

HB-2X2-M

~25° medium beam optimized for CREE XP-L and XM-L

TECHNICAL SPECIFICATIONS:

Dimensions 50.0 mm

Height 8.5 mm

Fastening pin, screw

Colour clear

Box size 480 x 280 x 300 mm

Box weight 9.2 kg

Quantity in Box 800 pcs

ROHS compliant yes 10

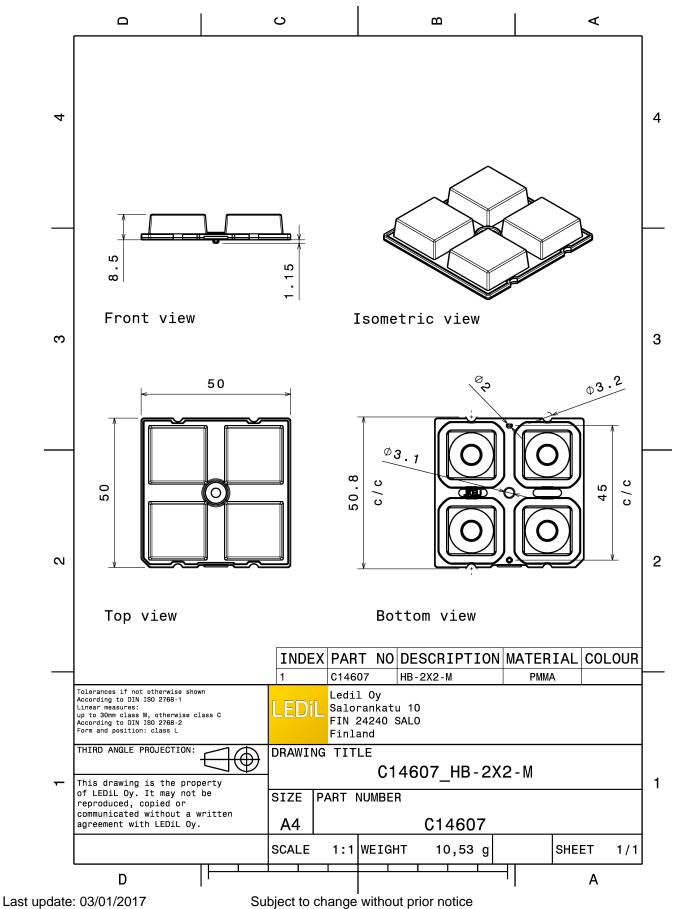


MATERIAL SPECIFICATIONS:

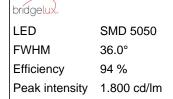
ComponentTypeMaterialColourHB-2X2-MLens arrayPMMAclear



PRODUCT C14607_HB-2X2-M

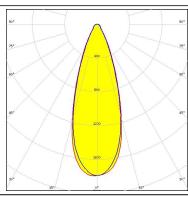


PHOTOMETRIC DATA (MEASURED):



Required components:

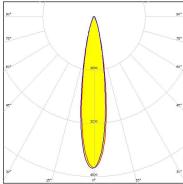




CREE 🕏

LED XD16
FWHM 19.0°
Efficiency 90 %
Peak intensity 4.600 cd/lm
Required components:



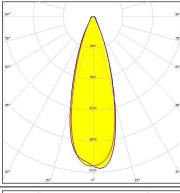


CREE \$

LED XD16 2x2 cluster

FWHM 33.0°
Efficiency 94 %
Peak intensity 2.000 cd/lm
Required components:

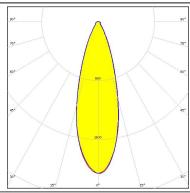




CREE 💠

LED XM-L
FWHM 32.0°
Efficiency 93 %
Peak intensity 2.040 cd/lm
Required components:

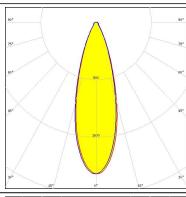




PHOTOMETRIC DATA (MEASURED):

CREE 💠 LED XM-L2 **FWHM** 32.0° Efficiency 92 % Peak intensity 2.112 cd/lm Required components:



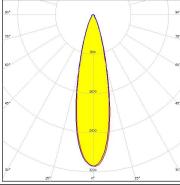


CREE +

LED XP-G2 **FWHM** 25.0° Efficiency 0 %

Peak intensity 3.100 cd/lm Required components:



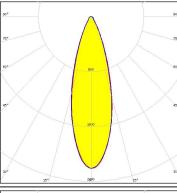


CREE 🚓

LED XP-L **FWHM** 31.0° Efficiency 94 % Peak intensity 2.213 cd/lm

Required components:

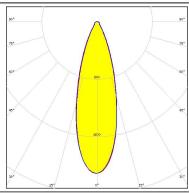




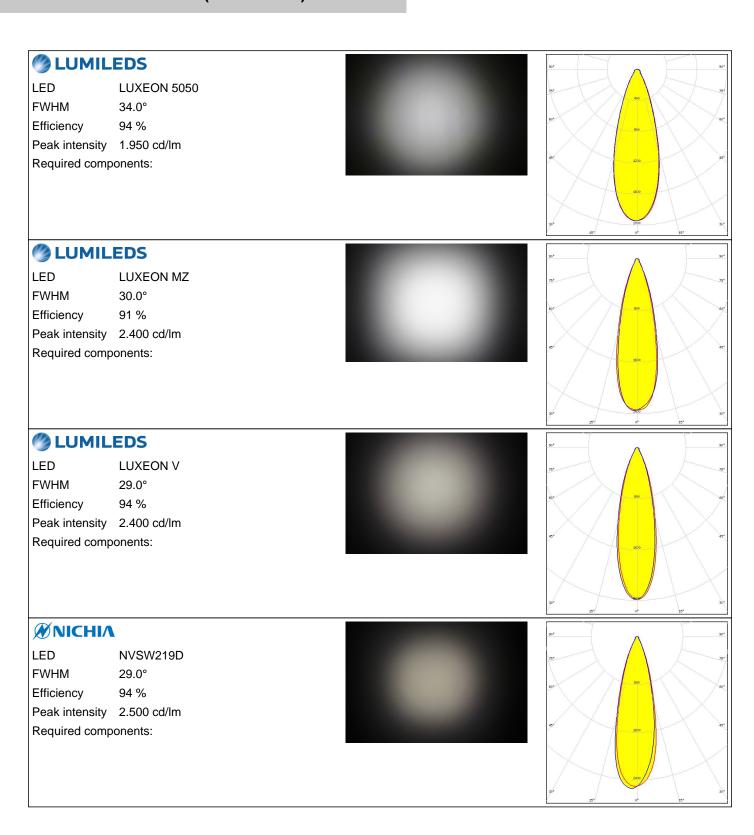
CREE 💠

LED XP-L2 **FWHM** 31.0° Efficiency 93 % Peak intensity 2.100 cd/lm Required components:

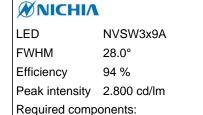


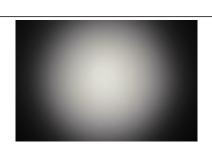


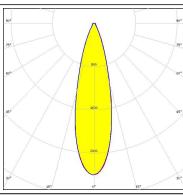
PHOTOMETRIC DATA (MEASURED):



PHOTOMETRIC DATA (MEASURED):



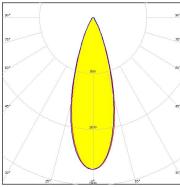




WNICHIA

LED NWSx229A
FWHM 33.0°
Efficiency 87 %
Peak intensity 2.200 cd/lm
Required components:



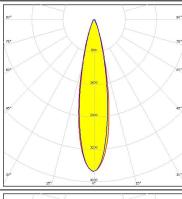


OSRAM

LED PrevaLED Brick DC 2x8

FWHM 23.0°
Efficiency 91 %
Peak intensity 3.750 cd/lm
Required components:



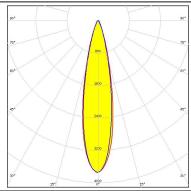


OSRAM Opto Semiconductors

LED Oslon Square Gen3

FWHM 23.0°
Efficiency 91 %
Peak intensity 3.750 cd/lm
Required components:





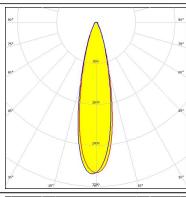
PHOTOMETRIC DATA (MEASURED):

PHILIPS

LED Fortimo FastFlex LED board 2x8 DA G4

FWHM 25.0°
Efficiency 92 %
Peak intensity 3.000 cd/lm
Required components:

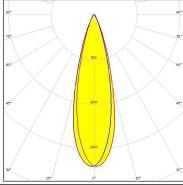




SAMSUNG

LED LH351B FWHM 28.0° Efficiency 85 %

Peak intensity 2.720 cd/lm Required components:



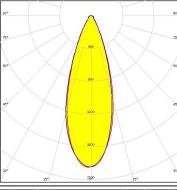
SAMSUNG

LED LH351D FWHM 35.0° Efficiency 91 %

Peak intensity 1.900 cd/lm

Required components:



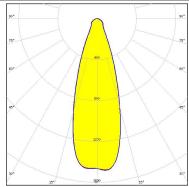




LED SMJQ-D48W16AA-XX

FWHM 34.0°
Efficiency 93 %
Peak intensity 1.500 cd/lm
Required components:





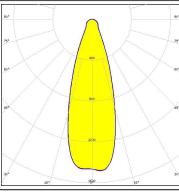
PHOTOMETRIC DATA (MEASURED):



LED Z8Y19 2x2 cluster

FWHM 34.0°
Efficiency 93 %
Peak intensity 1.500 cd/lm
Required components:



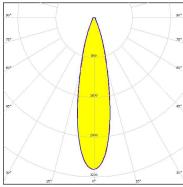


SEOUL SEMICONDUCTOR

LED Z8Y22P
FWHM 25.0°
Efficiency 92 %
Peak intensity 3.100 cd/lm

Required components:

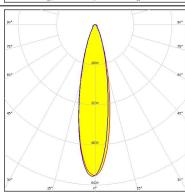




TRIDONIC

LED RLE G1 49x121mm 2000lm xxx EXC OTD

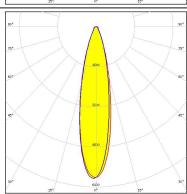
FWHM 24.0°
Efficiency 94 %
Peak intensity 3.000 cd/lm
Required components:



TRIDONIC

LED RLE G1 49x133mm 2000lm xxx EXC OTD

FWHM 24.0°
Efficiency 94 %
Peak intensity 3.000 cd/lm
Required components:



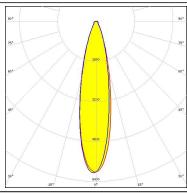
PHOTOMETRIC DATA (MEASURED):

TRIDONIC

LED RLE G1 49x223mm 4000lm xxx EXC OTD

FWHM 24.0°
Efficiency 94 %
Peak intensity 3.000 cd/lm
Required components:



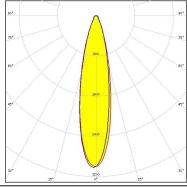


TRIDONIC

LED RLE G1 49x245mm 4000lm xxx EXC OTD

FWHM 24.0°
Efficiency 94 %
Peak intensity 3.000 cd/lm
Required components:



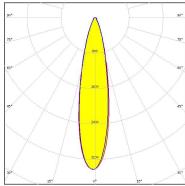


TRIDONIC

LED RLE G2 HP 2x8 4000lm

FWHM 23.0°
Efficiency 94 %
Peak intensity 3.400 cd/lm
Required components:





PHOTOMETRIC DATA (SIMULATED):

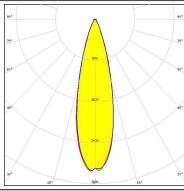


LED XP-G3

28.0° **FWHM** Efficiency 92 %

Peak intensity 3.000 cd/lm

Required components:



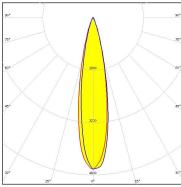
MUMILEDS

LED LUXEON 3030 2D (Round LES)

FWHM 21.0° Efficiency 91 %

4.700 cd/lm Peak intensity

Required components:

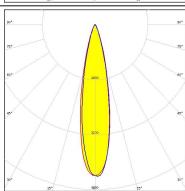


MUMILEDS

LED **LUXEON 3535 2D**

FWHM 22.0° Efficiency 92 % Peak intensity 4.500 cd/lm

Required components:

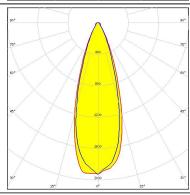


OSRAM Opto Semiconductors

LED

Duris S8 **FWHM** 33.0° 88 % Efficiency Peak intensity 2.000 cd/lm

Required components:





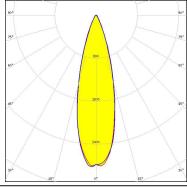
PHOTOMETRIC DATA (SIMULATED):

OSRAM Opto Semiconductors

LED OSCONIQ P 3737 (3W version)

FWHM 29.0° Efficiency 93 % Peak intensity 2.840 cd/lm

Required components:

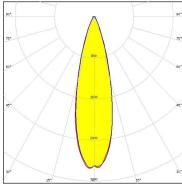


PHILIPS

LED Fortimo FastFlex LED board 2x8 DAX G4

FWHM 28.0°
Efficiency 92 %
Peak intensity 3.000 cd/lm

Required components:





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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