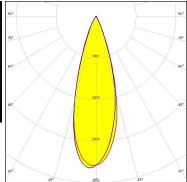
SAMSUNG

LED LH351Z FWHM / FWTM 32.0° / 52.0°

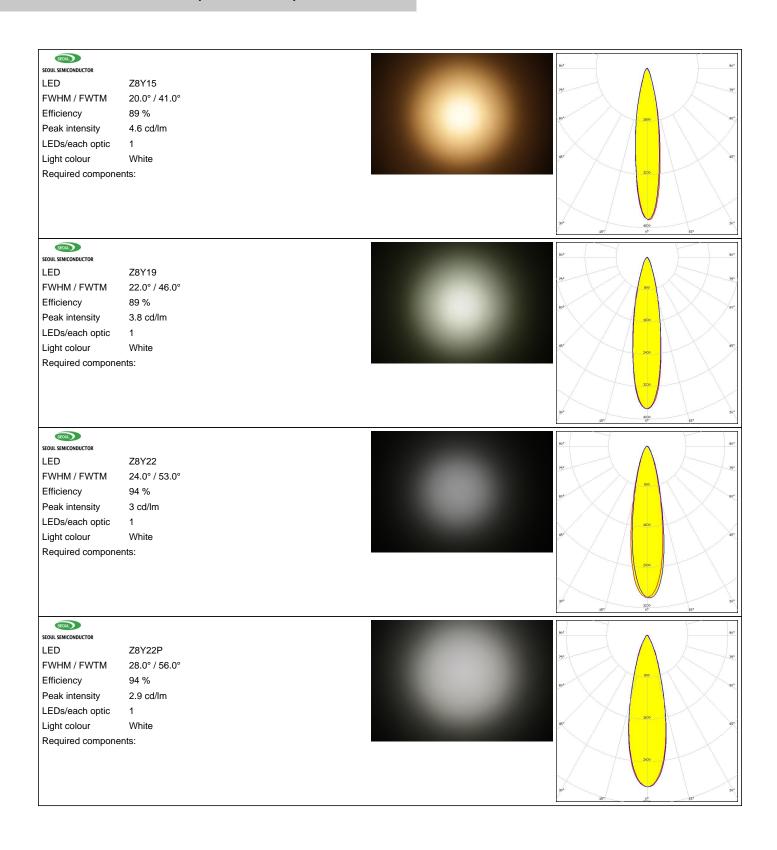
Efficiency 93 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour White

Required components:









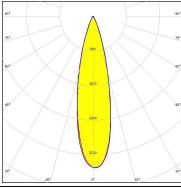


TOSHIBA

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:

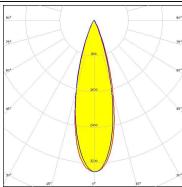




TRIDONIC

LED RLE 2x4 2000lm HP EXC2 OTD

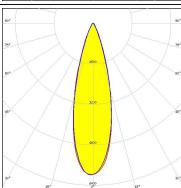
FWHM / FWTM 29.0° / 50.0°
Efficiency 93 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



TRIDONIC

LED RLE G1 49x121mm 2000lm xxx EXC OTD

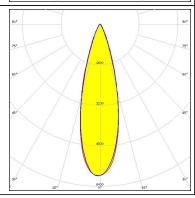
FWHM / FWTM 29.0° / 53.0°
Efficiency 94 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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:

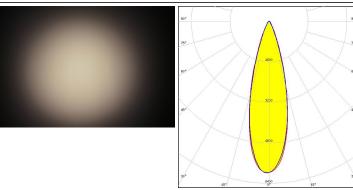




TRIDONIC

LED RLE G1 49x223mm 4000lm xxx EXC OTD

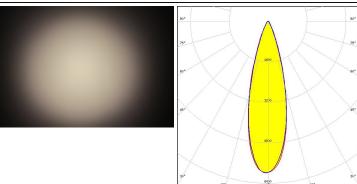
FWHM / FWTM 29.0° / 53.0°
Efficiency 94 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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):

CREE &

LED XD16 FWHM / FWTM 28.0°

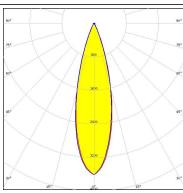
 FWHM / FWTM
 28.0° / 48.0°

 Efficiency
 95 %

 Peak intensity
 3.6 cd/lm

Peak intensity 3.6 cd LEDs/each optic 1 Light colour White

Required components:



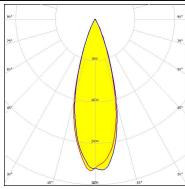
CREE &

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



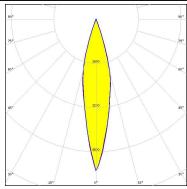
CREE +

LED 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:

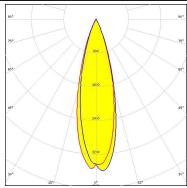


DESCRIPTION LUMILEDS

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):

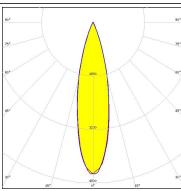


LED LUXEON C $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 25.0° / 45.0°

Efficiency 94 % Peak intensity 4.6 cd/lm

LEDs/each optic Light colour White

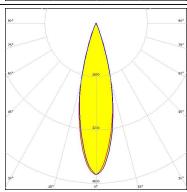
Required components:



OSRAM

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

Required components:



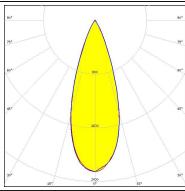
OSRAM Opto Semiconductor

OSLON Square CSSRM2/CSSRM3 LED

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

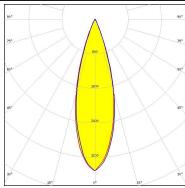


OSRAM

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

LH231B

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$

28.0° / 50.0°

Efficiency

94 %

Peak intensity

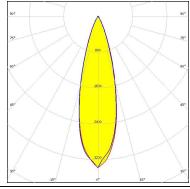
3.4 cd/lm

LEDs/each optic

Light colour

White

Required components:



SEOUL SEOUL SEMICONDUCTOR

LED

Z8Y22T

FWHM / FWTM

28.0° / 51.0°

Efficiency

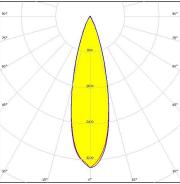
94 %

Peak intensity LEDs/each optic 3.4 cd/lm

Light colour

1 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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