

HB-2X2-RS

~10° spot beam

TECHNICAL SPECIFICATIONS:

Dimensions 50.0 x 50.0 mm Height 10 mm Fastening screw **ROHS** compliant yes 🕕



MATERIAL SPECIFICATIONS:

Type Material Colour **Finish** Component HB-2X2-RS Multi-lens **PMMA** clear

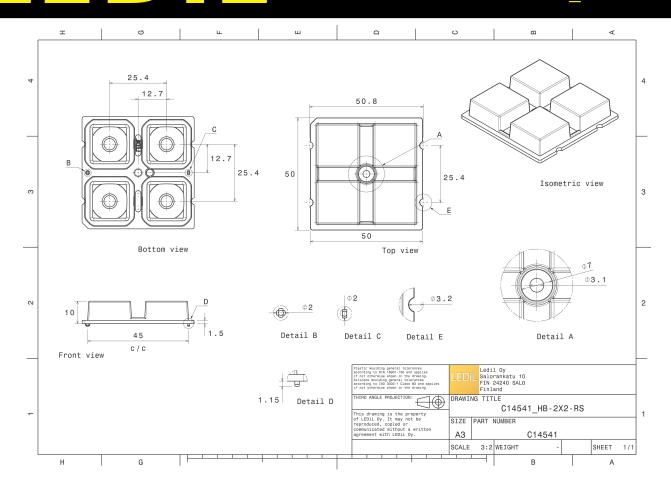
ORDERING INFORMATION:

Component

» Box size: 480 x 280 x 300 mm

Qty in box MOQ MPQ Box weight (kg) 800 C14541_HB-2X2-RS 160 160 10.2

PRODUCT DATASHEET C14541_HB-2X2-RS



See also our general installation guide: www.ledil.com/installation_guide

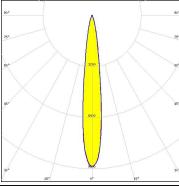




QUICK FLUX XTP 2x6 xxx LS G5

FWHM / FWTM 14.0° / 29.0°
Efficiency 94 %
Peak intensity 9.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

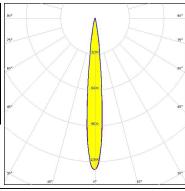




CREE - LED

LED XD16
FWHM / FWTM 11.0° / 23.0°
Efficiency 93 %
Peak intensity 13.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

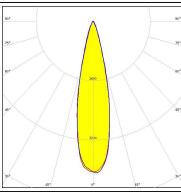




CREE - LED

LED XHP35 HD
FWHM / FWTM 24.0° / 42.0°
Efficiency 89 %
Peak intensity 4.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

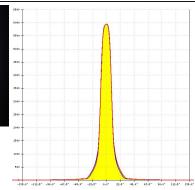




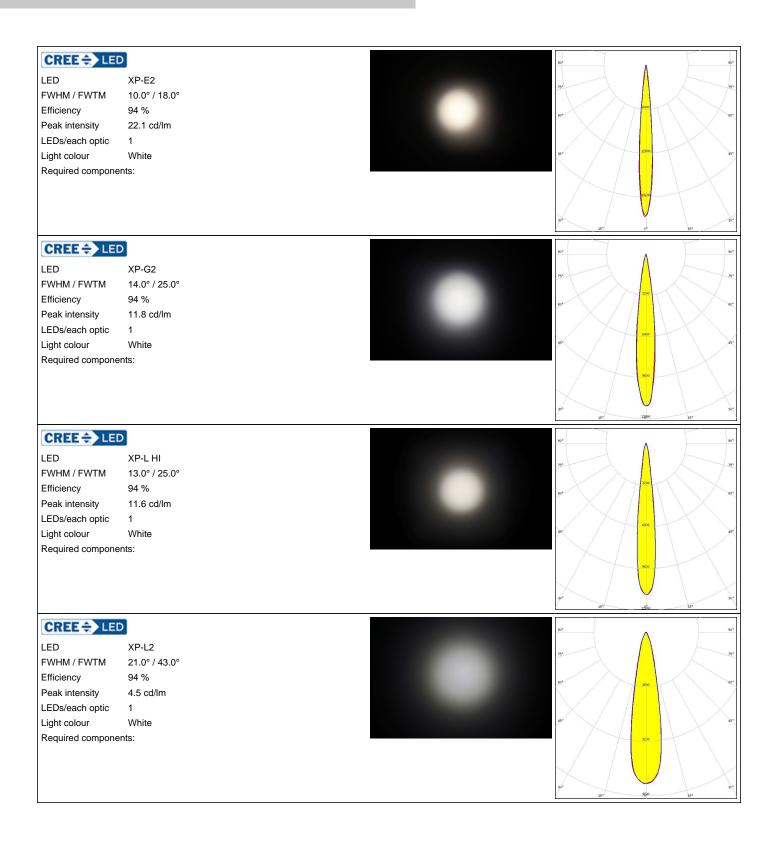
CREE - LED

LED XM-L3
FWHM / FWTM 20.0° / 36.0°
Efficiency 96 %
Peak intensity 6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

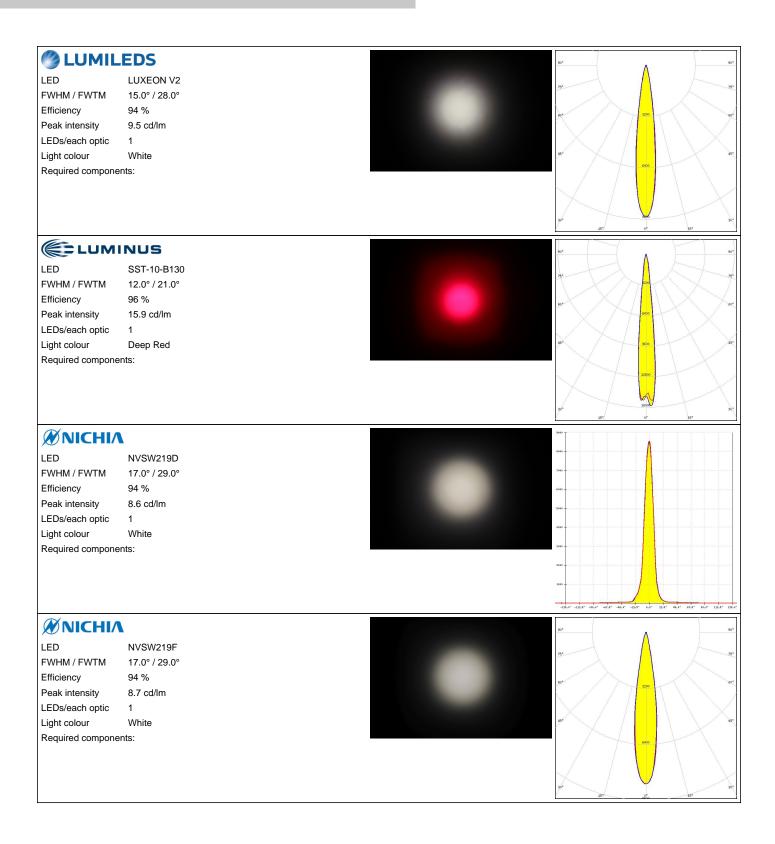




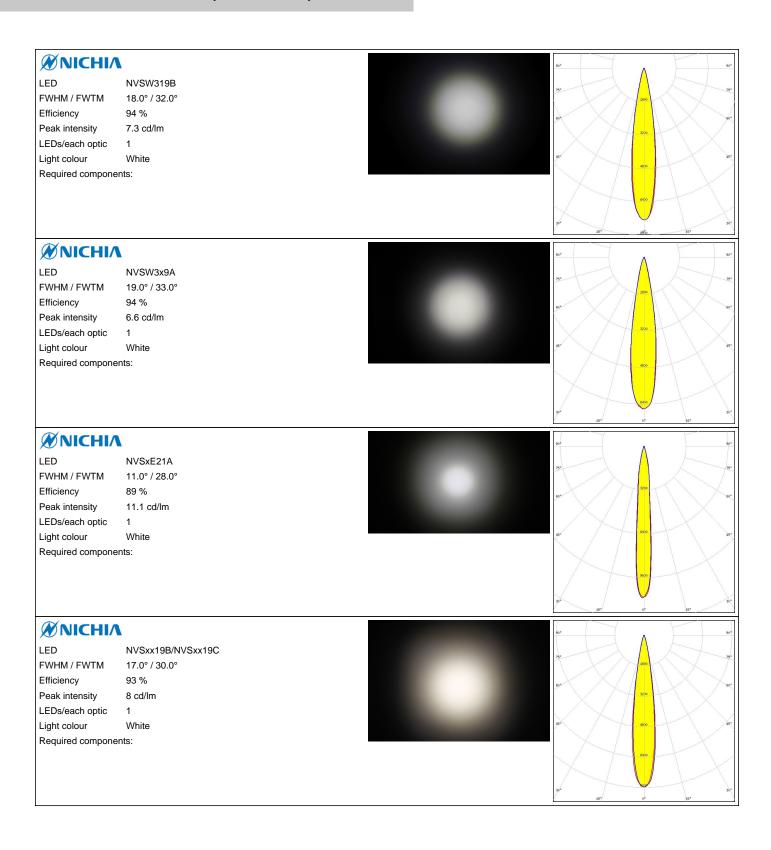




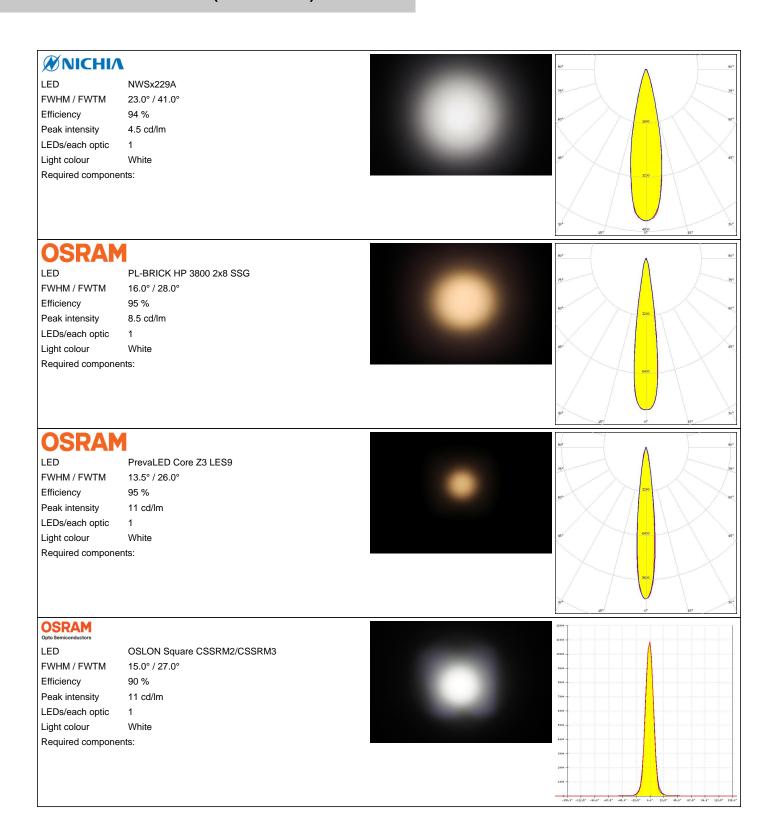










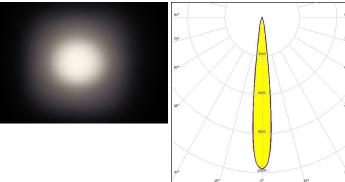




PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4

FWHM / FWTM 13.0° / 23.0°
Efficiency 93 %
Peak intensity 12.5 cd/lm
LEDs/each optic 1
Light colour White

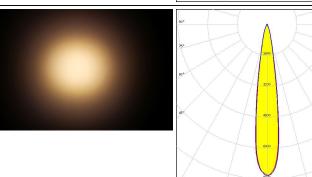


PHILIPS

Required components:

LED Fortimo FastFlex LED 2x8 DA G4+

FWHM / FWTM 17.0° / 32.0°
Efficiency 96 %
Peak intensity 7.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

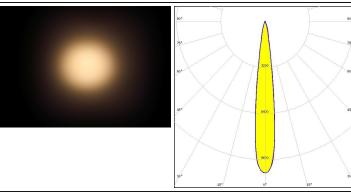


PHILIPS

LED Fortimo FastFlex LED 2x8 DA G5

FWHM / FWTM 14.0° / 27.0° Efficiency 96 % Peak intensity 10.5 cd/lm LEDs/each optic 1

LEDs/each optic 1
Light colour White
Required components:

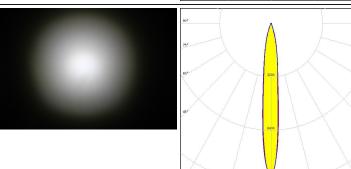


SAMSUNG

LED HILOM RC12 Z (LH181B)

FWHM / FWTM 12.0° / 33.0°
Efficiency 97 %
Peak intensity 9.1 cd/lm
LEDs/each optic 1
Light colour White

Required components:

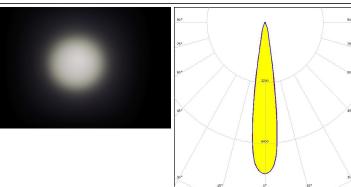




SAMSUNG

LED HiLOM RH12 Z (LH351C)

FWHM / FWTM 17.0° / 29.0°
Efficiency 96 %
Peak intensity 8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

LED HILOM RH16 (LH351C)

FWHM / FWTM 17.0° / 30.0°

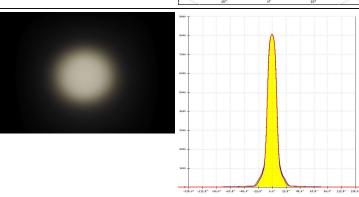
Efficiency 94 %

Peak intensity 8.1 cd/lm

LEDs/each optic 1

Light colour White

Required components:



SAMSUNG

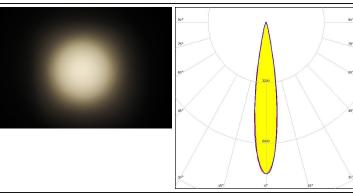
 LED
 LH351B

 FWHM / FWTM
 17.0° / 29.0°

 Efficiency
 89 %

 Peak intensity
 8 cd/lm

LEDs/each optic 1
Light colour White
Required components:

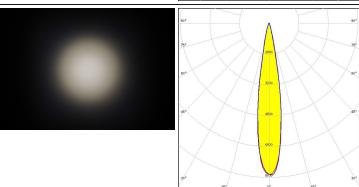


SAMSUNG

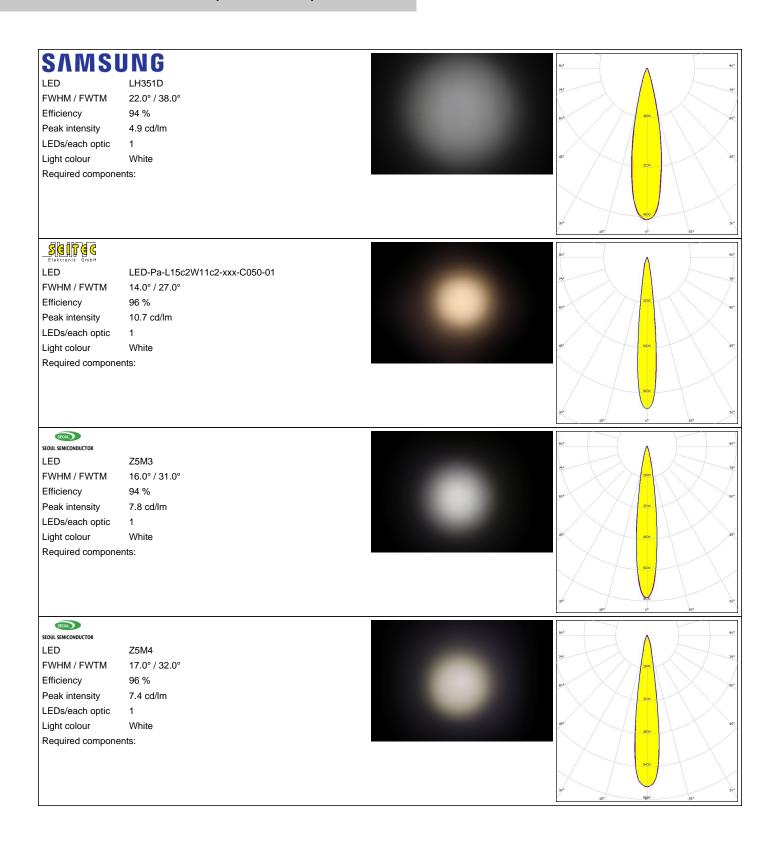
LED LH351C

FWHM / FWTM 18.0° / 30.0°
Efficiency 94 %
Peak intensity 7.9 cd/lm
LEDs/each optic 1

Light colour White Required components:







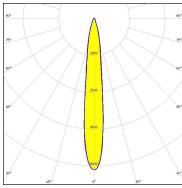




LED Z8Y22
FWHM / FWTM 14.0° / 35.0°
Efficiency 94 %
Peak intensity 6.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:

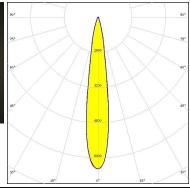






LED Z8Y22P
FWHM / FWTM 16.0° / 33.0°
Efficiency 93 %
Peak intensity 6.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:





TRIDONIC

LED RLE 2x4 2000lm HP EXC2 OTD

FWHM / FWTM 13.0° / 25.0° Efficiency 94 % Peak intensity 12.5 cd/lm

LEDs/each optic 1
Light colour White
Required components:

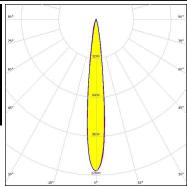
TRIDONIC

Required components:

LED RLE 2x8 4000lm HP EXC2 OTD

FWHM / FWTM 13.0° / 25.0°
Efficiency 94 %
Peak intensity 12.5 cd/lm
LEDs/each optic 1
Light colour White



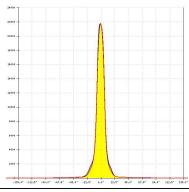




TRIDONIC

LED RLE G1 49x121mm 2000lm xxx EXC OTD

FWHM / FWTM 13.0° / 27.0°
Efficiency 94 %
Peak intensity 10.9 cd/lm
LEDs/each optic 1
Light colour White

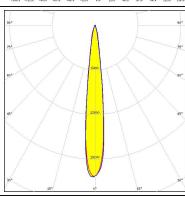


TRIDONIC

Required components:

LED RLE G1 49x133mm 2000lm xxx EXC OTD

FWHM / FWTM 13.0° / 27.0°
Efficiency 94 %
Peak intensity 10.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

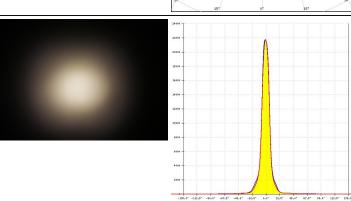


TRIDONIC

LED RLE G1 49x223mm 4000lm xxx EXC OTD

FWHM / FWTM 13.0° / 27.0° Efficiency 94 % Peak intensity 10.9 cd/lm LEDs/each optic 1

Light colour White Required components:

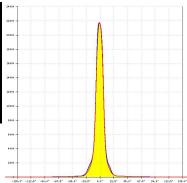


TRIDONIC

Required components:

LED RLE G1 49x245mm 4000lm xxx EXC OTD

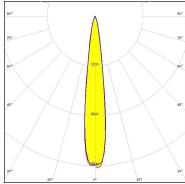
FWHM / FWTM 13.0° / 27.0°
Efficiency 94 %
Peak intensity 10.9 cd/lm
LEDs/each optic 1
Light colour White





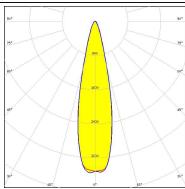
CREE . LED

LED XHP35 HI
FWHM / FWTM 14.0° / 29.0°
Efficiency 93 %
Peak intensity 9.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



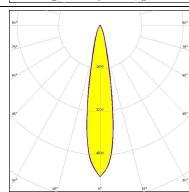
CREE - LED

LED XHP35.2
FWHM / FWTM 24.0° / 46.0°
Efficiency 93 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CREE - LED

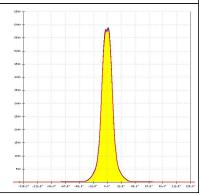
LED XM-L
FWHM / FWTM 19.0° / 38.0°
Efficiency 92 %
Peak intensity 5.6 cd/lm
LEDs/each optic 1
Light colour White



CREE - LED

Required components:

LED XM-L2
FWHM / FWTM 18.0° / 34.0°
Efficiency 94 %
Peak intensity 6.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



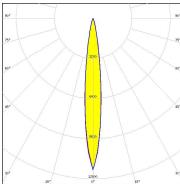


CREE . LED

LED XP-G
FWHM / FWTM 13.0° / 27.0°
Efficiency 93 %
Peak intensity 12.1 cd/lm
LEDs/each optic 1

White

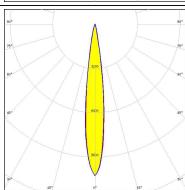
Light colour
Required components:



CREE - LED

LED XP-G2
FWHM / FWTM 14.0° / 26.0°
Efficiency 89 %
Peak intensity 11 cd/lm
LEDs/each optic 1
Light colour White
Required components:

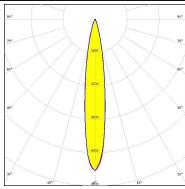
Protective plate, glass



CREE - LED

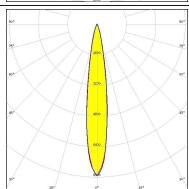
LED XP-G2 HE
FWHM / FWTM 16.0° / 34.0°
Efficiency 94 %
Peak intensity 7.3 cd/lm
LEDs/each optic 1
Light colour White

Required components:

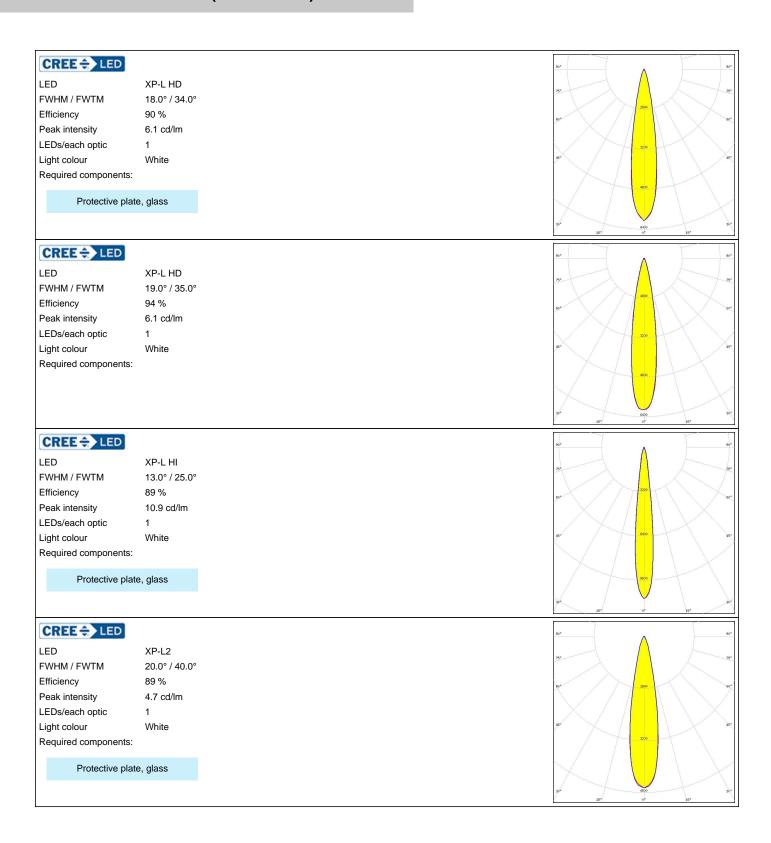


CREE - LED

LED XP-G3
FWHM / FWTM 16.0° / 33.0°
Efficiency 94 %
Peak intensity 7.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



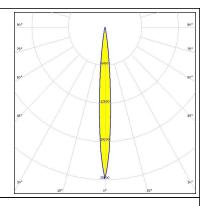






CREE . LED

LED XP-P
FWHM / FWTM 8.0° / 18.0°
Efficiency 95 %
Peak intensity 25.5 cd/lm
LEDs/each optic 1
Light colour White



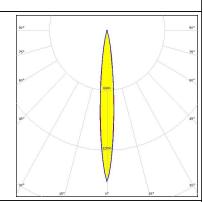
CREE - LED

Required components:

LED XQ-E HI
FWHM / FWTM 8.0° / 18.0°
Efficiency 94 %
Peak intensity 28.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

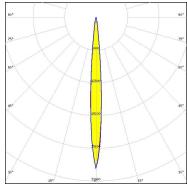
MUMILEDS

LED LUXEON C
FWHM / FWTM 11.0° / 24.0°
Efficiency 94 %
Peak intensity 16.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



MILEDS

LED LUXEON CZ
FWHM / FWTM 8.0° / 16.0°
Efficiency 93 %
Peak intensity 29.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

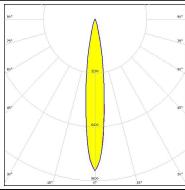






LED LUXEON HL2X
FWHM / FWTM 14.0° / 30.0°
Efficiency 95 %
Peak intensity 9 cd/lm
LEDs/each optic 1
Light colour White

Required components:

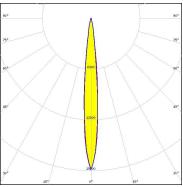


MUMILEDS

LED LUXEON IR Domed 150

FWHM / FWTM 11.0° / 21.0°
Efficiency 94 %
Peak intensity 19.1 cd/lm
LEDs/each optic 1
Light colour White

Required components:

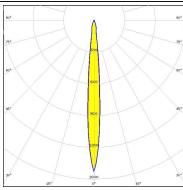


MATERIAL PROPERTY OF THE PROP

LED LUXEON IR Domed 60

FWHM / FWTM 10.0° / 20.0°
Efficiency 93 %
LEDs/each optic 1
Light colour White

Required components:



OSRAM

LED OSCONIQ C 2424

FWHM / FWTM 10.0° / 20.0 + 21.0°

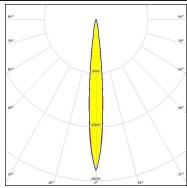
Efficiency 96 %

Peak intensity 18 cd/lm

LEDs/each optic 1

Light colour White

Required components:



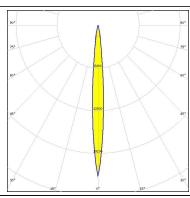


OSRAM

LED OSCONIQ P 3030

FWHM / FWTM 8.0° / 20.0° Efficiency 95 % Peak intensity 22.7 cd/lm LEDs/each optic

Required components:



OSRAM

Light colour

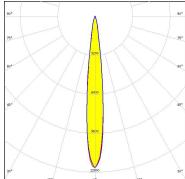
LED OSCONIQ P 3737 (2W version)

White

FWHM / FWTM 12.0° / 24.0° Efficiency 90 % Peak intensity 12.5 cd/lm LEDs/each optic 1 White Light colour

Required components:

Protective plate, glass



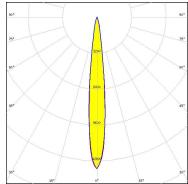
OSRAM Opto Semiconductors

LED OSCONIQ P 3737 (2W version)

White

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 12.0° / 24.0° Efficiency 95 % Peak intensity 13.5 cd/lm LEDs/each optic 1

Light colour Required components:

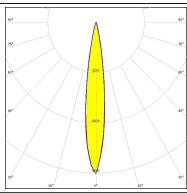


OSRAM

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM 15.0° / 27.0° Efficiency 81 % Peak intensity 9.7 cd/lm LEDs/each optic White Light colour Required components:

Protective plate, glass





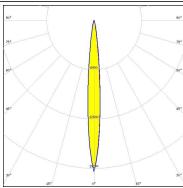
OSRAM

LED OSLON Square Flat

FWHM / FWTM 10.0° / 20.0° Efficiency 96 % Peak intensity 19.7 cd/lm LEDs/each optic

Light colour White

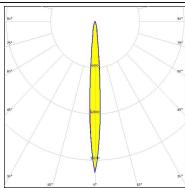
Required components:



OSRAM

LED OSLON SSL 80 FWHM / FWTM 8.2° / 18.8° Efficiency 94 % Peak intensity 21 cd/lm LEDs/each optic 1 White Light colour

Required components:



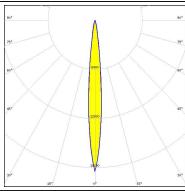
OSRAM Opto Semiconductor

LED OSTAR Projection Compact (Kx.CSLNM1.xx)

FWHM / FWTM 10.0° / 20.0° Efficiency 96 % Peak intensity 19.8 cd/lm

LEDs/each optic 1 Light colour White

Required components:

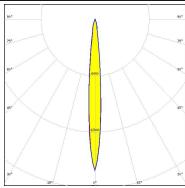


OSRAM

LED

SFH 4715AS FWHM / FWTM 9.2° / 21.0°

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





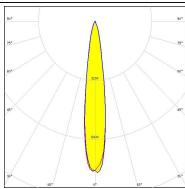
SAMSUNG

LED LH231B
FWHM / FWTM 16.0° / 34.0°
Efficiency 94 %
Peak intensity 8 cd/lm
LEDs/each optic 4
Light colour White

SAMSUNG

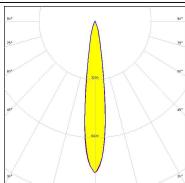
Required components:

LED LH231B
FWHM / FWTM 16.0° / 32.0°
Efficiency 95 %
Peak intensity 8.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

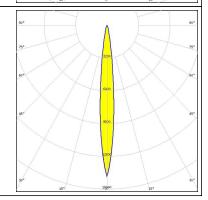
LED LH231B
FWHM / FWTM 16.0° / 32.0°
Efficiency 95 %
Peak intensity 8.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



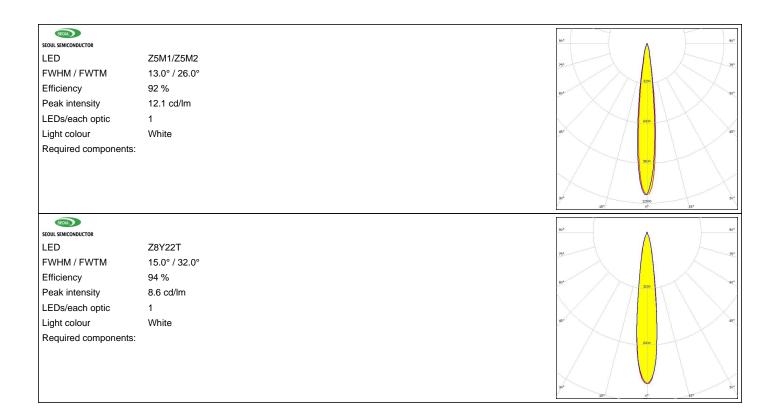
SAMSUNG

Required components:

LED LM301B
FWHM / FWTM 10.0° / 24.0°
Efficiency 94 %
Peak intensity 14.8 cd/lm
LEDs/each optic 1
Light colour White









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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LEDIL Oy

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