

HB-2X2-O

~20° + 115° oval beam for aisle lighting

TECHNICAL SPECIFICATIONS:

Dimensions 50.0 mm Height 10.6 mm

Fastening glue, pin, screw

Colour clear

Box size 480 x 280 x 300 mm

Box weight 10.4 kg

Quantity in Box 800 pcs

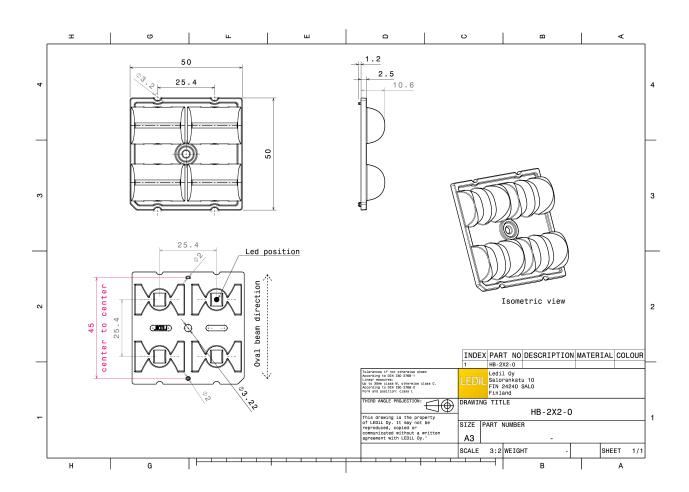
ROHS compliant yes 1



MATERIAL SPECIFICATIONS:

ComponentTypeMaterialColourHB-2X2-OMulti-lensPMMAclear





PHOTOMETRIC DATA (MEASURED):

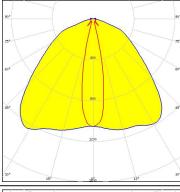


LED QUICK FLUX XTP 2x4 xxx LS G5

FWHM 21.0 + 111.0° 94 % Efficiency Peak intensity 1.300 cd/lm

LEDs/each optic 1 Light colour White Required components:





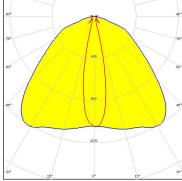
COMET

LED QUICK FLUX XTP 2x6 xxx LS G5

FWHM 22.0 + 111.0° 94 % Efficiency Peak intensity 1.200 cd/lm

LEDs/each optic 1 White Light colour Required components:



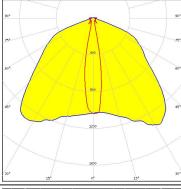


CREE 🚓

LED XD16 **FWHM** 19.0 + 127.0° Efficiency 93 % Peak intensity 1.400 cd/lm

LEDs/each optic 1 Light colour White Required components:





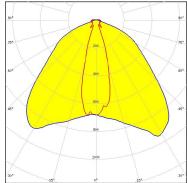
CREE \$

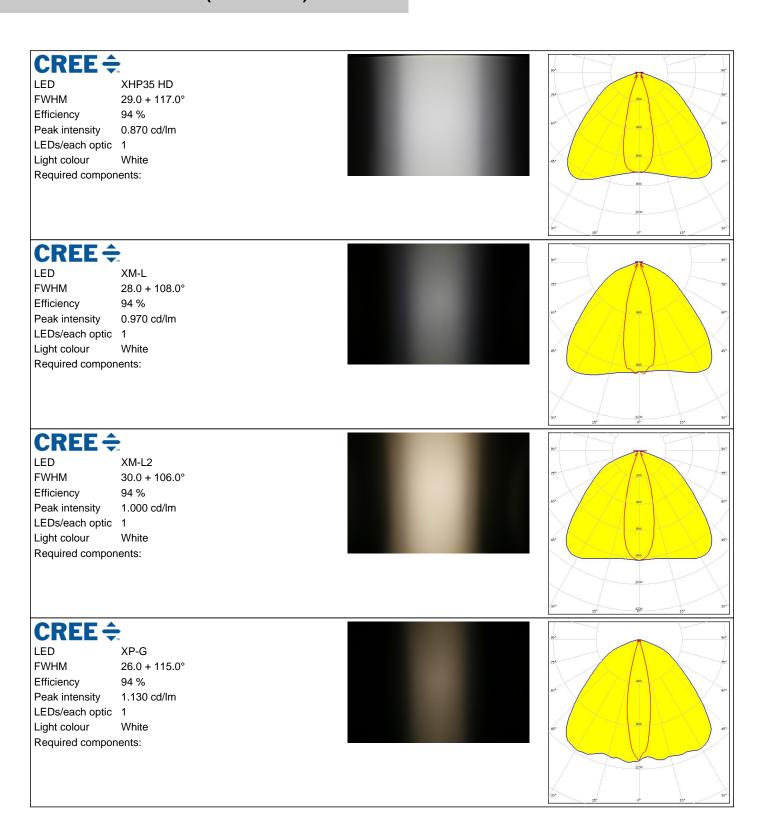
LED XD16 **FWHM** 29.0 + 116.0° Efficiency 94 %

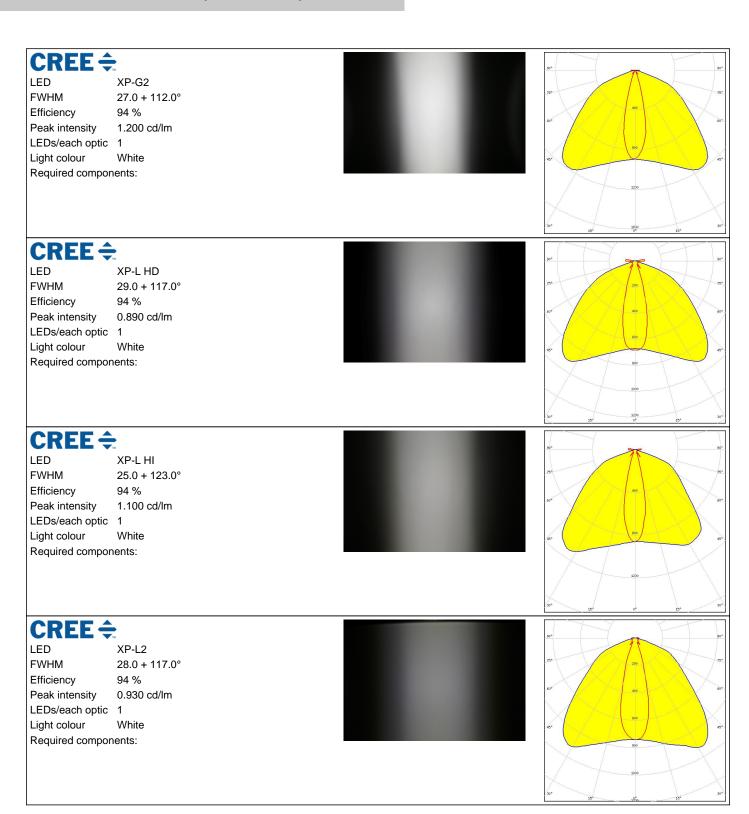
0.950 cd/lm

Peak intensity LEDs/each optic 4 White Light colour Required components:









PHOTOMETRIC DATA (MEASURED):

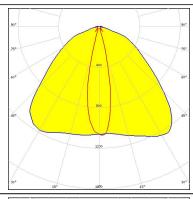


LED H35C1 (LEMWA33) FWHM 23.0 + 110.0° Efficiency 94 %

Peak intensity 1.200 cd/lm

LEDs/each optic 1
Light colour White
Required components:





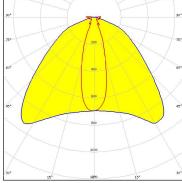
MUMILEDS

LED LUXEON 5050 Round LES

FWHM 29.0 + 114.0° Efficiency 94 % Peak intensity 0.940 cd/lm

LEDs/each optic 1 Light colour White Required components:





MUMILEDS

 LED
 LUXEON MZ

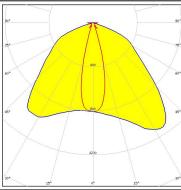
 FWHM
 28.0 + 103.0°

 Efficiency
 94 %

 Peak intensity
 1.100 cd/lm

LEDs/each optic 1 Light colour White Required components:



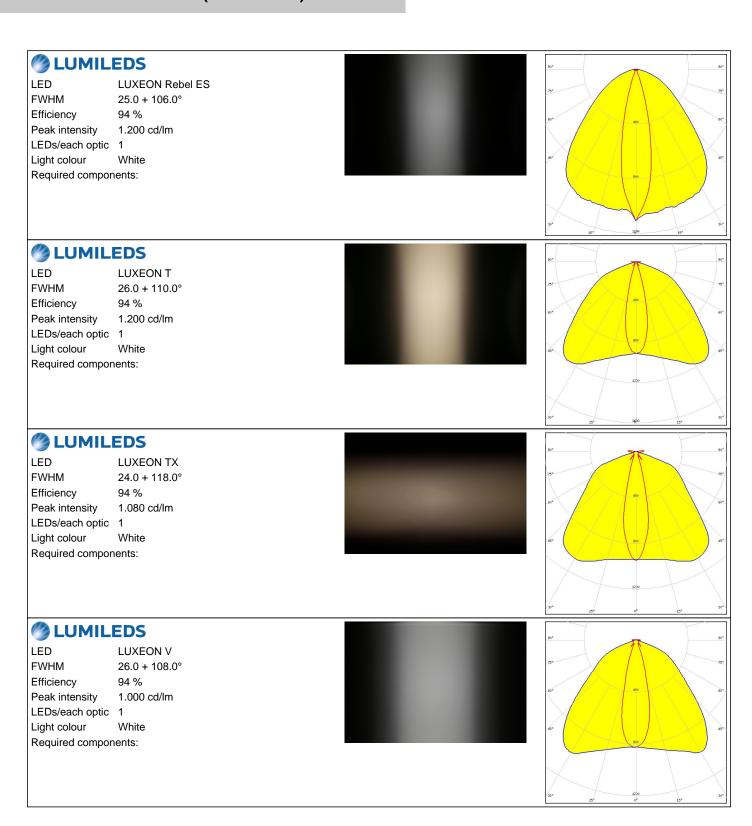


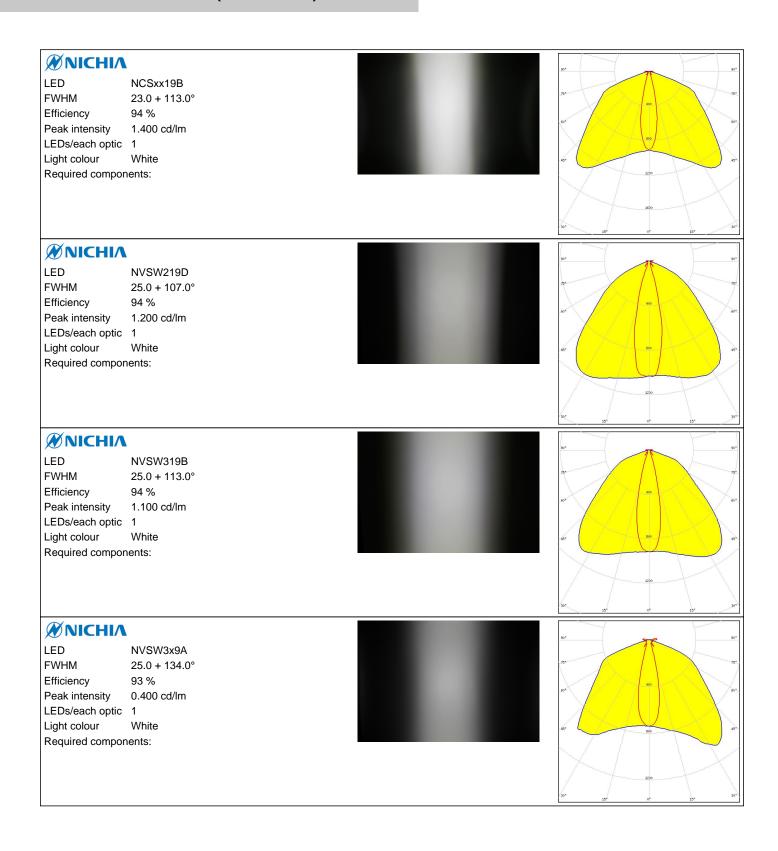
DESCRIPTION LUMILEDS

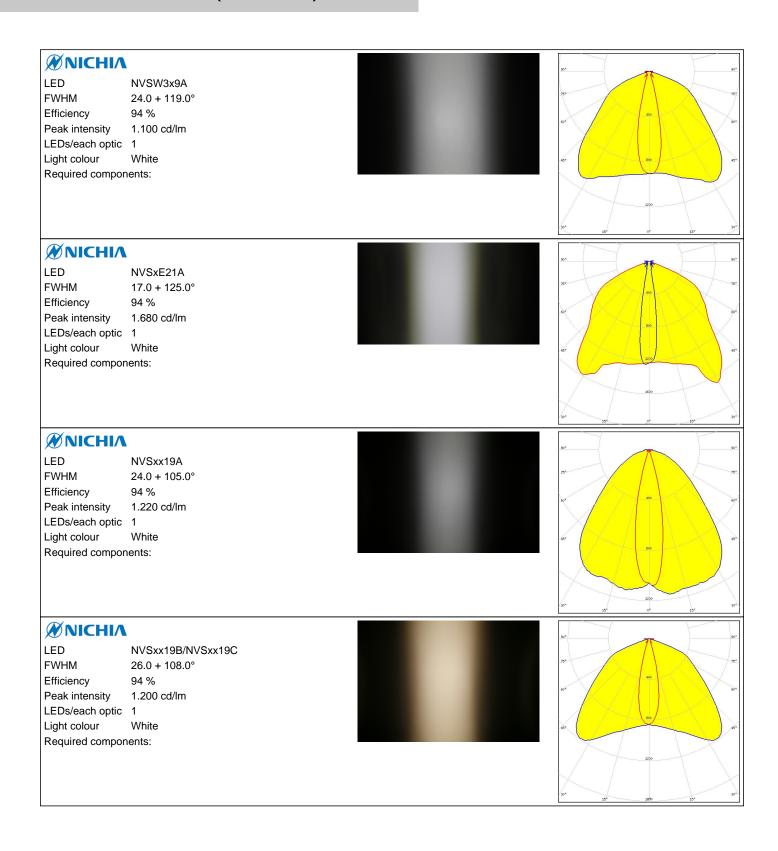
LED LUXEON R FWHM 25.0 + 105.0°

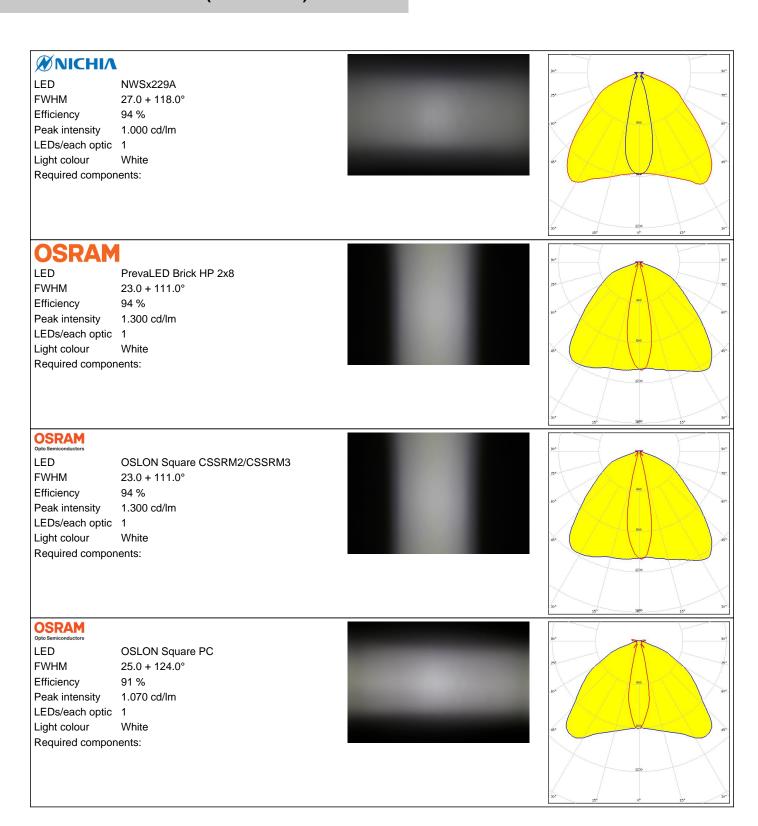
Efficiency 94 %
Peak intensity 1.240 cd/lm











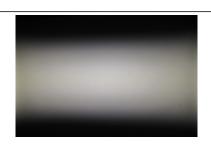
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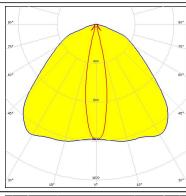
PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4

 $\begin{array}{lll} \mbox{FWHM} & 21.0 + 108.0^{\circ} \\ \mbox{Efficiency} & 94 \ \% \\ \mbox{Peak intensity} & 1.300 \ \mbox{cd/lm} \end{array}$

LEDs/each optic 1
Light colour White
Required components:





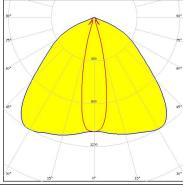
SAMSUNG

LED HILOM RH16 (LH351C)

FWHM $23.0 + 106.0^{\circ}$ Efficiency 94 %Peak intensity 1.200 cd/lm

LEDs/each optic 1 Light colour White Required components:



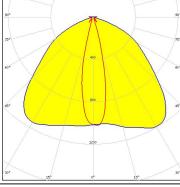


SAMSUNG

LED LH351B FWHM 23.0 + 113.0° Efficiency 94 %

Peak intensity 1.210 cd/lm LEDs/each optic 1 Light colour White Required components:





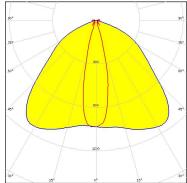
SAMSUNG

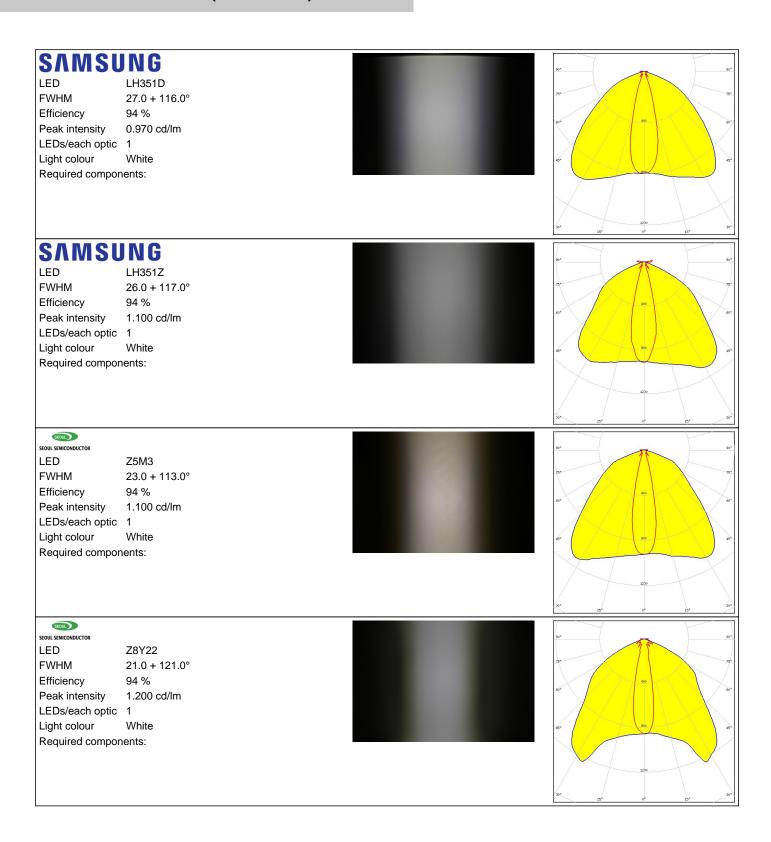
LED LH351C FWHM 24.0 + 111.0° Efficiency 94 %

Peak intensity 1.100 cd/lm LEDs/each optic 1 Light colour White

Required components:







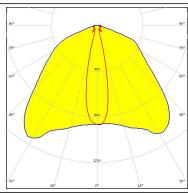
PHOTOMETRIC DATA (MEASURED):



LED Z8Y22P
FWHM 23.0 + 121.0°
Efficiency 94 %
Peak intensity 1.100 cd/lm
LEDs/each optic 1

LEDs/each optic 1 Light colour White Required components:





TOSHIBA

Leading Innovation >>

LED TL1L4
FWHM 24.0 + 119.0°
Efficiency 89 %
Peak intensity 1.100 cd/lm

LEDs/each optic 1
Light colour White
Required components:



TRIDONIC

LED RLE 2x4 2000lm HP EXC2 OTD

FWHM 22.0 + 113.0° Efficiency 94 % Peak intensity 1.300 cd/lm

LEDs/each optic 1
Light colour White
Required components:

TRIDONIC

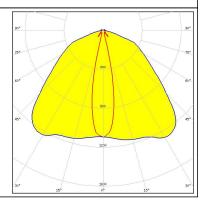
LED RLE 2x8 4000lm HP EXC2 OTD

 FWHM
 22.0 + 113.0°

 Efficiency
 94 %

 Peak intensity
 1.300 cd/lm





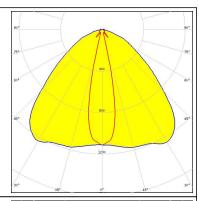
PHOTOMETRIC DATA (MEASURED):

TRIDONIC

LED RLE G1 49x121mm 2000lm xxx EXC OTD

FWHM $23.0 + 104.0^{\circ}$ Efficiency 94 % Peak intensity 1.300 cd/lm

LEDs/each optic 1 Light colour White Required components:

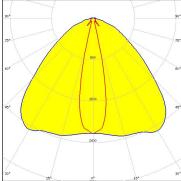


TRIDONIC

LED RLE G1 49x133mm 2000lm xxx EXC OTD

FWHM $23.0 + 104.0^{\circ}$ Efficiency 94 %Peak intensity 1.300 cd/lm

LEDs/each optic 1
Light colour White
Required components:



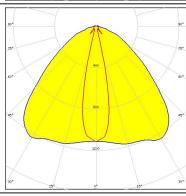
TRIDONIC

LED RLE G1 49x223mm 4000lm xxx EXC OTD

FWHM $23.0 + 104.0^{\circ}$ Efficiency 94 % Peak intensity 1.300 cd/lm

LEDs/each optic 1
Light colour White
Required components:



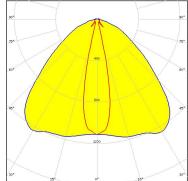


TRIDONIC

LED RLE G1 49x245mm 4000lm xxx EXC OTD

FWHM $23.0 + 104.0^{\circ}$ Efficiency 94 % Peak intensity 1.300 cd/lm





PHOTOMETRIC DATA (SIMULATED):

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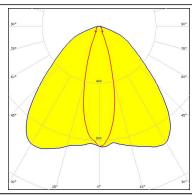
 LED
 J Series 5050

 FWHM
 30.0 + 97.0°

 Efficiency
 94 %

 Peak intensity
 0.960 cd/lm

LEDs/each optic 1
Light colour White
Required components:

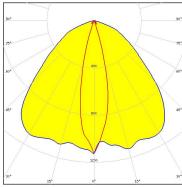


CREE ÷

LED XHP35 HI FWHM 101.0 + 27.0° Efficiency 94 %

Efficiency 94 % Peak intensity 1.200 cd/lm

LEDs/each optic 1
Light colour White
Required components:



CREE ÷

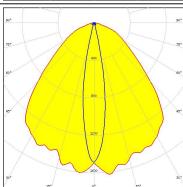
 LED
 XP-E2

 FWHM
 93.0 + 18.0°

 Efficiency
 94 %

 Peak intensity
 1.630 cd/lm

LEDs/each optic 1
Light colour White
Required components:



CREE 🕏

 LED
 XP-G2

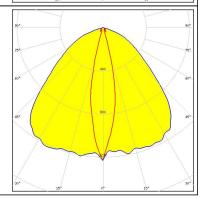
 FWHM
 21.0 + 98.0°

 Efficiency
 91 %

 Peak intensity
 1.200 cd/lm

LEDs/each optic 1
Light colour White
Required components:

Transparent protective cover



PHOTOMETRIC DATA (SIMULATED):

CREE 💠

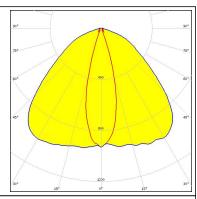
 LED
 XP-G2 HE

 FWHM
 28.0 + 103.0°

 Efficiency
 94 %

 Peak intensity
 0.999 cd/lm

LEDs/each optic 1 Light colour White Required components:



CREE 🕏

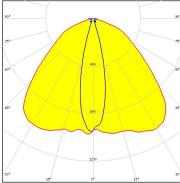
 LED
 XP-G3

 FWHM
 103.0 + 29.0°

 Efficiency
 94 %

 Peak intensity
 1.100 cd/lm

LEDs/each optic 1
Light colour White
Required components:



CREE 🕏

 $\begin{array}{lll} \text{LED} & & \text{XQ-E HI} \\ \text{FWHM} & & 96.0 + 14.0 \\ \end{array}$

Efficiency %
Peak intensity cd/lm

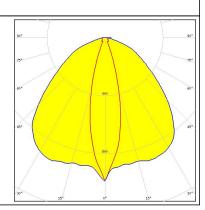
LEDs/each optic 1 Light colour White Required components:



LED XT-E HE FWHM 100.0 + 24.0°

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

Light colour White Required components:



PHOTOMETRIC DATA (SIMULATED):

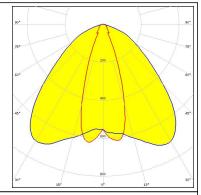
OSRAM

LED Duris S8 **FWHM** $36.0 + 98.0^{\circ}$ 87 %

Efficiency Peak intensity 0.716 cd/lm

LEDs/each optic 1 Light colour White Required components:

Transparent protective cover

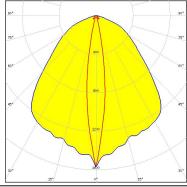


OSRAM Opto Semiconductors

LED OSCONIQ P 3030 **FWHM** 14.0 + 92.0° 95 % Efficiency

Peak intensity 1.576 cd/lm

LEDs/each optic 1 White Light colour Required components:

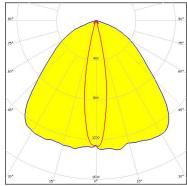


OSRAM Opto Semiconductors

LED OSCONIQ P 3737 (2W version)

FWHM 99.0 + 19.0° Efficiency 94 % Peak intensity 1.300 cd/lm

LEDs/each optic 1 Light colour White Required components:



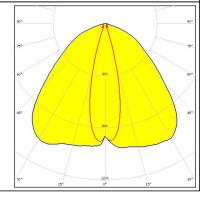
OSRAM Opto Semiconductors

LED OSCONIQ P 3737 (3W version)

FWHM 100.0 + 30.0° Efficiency 94 %

1.030 cd/lm Peak intensity

LEDs/each optic 1 White Light colour Required components:



PHOTOMETRIC DATA (SIMULATED):

OSRAM

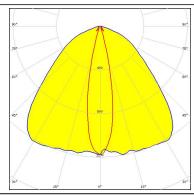
Opto Semiconducto

LED

OSCONIQ P 3737 Flat

FWHM $22.0 + 98.0^{\circ}$ Efficiency 96 % Peak intensity 1.219 cd/lm

LEDs/each optic 1 Light colour White Required components:

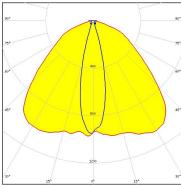


PHILIPS

LED Fortimo FastFlex LED 2x8 DAX G4

FWHM $103.0 + 29.0^{\circ}$ Efficiency 94 % Peak intensity 1.100 cd/m

LEDs/each optic 1
Light colour White
Required components:



SEOUL SEMICONDUCTOR

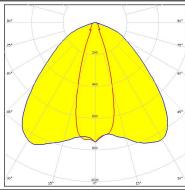
LED SEOUL DC 5050 6V

 FWHM
 33.0 + 98.0°

 Efficiency
 94 %

 Peak intensity
 0.860 cd/lm

LEDs/each optic 1
Light colour White
Required components:



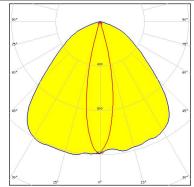


 LED
 Z5M1/Z5M2

 FWHM
 22.0 + 97.0°

 Efficiency
 94 %

Peak intensity 1.200 cd/lm





PHOTOMETRIC DATA (SIMULATED):

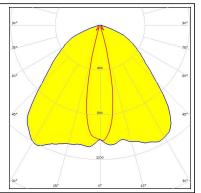


SEOUL SEMICONDUCT

FWHM

Z8Y22T 21.0 + 96.0° 94 %

Efficiency 94 % Peak intensity 1.210 cd/lm





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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