

HB-2X2-O

~20° + 115° oval beam for aisle lighting

TECHNICAL SPECIFICATIONS:

Dimensions 50.0 mm Height 10.6 mm

Fastening glue, screw, pin

Colour clear

Box size 480 x 280 x 300 mm

Box weight 10.4 kg

Quantity in Box 800 pcs

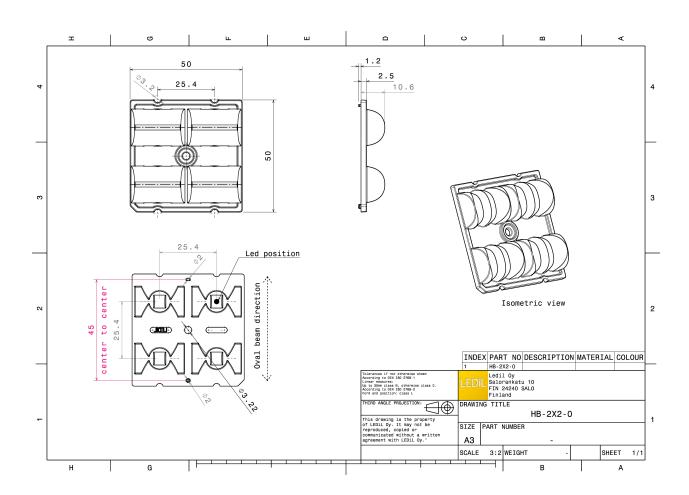
ROHS compliant yes 1



MATERIAL SPECIFICATIONS:

ComponentTypeMaterialColourHB-2X2-OLensPMMAclear





PHOTOMETRIC DATA (MEASURED):

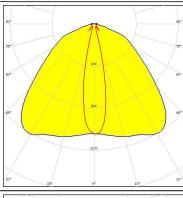
CONET

LED QUICK FLUX XTP 2x6 xxx LS G5

FWHM 22.0 + 111.0°

Efficiency 94 %
Peak intensity 1.200 cd/lm
Required components:





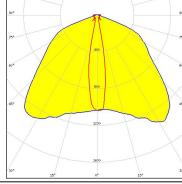
CREE 🕏

LED XD16

FWHM 19.0 + 127.0°

Efficiency 93 %
Peak intensity 1.400 cd/lm
Required components:



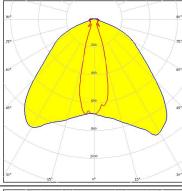


CREE \$

LED XD16 2x2 cluster FWHM 29.0 + 116.0°

Efficiency 94 %
Peak intensity 0.950 cd/lm
Required components:



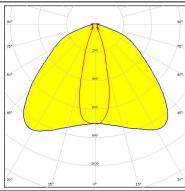


CREE 💠

LED XHP35 HD FWHM 29.0 + 117.0°

Efficiency 94 %
Peak intensity 0.870 cd/lm
Required components:





PHOTOMETRIC DATA (MEASURED):

CREE \$

FWHM

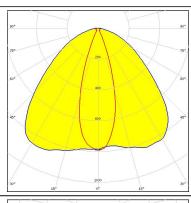
LED XM-L

29.0 + 109.0°

Efficiency 94 %
Peak intensity 0.980 cd/lm

Required components:





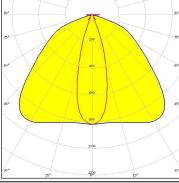
CREE 🚓

LED XM-L2

FWHM 30.0 + 106.0°

Efficiency 94 %
Peak intensity 1.000 cd/lm
Required components:





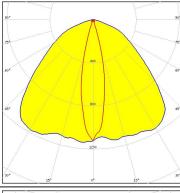
CREE 💠

LED XP-G

FWHM 26.0 + 115.0°

Efficiency 94 %
Peak intensity 1.130 cd/lm
Required components:





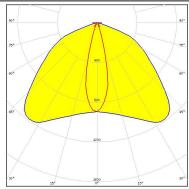
CREE 💠

LED XP-G2

FWHM 27.0 + 112.0°

Efficiency 94 %
Peak intensity 1.200 cd/lm
Required components:





PHOTOMETRIC DATA (MEASURED):

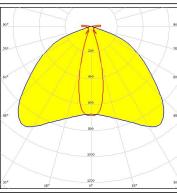
CREE \$

LED XP-L

FWHM 29.0 + 117.0°

Efficiency 94 %
Peak intensity 0.890 cd/lm
Required components:





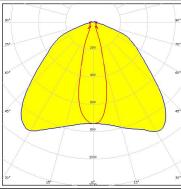
CREE 🚓

LED XP-L2

FWHM 28.0 + 117.0°

Efficiency 94 %
Peak intensity 0.930 cd/lm
Required components:





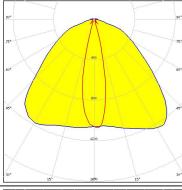
LG Innotek

LED H35C1 (LEMWA33)

FWHM 23.0 + 110.0°

Efficiency 94 %
Peak intensity 1.200 cd/lm
Required components:





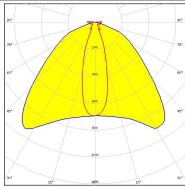
DESCRIPTION LUMILEDS

LED LUXEON 5050 FWHM 29.0 + 114.0°

Efficiency 94 %
Peak intensity 0.940 cd/lm

Required components:





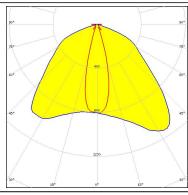
PHOTOMETRIC DATA (MEASURED):

MUMILEDS

LED LUXEON MZ FWHM 28.0 + 103.0°

Efficiency 94 %
Peak intensity 1.100 cd/lm
Required components:





MUMILEDS

LED LUXEON R FWHM 25.0 + 105.0°

Efficiency 94 %
Peak intensity 1.240 cd/lm
Required components:

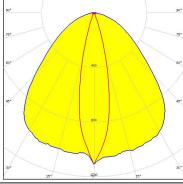


MUMILEDS

LED LUXEON Rebel ES FWHM 25.0 + 106.0°

Efficiency 94 %
Peak intensity 1.200 cd/lm





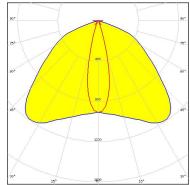
DESCRIPTION LUMILEDS

Required components:

LED LUXEON T FWHM 26.0 + 110.0°

Efficiency 94 %
Peak intensity 1.200 cd/lm
Required components:



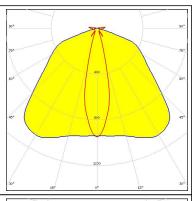


PHOTOMETRIC DATA (MEASURED):



Efficiency 94 %
Peak intensity 1.080 cd/lm
Required components:



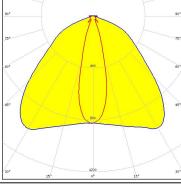


MUMILEDS

LED LUXEON V FWHM 26.0 + 108.0°

Efficiency 94 %
Peak intensity 1.000 cd/lm
Required components:



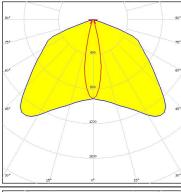


WNICHIA

LED NCSxx19B FWHM 23.0 + 113.0°

Efficiency 94 %
Peak intensity 1.400 cd/lm
Required components:



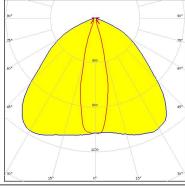


WNICHIA

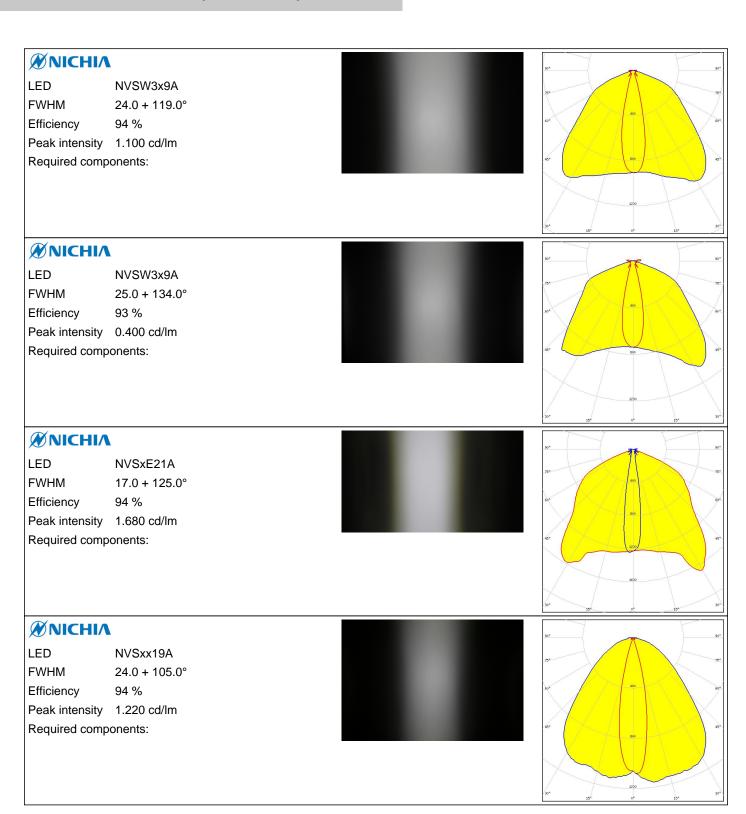
LED NVSW219D FWHM 25.0 + 107.0°

Efficiency 94 %
Peak intensity 1.200 cd/lm
Required components:





PHOTOMETRIC DATA (MEASURED):



PHOTOMETRIC DATA (MEASURED):

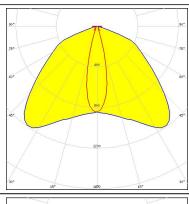
WNICHIA

LED NVSxx19B/NVSxx19C

FWHM 26.0 + 108.0°

Efficiency 94 %
Peak intensity 1.200 cd/lm
Required components:



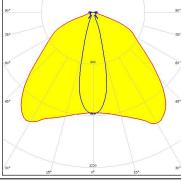


WNICHIA

LED NWSx229A FWHM 27.0 + 118.0°

Efficiency 94 %
Peak intensity 1.000 cd/lm
Required components:





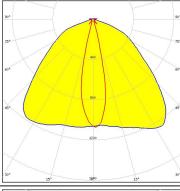
OSRAM

LED PrevaLED Brick DC 2x8

FWHM 23.0 + 111.0°

Efficiency 94 %
Peak intensity 1.300 cd/lm
Required components:





OSRAM Opto Semiconductors

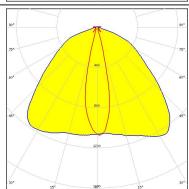
Opto Semiconducto

Oslon Square Gen3

FWHM 23.0 + 111.0°

Efficiency 94 %
Peak intensity 1.300 cd/lm
Required components:





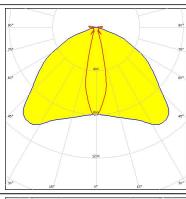
PHOTOMETRIC DATA (MEASURED):

OSRAM Opto Semiconductors

LED Oslon Square PC FWHM 25.0 + 124.0°

Efficiency 91 %
Peak intensity 1.070 cd/lm
Required components:





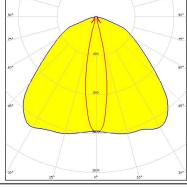
PHILIPS

LED Fortimo FastFlex LED board 2x8 DA G4

FWHM 21.0 + 108.0°

Efficiency 94 %
Peak intensity 1.300 cd/lm
Required components:





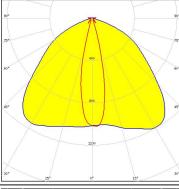
SAMSUNG

LED LH351B

FWHM 23.0 + 113.0° Efficiency 94 %

Peak intensity 1.210 cd/lm Required components:



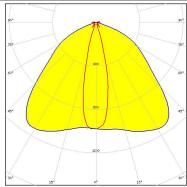


SAMSUNG

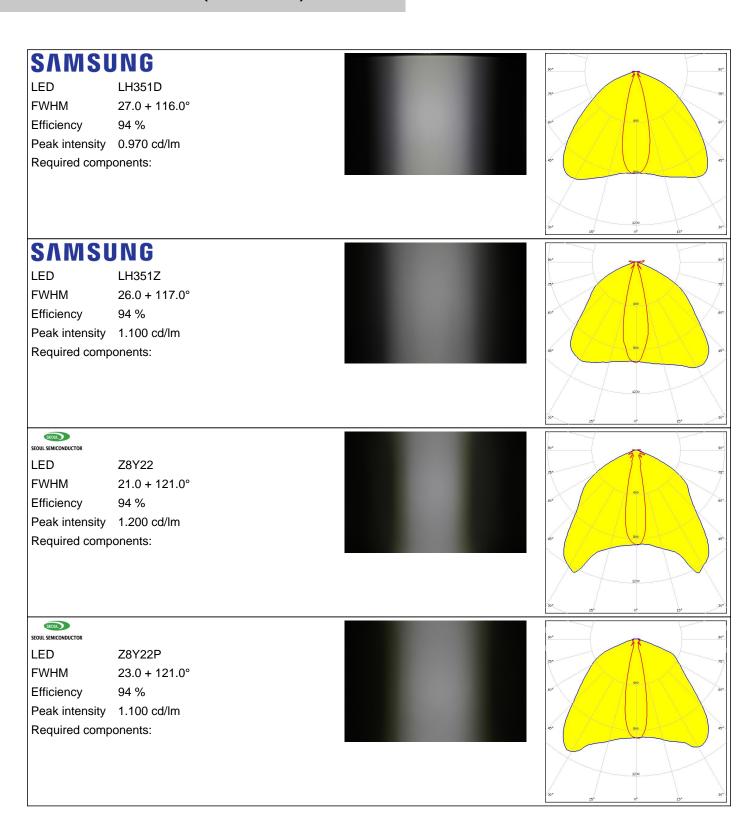
LED LH351C FWHM 24.0 + 111.0°

Efficiency 94 %
Peak intensity 1.100 cd/lm
Required components:





PHOTOMETRIC DATA (MEASURED):



PHOTOMETRIC DATA (MEASURED):

TOSHIBA

Leading Innovation

LED TL1L4

FWHM 24.0 + 119.0°

Efficiency 89 %
Peak intensity 1.100 cd/lm

Required components:

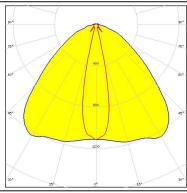


TRIDONIC

LED RLE G1 49x121mm 2000lm xxx EXC OTD

FWHM 23.0 + 104.0°

Efficiency 94 %
Peak intensity 1.300 cd/lm
Required components:

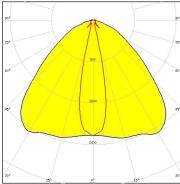


TRIDONIC

LED RLE G1 49x133mm 2000lm xxx EXC OTD

FWHM 23.0 + 104.0°

Efficiency 94 %
Peak intensity 1.300 cd/lm
Required components:



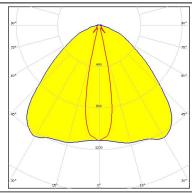
TRIDONIC

LED RLE G1 49x223mm 4000lm xxx EXC OTD

FWHM 23.0 + 104.0°

Efficiency 94 %
Peak intensity 1.300 cd/lm
Required components:







PHOTOMETRIC DATA (MEASURED):

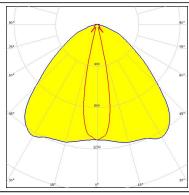
TRIDONIC

LED RLE G1 49x245mm 4000lm xxx EXC OTD

FWHM 23.0 + 104.0°

Efficiency 94 %
Peak intensity 1.300 cd/lm
Required components:





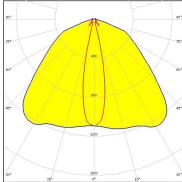
TRIDONIC

LED RLE G2 HP 2x8 4000lm

FWHM 22.0 + 113.0°

Efficiency 94 %
Peak intensity 1.300 cd/lm
Required components:





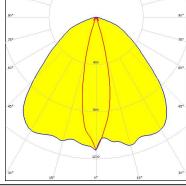
PHOTOMETRIC DATA (SIMULATED):

CREE 💠

LED XHP35 HI FWHM 101.0 + 27.0°

Efficiency 94 %
Peak intensity 1.200 cd/lm

Required components:

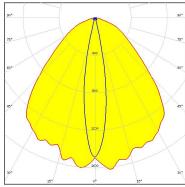


CREE 🚓

LED XP-E2 FWHM 93.0 + 18.0°

Efficiency 94 %
Peak intensity 1.630 cd/lm

Required components:



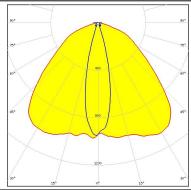
CREE 🚓

LED XP-G3

FWHM 103.0 + 29.0°

Efficiency 94 %
Peak intensity 1.100 cd/lm

Required components:



CREE \$

LED XQ-E HI FWHM 96.0 + 14.0°

Efficiency %
Peak intensity cd/Im
Required components:

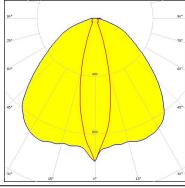
PHOTOMETRIC DATA (SIMULATED):

CREE 💠

LED XT-E HE

FWHM 100.0 + 24.0°

Efficiency 94 %
Peak intensity cd/lm
Required components:



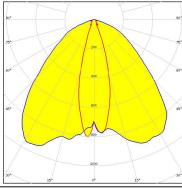
OSRAM Opto Semiconductors

LED Duris S8 FWHM 95.0 + 25.0°

Efficiency 93 %

Peak intensity 0.950 cd/lm

Required components:



OSRAM Opto Semicond

Opto Semicondu

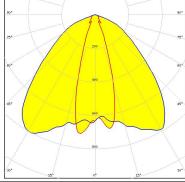
LED Duris S8 FWHM 31.0 + 96.0°

Efficiency 87 %

Peak intensity 0.805 cd/lm

Required components:

Undefined Manufacturer: Protective Plate, Glass



OSRAM Opto Semiconductors

Opto Semicondu

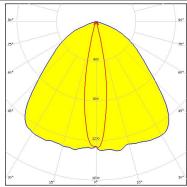
LED OSCONIQ P 3737 (2W version)

FWHM 99.0 + 19.0°

Efficiency 94 %

Peak intensity 1.300 cd/lm

Required components:



PHOTOMETRIC DATA (SIMULATED):

OSRAM Opto Semiconductore

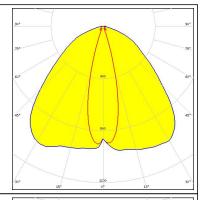
LED OSCONIQ P 3737 (3W version)

FWHM 100.0 + 30.0°

Efficiency 94 %

Peak intensity 1.030 cd/lm

Required components:



PHILIPS

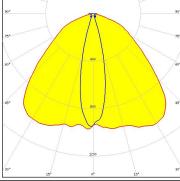
LED Fortimo FastFlex LED board 2x8 DAX G4

FWHM 103.0 + 29.0°

Efficiency 94 %

Peak intensity 1.100 cd/lm

Required components:



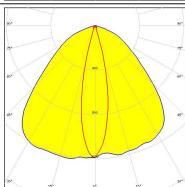


LED Z5M1/Z5M2 FWHM 22.0 + 97.0°

Efficiency 94 %

Peak intensity 1.200 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:

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.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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