

HB-2X2-O

~20° + 115° oval beam for aisle lighting

TECHNICAL SPECIFICATIONS:

Dimensions 50.0 mm Height 10.6 mm

Fastening glue, pin, screw

ROHS compliant yes 10

MATERIAL SPECIFICATIONS:

ComponentType
HB-2X2-O
Multi-lens



MaterialColourFinishPMMAclear

ORDERING INFORMATION:

Component

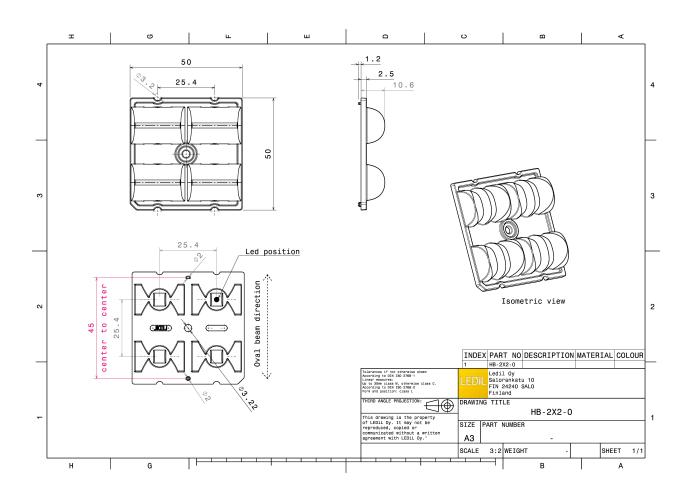
C13749_HB-2X2-O

» Box size: 480 x 280 x 300 mm

Qty in box MOQ MPQ Box weight (kg)

800 160 160 10.4



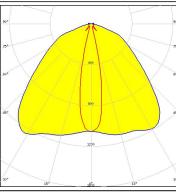


PHOTOMETRIC DATA (MEASURED):



LEDs/each optic 1
Light colour White
Required components:



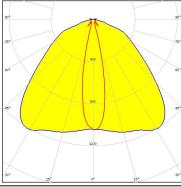


CONET

LED QUICK FLUX XTP 2x6 xxx LS G5

FWHM 22.0 + 111.0°
Efficiency 94 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:

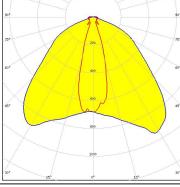




CREE 🕏

LED XD16
FWHM 29.0 + 116.0°
Efficiency 94 %
Peak intensity 1 cd/lm
LEDs/each optic 4
Light colour White
Required components:

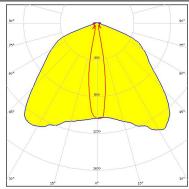


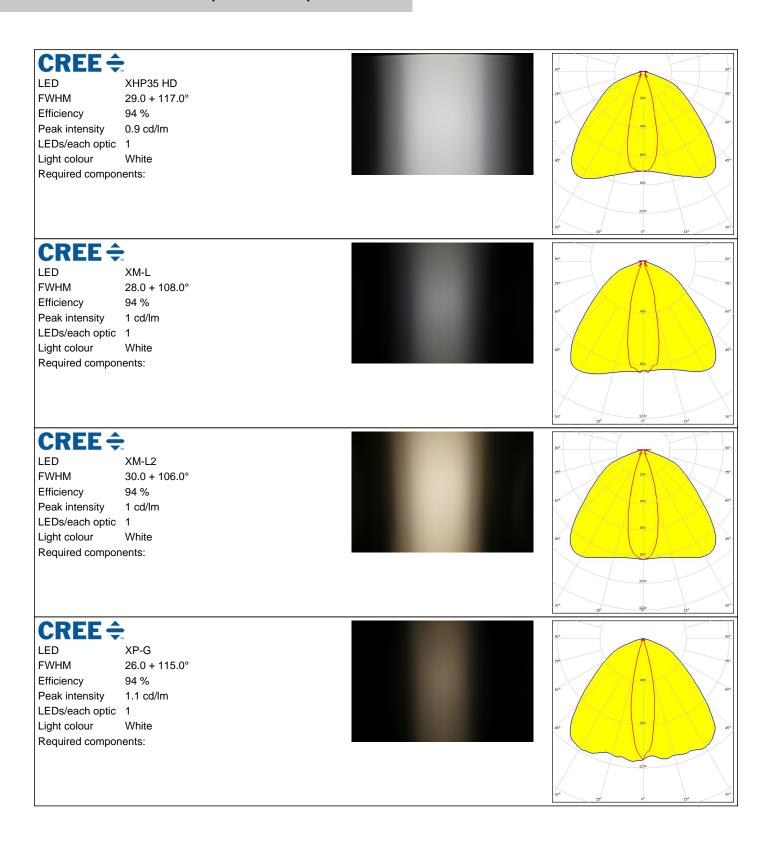


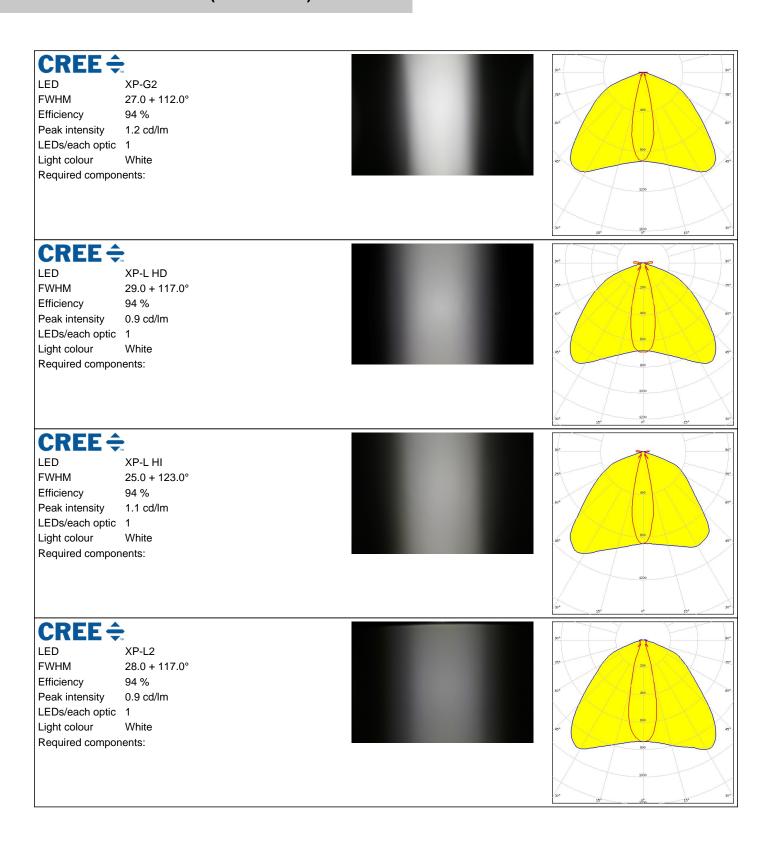
CREE 🕏

LED XD16
FWHM 19.0 + 127.0°
Efficiency 93 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:









PHOTOMETRIC DATA (MEASURED):



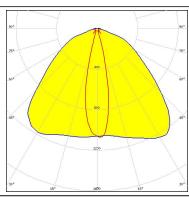
 LED
 H35C1 (LEMWA33)

 FWHM
 23.0 + 110.0°

 Efficiency
 94 %

Peak intensity 1.2 cd/lm LEDs/each optic 1
Light colour White Required components:



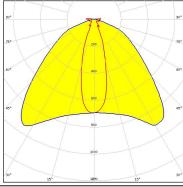


MILEDS

LED LUXEON 5050 Round LES

FWHM 29.0 + 114.0° Efficiency 94 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour White





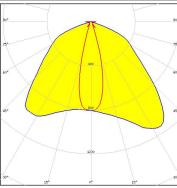
MUMILEDS

Required components:

LED LUXEON MZ
FWHM 28.0 + 103.0°
Efficiency 94 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1

LEDs/each optic 1
Light colour White
Required components:





DESCRIPTION LUMILEDS

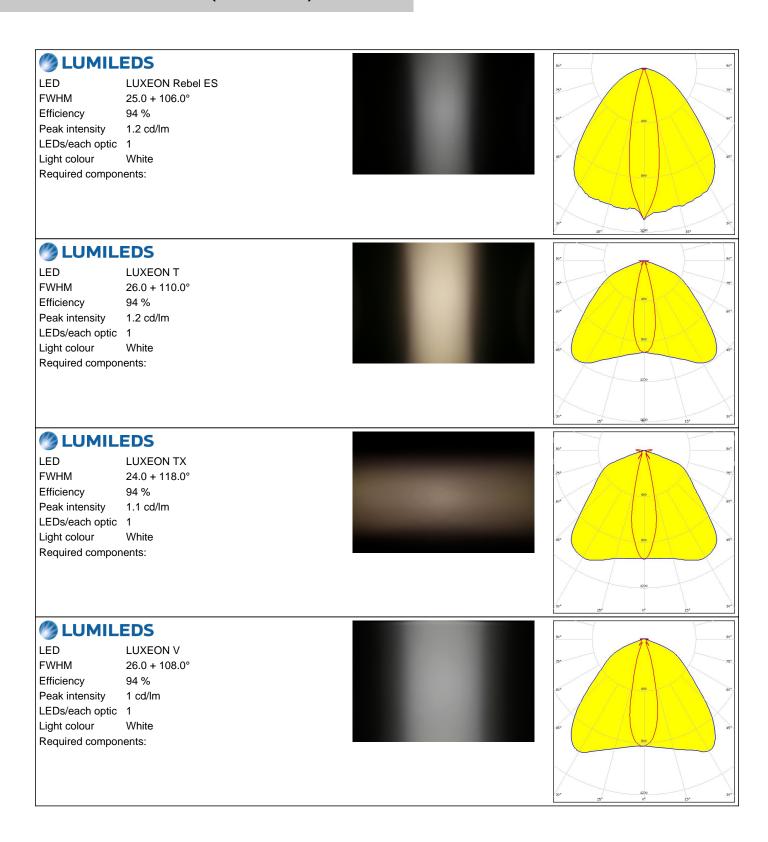
 LED
 LUXEON R

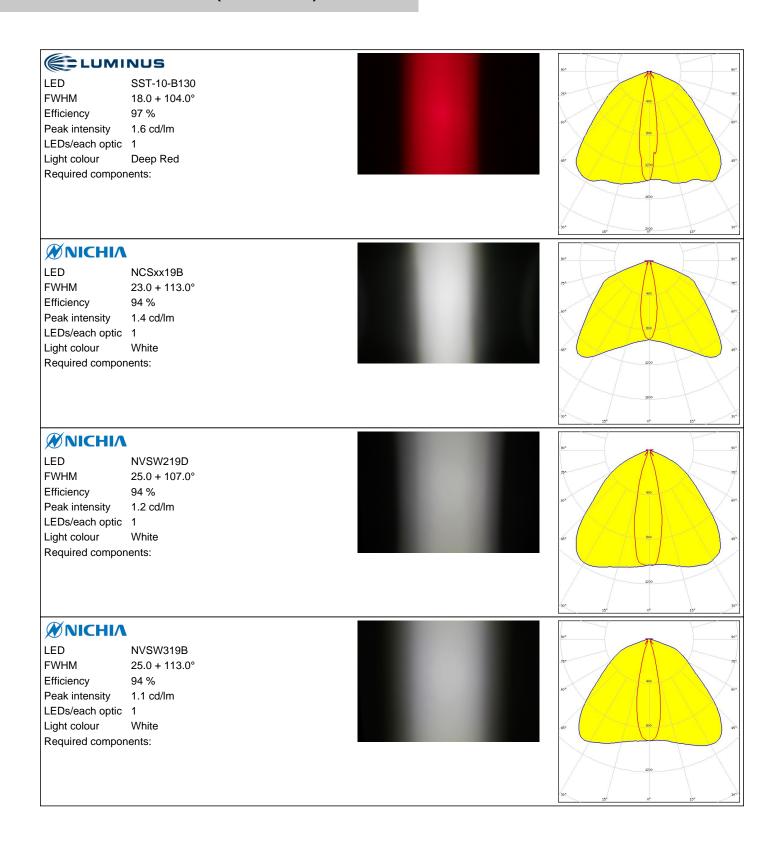
 FWHM
 25.0 + 105.0°

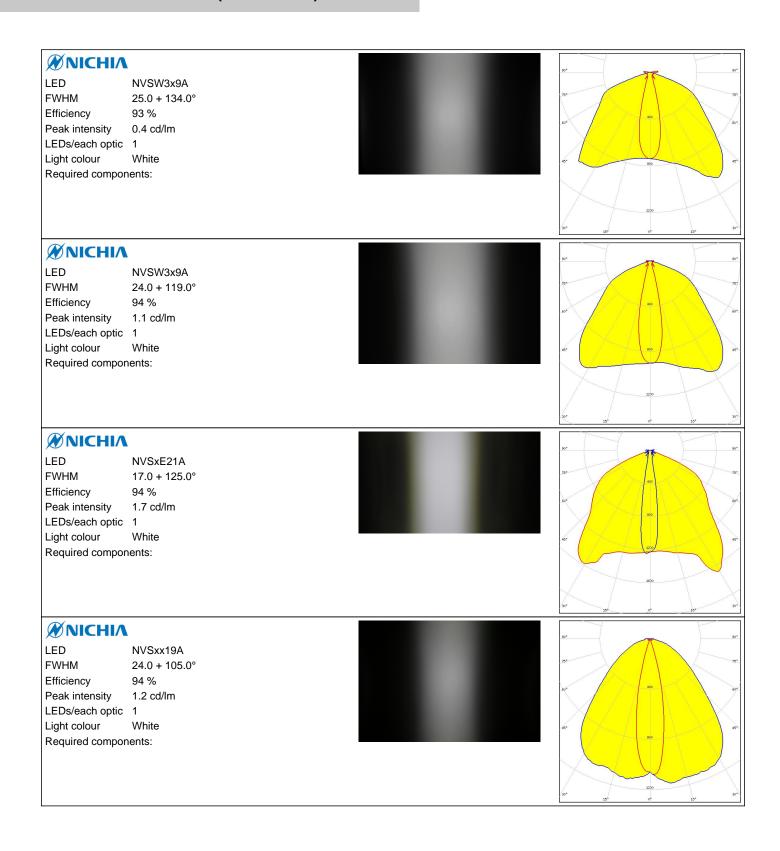
 Efficiency
 94 %

Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour White Required components:









PHOTOMETRIC DATA (MEASURED):

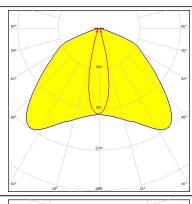
WNICHIA

LED NVSxx19B/NVSxx19C

FWHM 26.0 + 108.0° Efficiency 94 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour White

Required components:



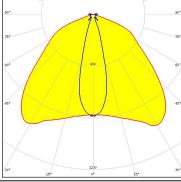


WNICHIA

LED NWSx229A **FWHM** 27.0 + 118.0° 94 % Efficiency Peak intensity 1 cd/lm

LEDs/each optic 1 White Light colour Required components:

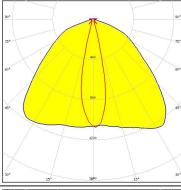




LED PrevaLED Brick HP 2x8

FWHM 23.0 + 111.0° Efficiency 94 % Peak intensity 1.3 cd/lm LEDs/each optic 1 Light colour White Required components:



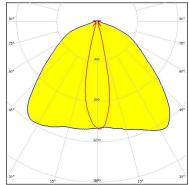


OSRAM Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3

FWHM 23.0 + 111.0° Efficiency 94 % Peak intensity 1.3 cd/lm LEDs/each optic 1 White Light colour Required components:





PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconducto

OSLON Square PC

FWHM 25.0 + 124.0°

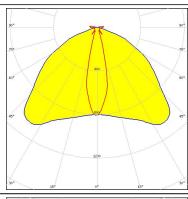
Efficiency 91 %

Peak intensity 1.1 cd/lm

LEDs/each optic 1 Light colour White

Required components:





PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4

FWHM 21.0 + 108.0°

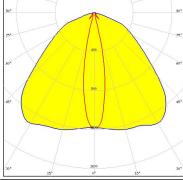
Efficiency 94 %

Peak intensity 1.3 cd/lm

LEDs/each optic 1 Light colour White

Required components:





SAMSUNG

LED HiLOM RH16 (LH351C)

FWHM 23.0 + 106.0°

Efficiency 94 %

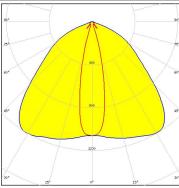
Peak intensity 1.2 cd/lm

LEDs/each optic 1

Light colour White

Required components:





SAMSUNG

LED LH351B

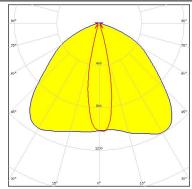
FWHM 23.0 + 113.0°

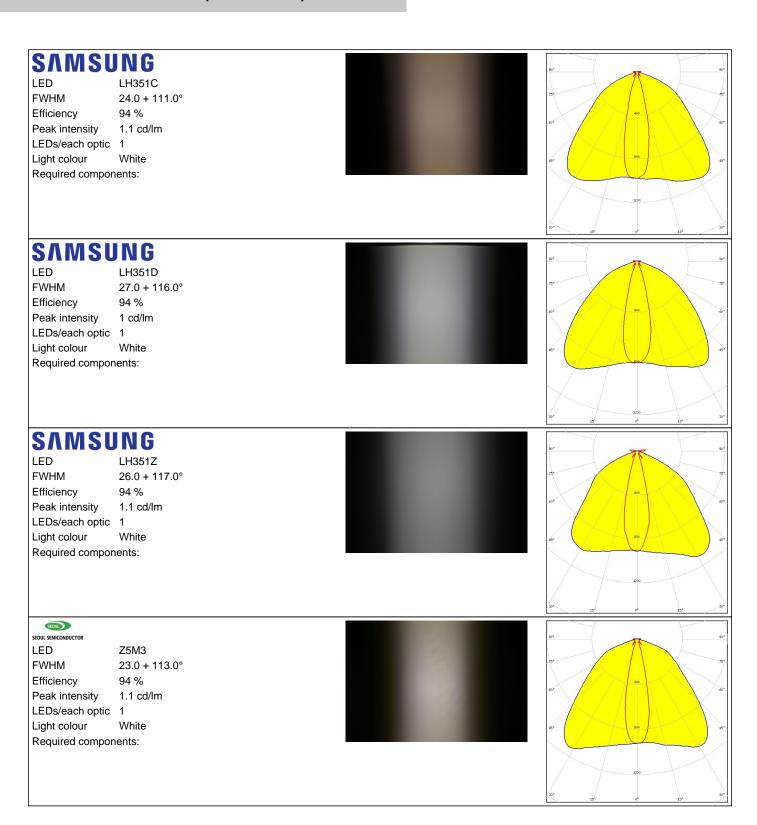
Efficiency 94 %

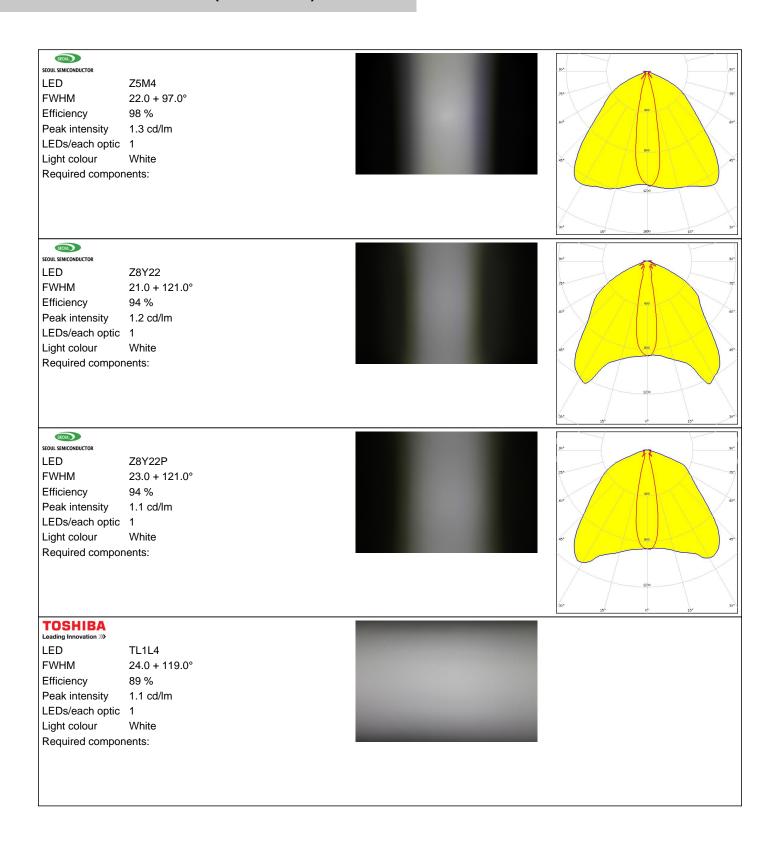
Peak intensity 1.2 cd/lm

LEDs/each optic 1

Light colour White Required components:







PHOTOMETRIC DATA (MEASURED):

TRIDONIC

LED RLE 2x4 2000lm HP EXC2 OTD

FWHM 22.0 + 113.0° Efficiency 94 % Peak intensity 1.3 cd/lm LEDs/each optic 1 Light colour White

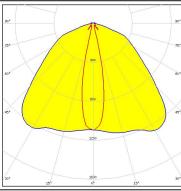
TRIDONIC

Required components:

LED RLE 2x8 4000lm HP EXC2 OTD

FWHM 22.0 + 113.0°
Efficiency 94 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

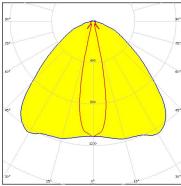




TRIDONIC

LED RLE G1 49x121mm 2000lm xxx EXC OTD

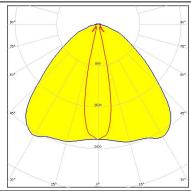
FWHM 23.0 + 104.0°
Efficiency 94 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



TRIDONIC

LED RLE G1 49x133mm 2000lm xxx EXC OTD

FWHM 23.0 + 104.0°
Efficiency 94 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:





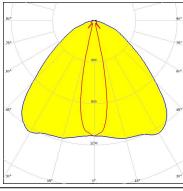
PHOTOMETRIC DATA (MEASURED):

TRIDONIC

LED RLE G1 49x223mm 4000lm xxx EXC OTD

FWHM 23.0 + 104.0°
Efficiency 94 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



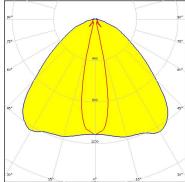


TRIDONIC

LED RLE G1 49x245mm 4000lm xxx EXC OTD

FWHM 23.0 + 104.0°
Efficiency 94 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:





PHOTOMETRIC DATA (SIMULATED):

CREE 💠

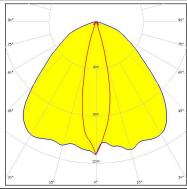
LED J Series 5050 **FWHM** $30.0 + 97.0^{\circ}$ Efficiency 94 % Peak intensity 1 cd/lm LEDs/each optic Light colour White

CREE 🕏

Required components:

LED XHP35 HI **FWHM** 101.0 + 27.0° 94 % Efficiency Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour

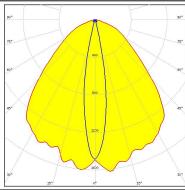
White Required components:



CREE ÷

LED XP-E2 **FWHM** 93.0 + 18.0° Efficiency 94 % Peak intensity 1.6 cd/lm LEDs/each optic

Light colour White Required components:

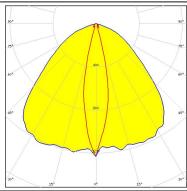


CREE \$

LED XP-G2 **FWHM** 21.0 + 98.0° Efficiency 91 % Peak intensity 1.2 cd/lm LEDs/each optic White Light colour

Required components:

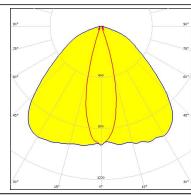
Transparent protective cover



PHOTOMETRIC DATA (SIMULATED):

CREE 💠

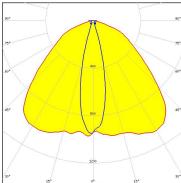
LED XP-G2 HE
FWHM 28.0 + 103.0°
Efficiency 94 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White



CREE 🕏

Required components:

LED XP-G3
FWHM 103.0 + 29.0°
Efficiency 94 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CREE 💠

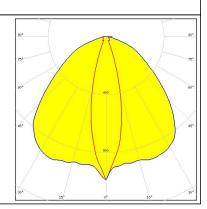
LED XQ-E HI FWHM 96.0 + 14.0°

Efficiency %
LEDs/each optic 1
Light colour White
Required components:



LED XT-E HE
FWHM 100.0 + 24.0°
Efficiency 94 %
LEDs/each optic 1
Light colour White

Light colour V
Required components:



PHOTOMETRIC DATA (SIMULATED):

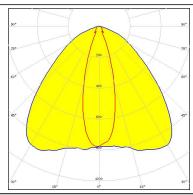


LED LUXEON 5050 Round LES

FWHM $30.0 + 96.0^{\circ}$ 88 % Efficiency Peak intensity 0.9 cd/lm LEDs/each optic Light colour White

Required components:

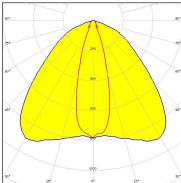
Transparent protective cover



MUMILEDS

LED LUXEON 5050 Square LES

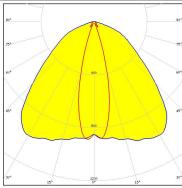
FWHM $30.0 + 98.0^{\circ}$ 95 % Efficiency Peak intensity 0.9 cd/lm LEDs/each optic 1 White Light colour Required components:



WNICHIA

LED NV4WB35AM **FWHM** 28.0 + 100.0°

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

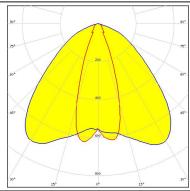


OSRAM Opto Semiconductors

LED Duris S8 **FWHM** $36.0 + 98.0^{\circ}$ Efficiency 87 % 0.7 cd/lm Peak intensity LEDs/each optic White Light colour

Required components:

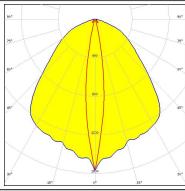
Transparent protective cover



PHOTOMETRIC DATA (SIMULATED):

OSRAM

LED OSCONIQ P 3030 **FWHM** 14.0 + 92.0° 95 % Efficiency Peak intensity 1.6 cd/lm LEDs/each optic Light colour White

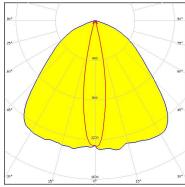


OSRAM Opto Semiconductors

Required components:

LED OSCONIQ P 3737 (2W version)

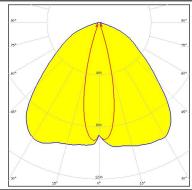
FWHM 99.0 + 19.0° 94 % Efficiency Peak intensity 1.3 cd/lm LEDs/each optic 1 Light colour White Required components:



OSRAM Opto Semiconductors

LED OSCONIQ P 3737 (3W version)

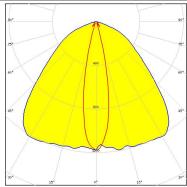
FWHM 100.0 + 30.0° Efficiency 94 % Peak intensity 1 cd/lm LEDs/each optic Light colour White Required components:



OSRAM Opto Semiconductors

LED OSCONIQ P 3737 Flat

FWHM 22.0 + 98.0° Efficiency 96 % 1.2 cd/lm Peak intensity LEDs/each optic White Light colour Required components:



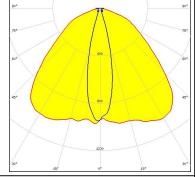
PHOTOMETRIC DATA (SIMULATED):

PHILIPS

Required components:

LED Fortimo FastFlex LED 2x8 DAX G4

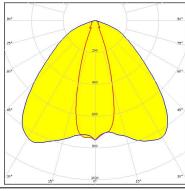
FWHM 103.0 + 29.0°
Efficiency 94 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White



SEOUL SEMICONDUCTOR

LED SEOUL DC 5050 6V

FWHM 33.0 + 98.0°
Efficiency 94 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

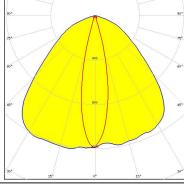


EOUL SEMICONDUCTO

LED Z5M1/Z5M2 FWHM 22.0 + 97.0°

Efficiency 94 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1

Light colour White Required components:



SEOUL SEMICONDUCTOR

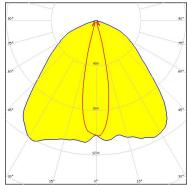
 LED
 Z8Y22T

 FWHM
 21.0 + 96.0°

 Efficiency
 94 %

 Peak intensity
 1.2 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:

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:

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LEDIL Oy

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