

HB-2X2-WW

 $\sim\!65^\circ$ wide beam optimized for CREE XP-L and XM-L

TECHNICAL SPECIFICATIONS:

Dimensions 50.0 mm

Height 8.5 mm

Fastening pin, screw

ROHS compliant yes 1



Component Type Material Colour Finish

HB-2X2-WW Multi-lens PMMA clear

ORDERING INFORMATION:

Component

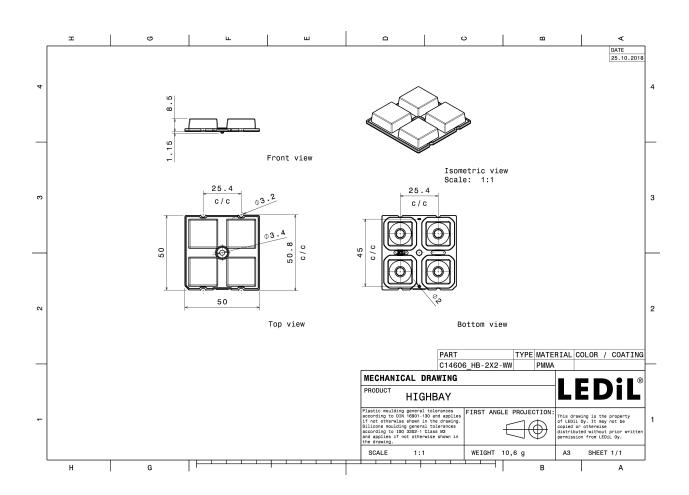
C14606_HB-2X2-WW

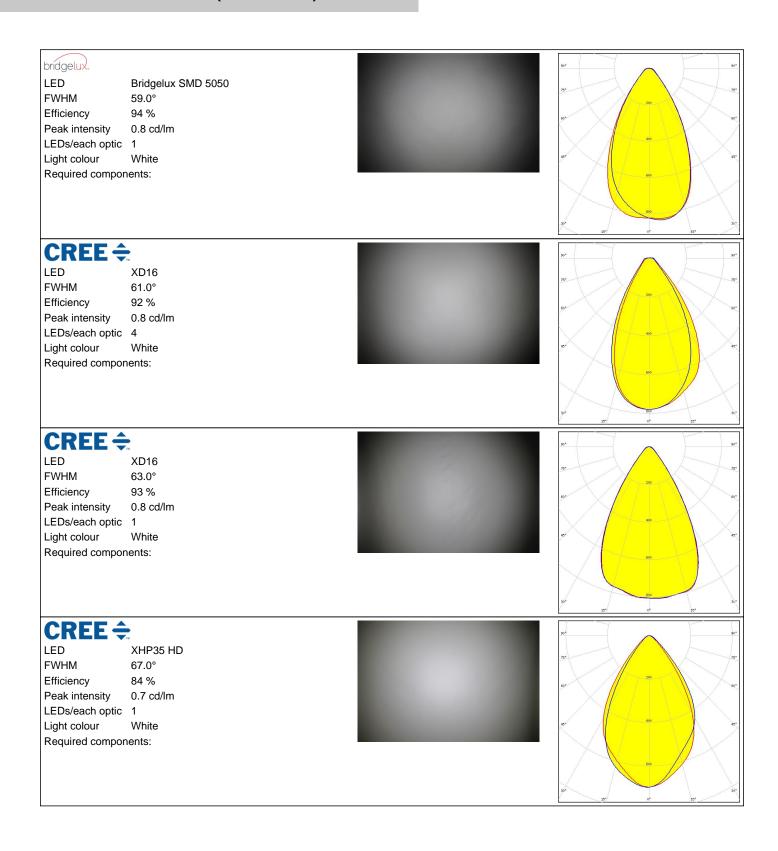
» Box size: 480 x 280 x 300 mm

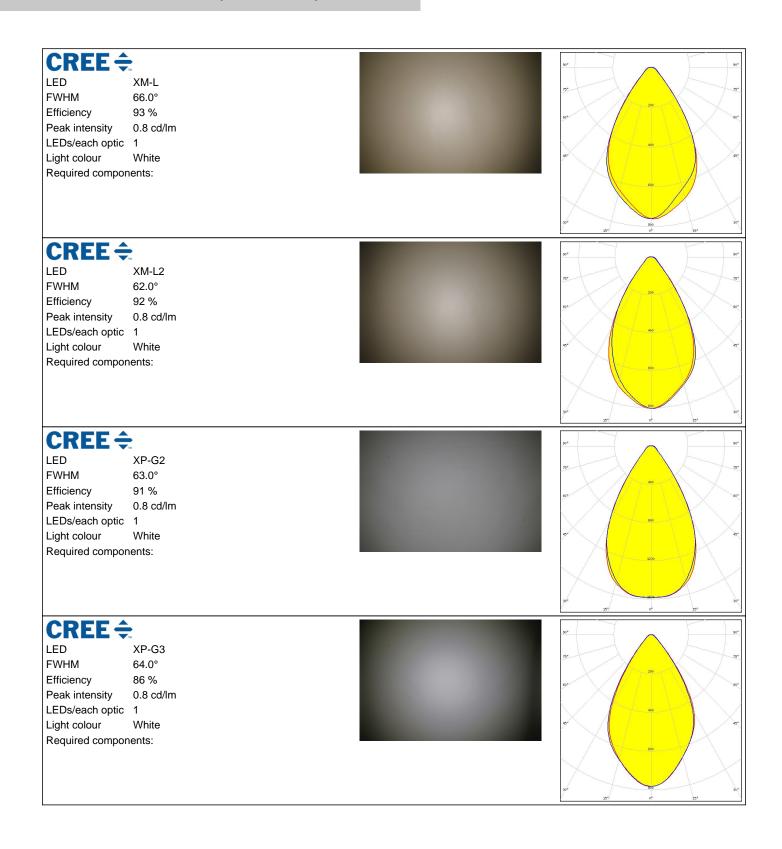
Qty in box MOQ MPQ Box weight (kg) 800 160 160 9.2

LEDil®

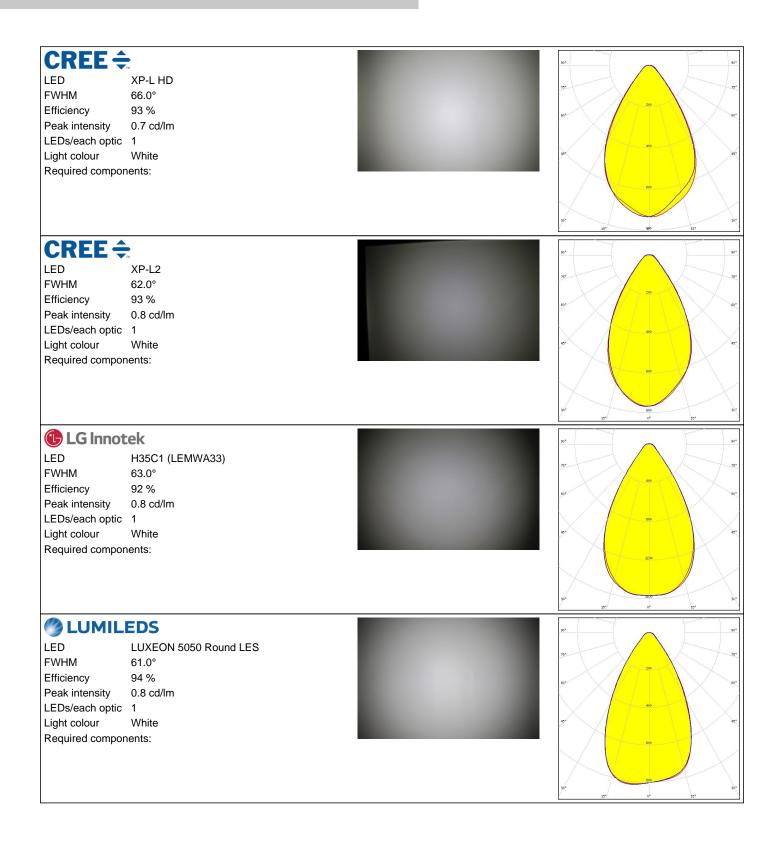




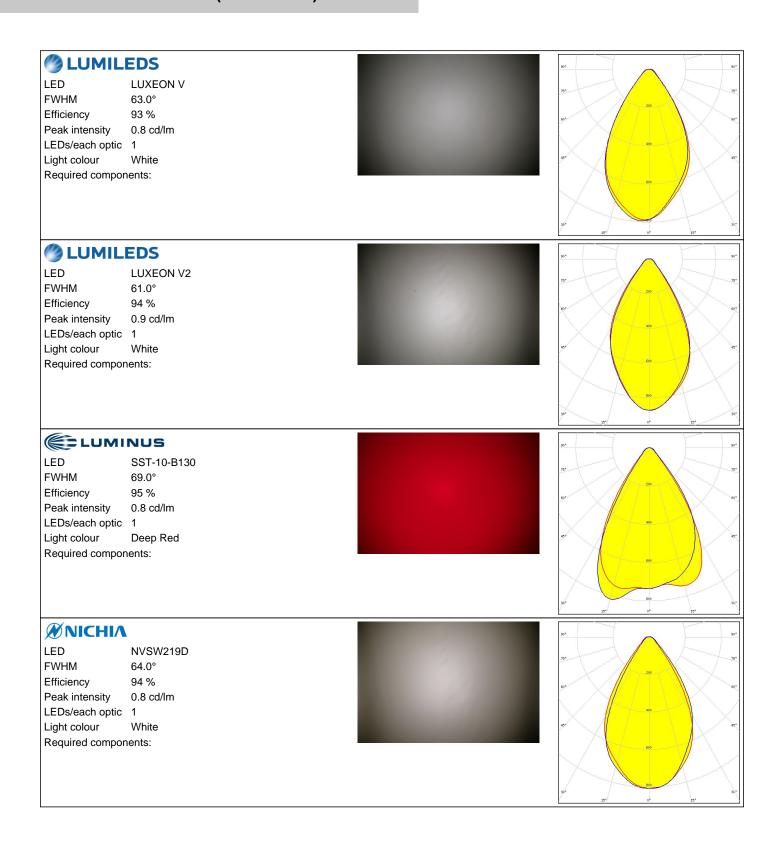


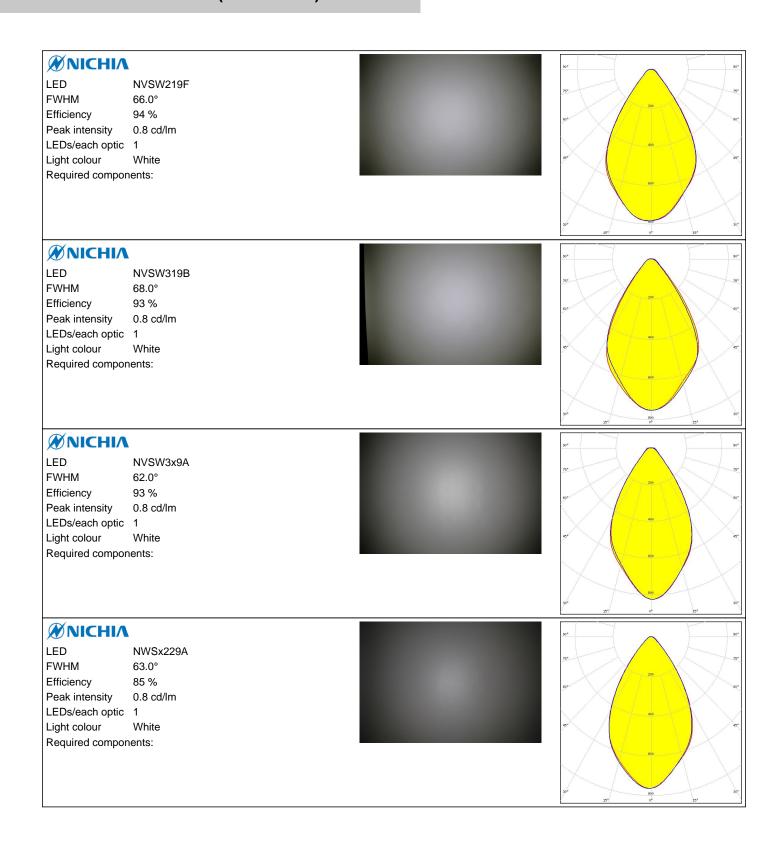


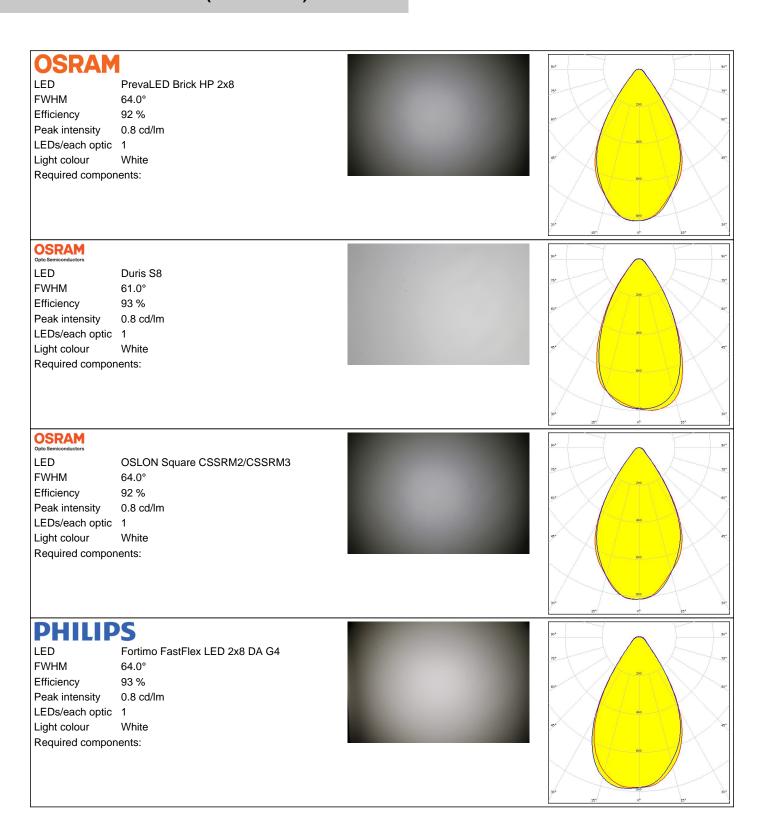






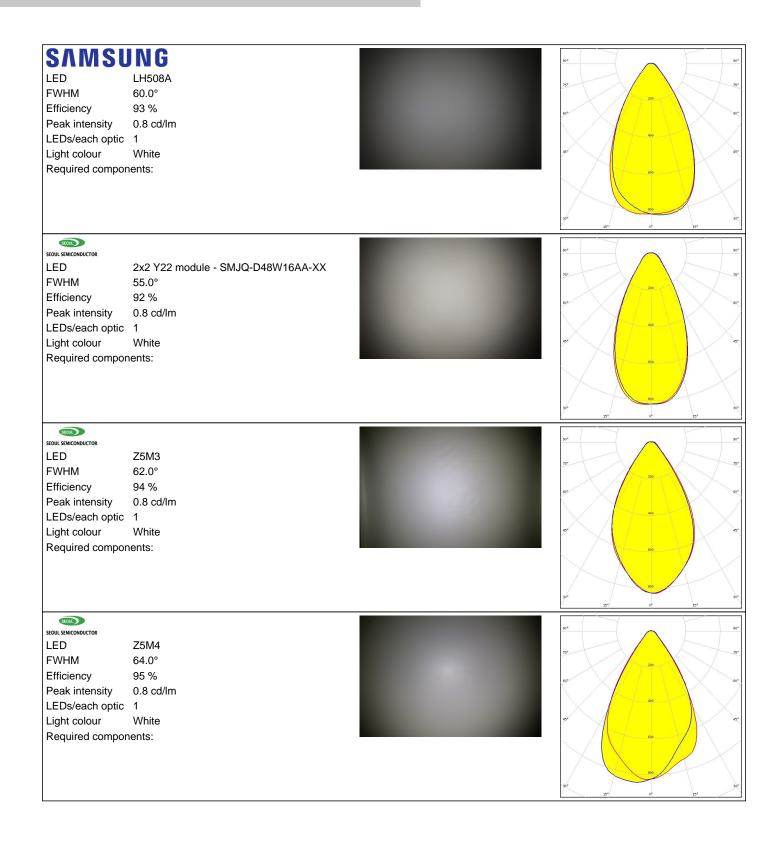




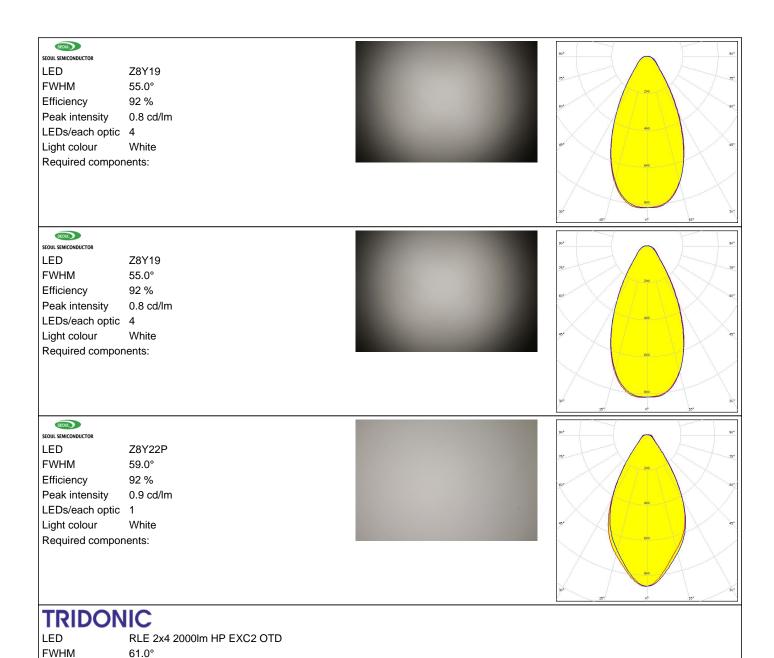


PHOTOMETRIC DATA (MEASURED):

SAMSUNG LED HiLOM RH16 (LH351C) **FWHM** 61.0° Efficiency 94 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White Required components: LED LH351B **FWHM** 62.0° 86 % Efficiency Peak intensity 0.8 cd/lm LEDs/each optic 1 White Light colour Required components: SAMSUNG LED LH351C **FWHM** 62.0° Efficiency 93 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White Required components: SAMSUNG LED LH351D **FWHM** 62.0° Efficiency 91 % Peak intensity 0.8 cd/lm LEDs/each optic 1 White Light colour Required components:



PHOTOMETRIC DATA (MEASURED):



Required components:

LEDs/each optic 1

Efficiency

Peak intensity

Light colour

61.0°

94 %

White

0.9 cd/lm

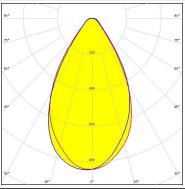
PHOTOMETRIC DATA (MEASURED):

TRIDONIC

LED RLE 2x8 4000lm HP EXC2 OTD

FWHM 61.0°
Efficiency 94 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

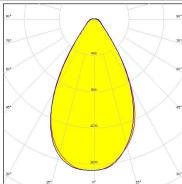




TRIDONIC

LED RLE G1 49x121mm 2000lm xxx EXC OTD

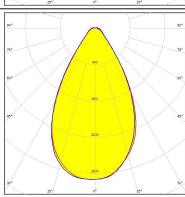
FWHM 61.0°
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



TRIDONIC

LED RLE G1 49x133mm 2000lm xxx EXC OTD

FWHM 61.0°
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

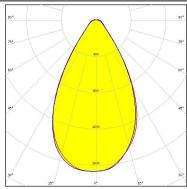


TRIDONIC

LED RLE G1 49x223mm 4000lm xxx EXC OTD

FWHM 61.0°
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:







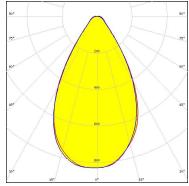
PHOTOMETRIC DATA (MEASURED):

TRIDONIC

LED RLE G1 49x245mm 4000lm xxx EXC OTD

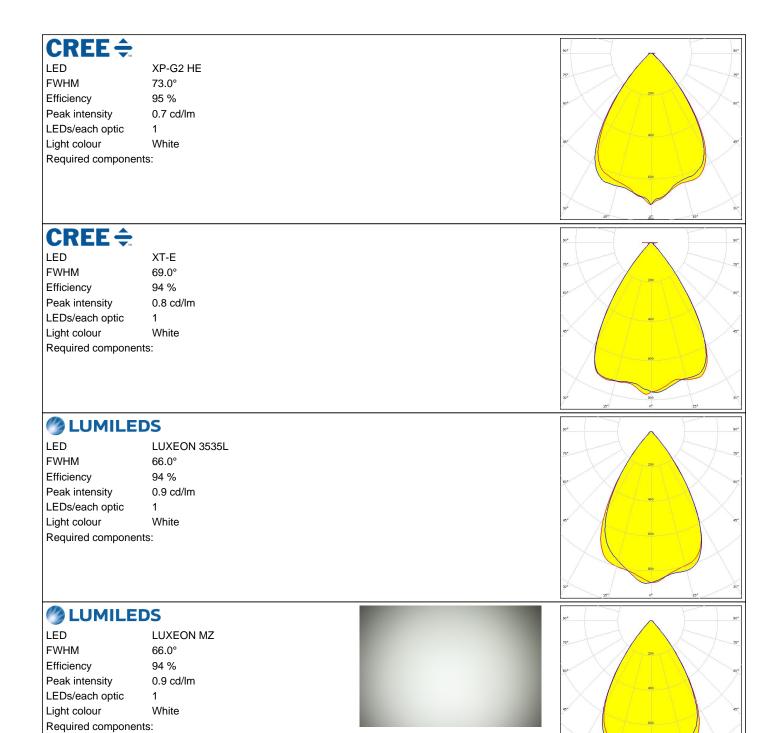
FWHM 61.0°
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:







PHOTOMETRIC DATA (SIMULATED):

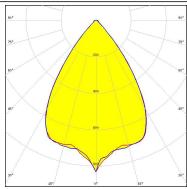


PHOTOMETRIC DATA (SIMULATED):

WNICHIA

LED NV4WB35AM

FWHM 69.0° Efficiency 95 % Peak intensity 0.8 cd/lm LEDs/each optic Light colour White

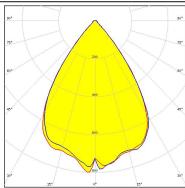


WNICHIA

Required components:

LED NVSxx19B/NVSxx19C

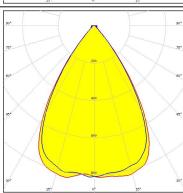
FWHM 70.0° 95 % Efficiency Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White Required components:



OSRAM Opto Semiconductors

LED OSCONIQ P 3030

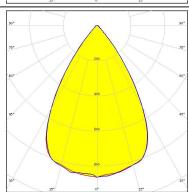
FWHM 66.0° Efficiency 96 % Peak intensity 0.8 cd/lm LEDs/each optic Light colour White Required components:



OSRAM Opto Semiconductors

LED OSCONIQ P 3737 (2W version)

FWHM 66.0° Efficiency 96 % 0.9 cd/lm Peak intensity LEDs/each optic White Light colour Required components:



PHOTOMETRIC DATA (SIMULATED):

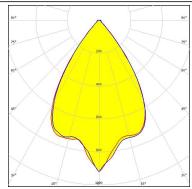
OSRAM

LED

OSCONIQ P 3737 (3W version)

FWHM 66.0° 94 % Efficiency Peak intensity 0.9 cd/lm LEDs/each optic Light colour White

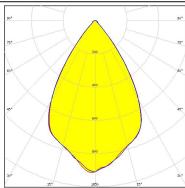
Required components:



OSRAM Opto Semiconductors

LED OSCONIQ P 3737 Flat

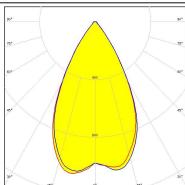
FWHM 64.0° 95 % Efficiency Peak intensity 0.9 cd/lm LEDs/each optic 1 White Light colour Required components:



OSRAM Opto Semiconductors

LED OSLON SSL 80

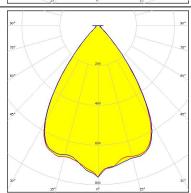
FWHM 55.6° Efficiency 94 % Peak intensity 1.1 cd/lm LEDs/each optic Light colour White Required components:



PHILIPS

LED Fortimo FastFlex LED 2x8 DAX G4

FWHM Efficiency 94 % Peak intensity 0.8 cd/lm LEDs/each optic White Light colour Required components:



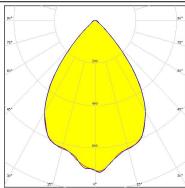
PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

LED LH231B
FWHM 60.0°
Efficiency 94 %
Peak intensity 1 cd/lm
LEDs/each optic 4
Light colour White
Required components:

SAMSUNG

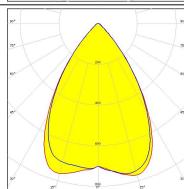
LED LH351D
FWHM 74.0°
Efficiency 95 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SEOUL SEMICONDUCTO

LED SEOUL DC 5050 6V

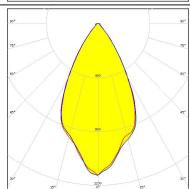
FWHM 64.0°
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:





LED Z8Y22T
FWHM 55.0°
Efficiency 94 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White

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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LEDIL Oy

Joensuunkatu 13 FI-24240 SALO Finland

LEDiL Inc.

228 West Page Street Suite D Sycamore IL 60178 USA

Local sales and technical support

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