

HB-2X2-RS

~10° spot beam

SPECIFICATION:

Dimensions 50.0 x 50.0 mm

Height 10 mm

Fastening screw

ROHS compliant yes 1



MATERIALS:

ComponentTypeMaterialColourFinishHB-2X2-RSMulti-lensPMMAclear

ORDERING INFORMATION:

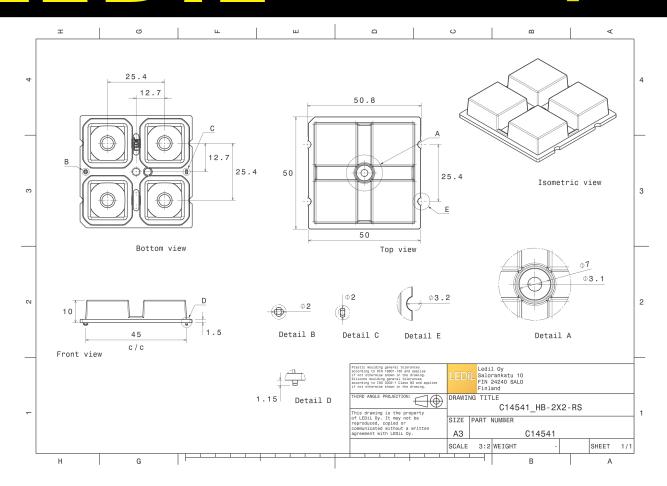
Component

C14541_HB-2X2-RS

» Box size: 480 x 280 x 300 mm

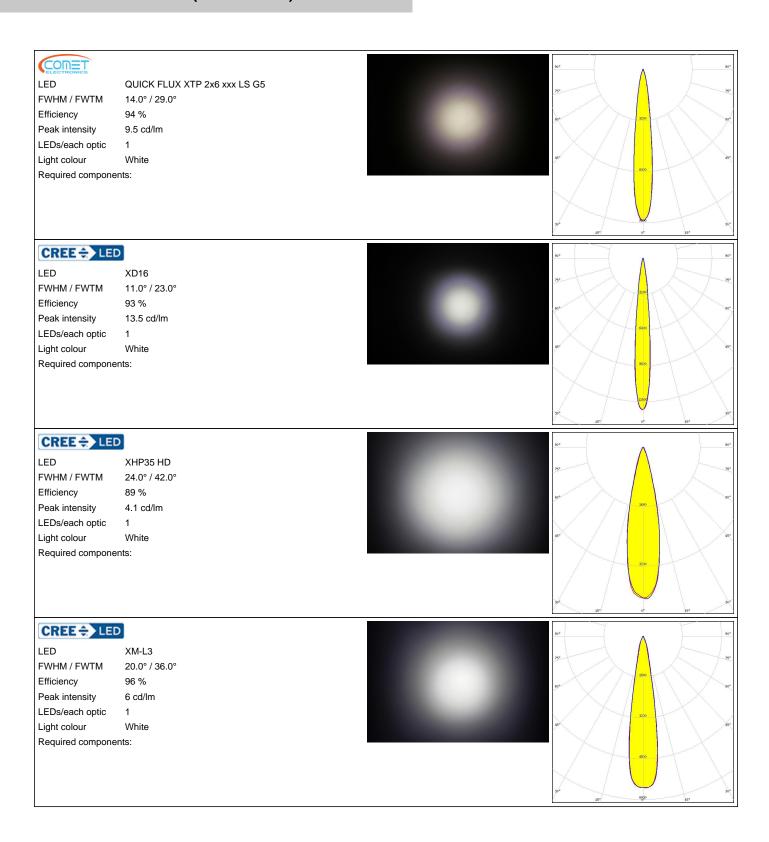
Qty in box	MOQ	MPQ	Box weight (kg)
800	160	160	10.2

PRODUCT DATASHEET C14541_HB-2X2-RS

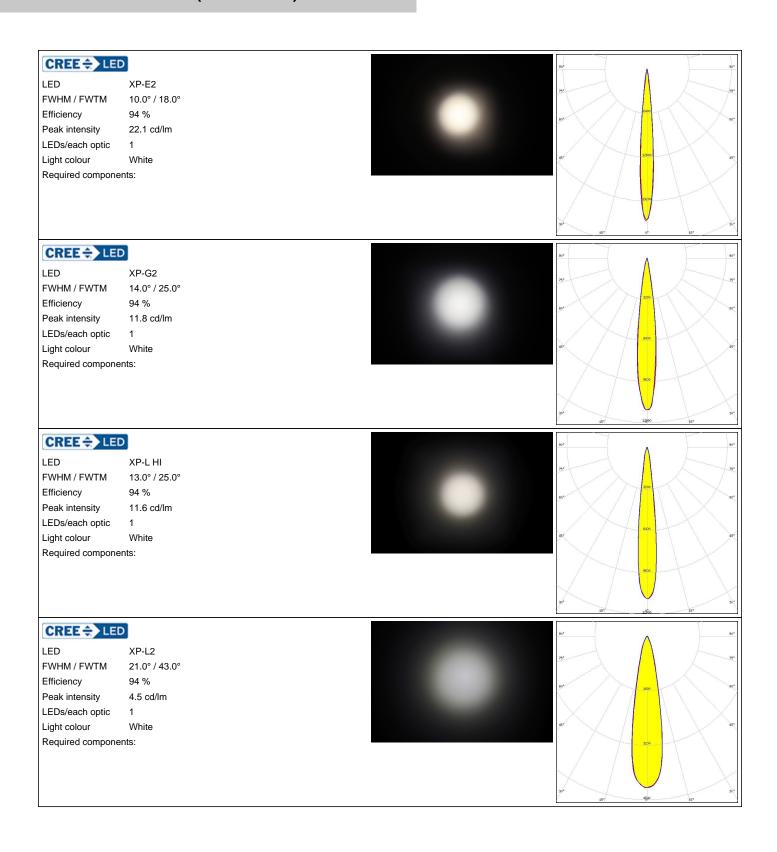


See also our general installation guide: www.ledil.com/installation_guide

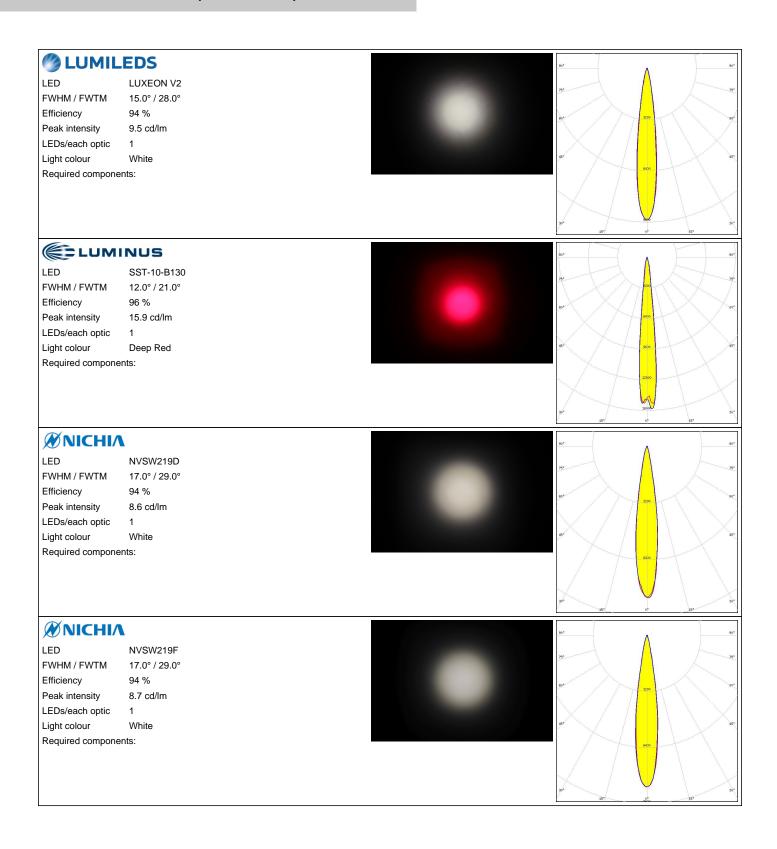




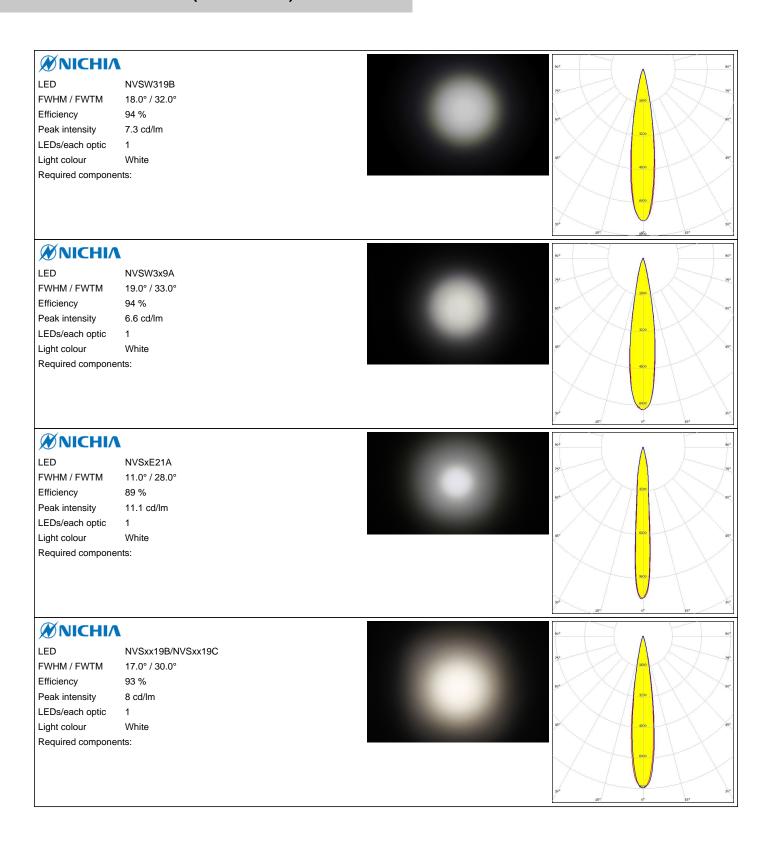




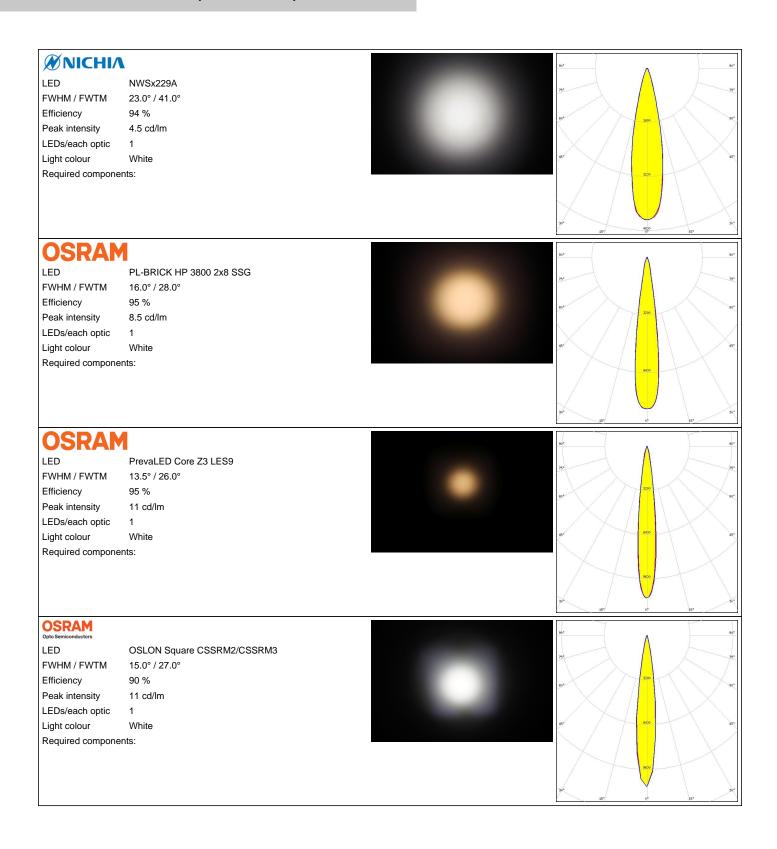










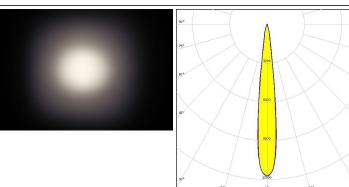




PHILIPS

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

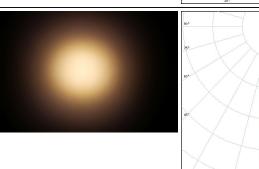


PHILIPS

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:

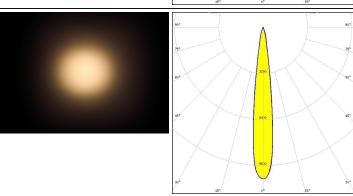


PHILIPS

LED Fortimo FastFlex LED 2x8 DA G5

FWHM / FWTM 14.0° / 27.0°
Efficiency 96 %
Peak intensity 10.5 cd/lm

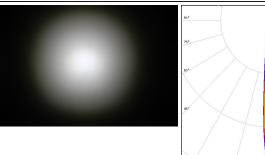
LEDs/each optic 1
Light colour White
Required components:



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

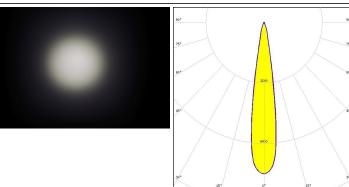




SAMSUNG

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:

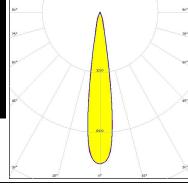


SAMSUNG

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

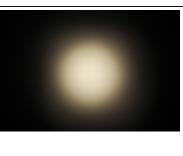
 LED
 LH351B

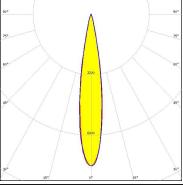
 FWHM / FWTM
 17.0° / 29.0°

 Efficiency
 89 %

 Peak intensity
 8 cd/lm

LEDs/each optic 1
Light colour White
Required components:





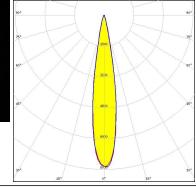
SAMSUNG

LED LH351C

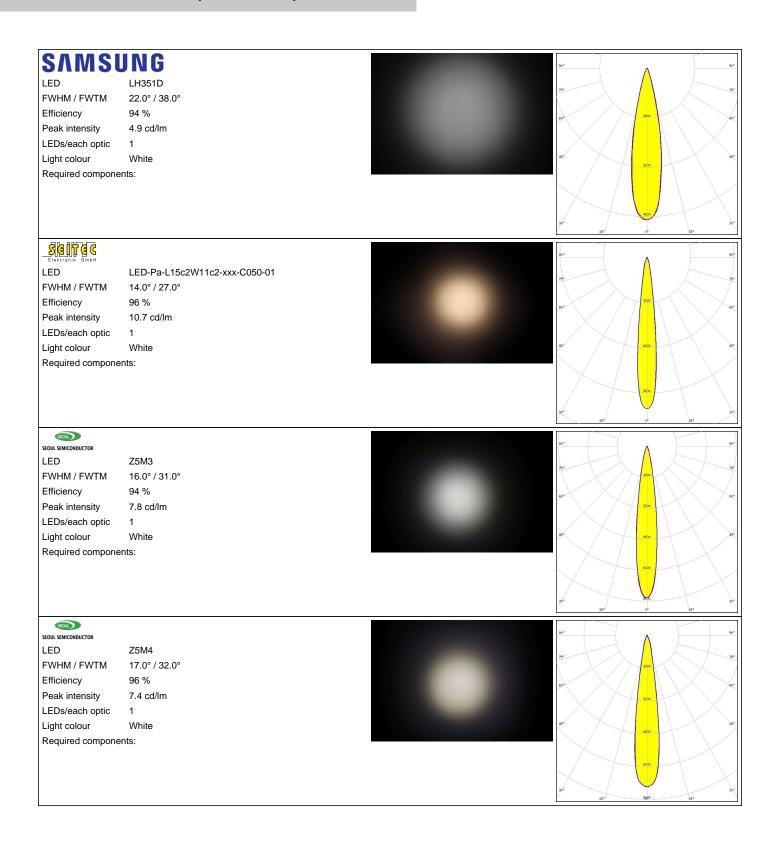
FWHM / FWTM 18.0° / 30.0°
Efficiency 94 %
Peak intensity 7.9 cd/lm
LEDs/each optic 1
Light colour White

Required components:

۰

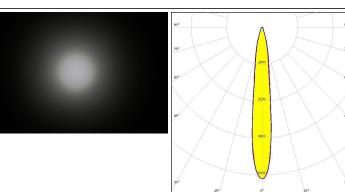








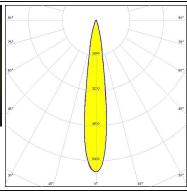






LED Z8Y22P
FWHM / FWTM 16.0° / 33.0°
Efficiency 93 %
Peak intensity 6.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:





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:

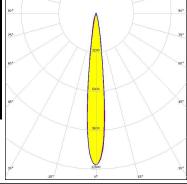
TRIDONIC

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



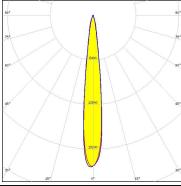




TRIDONIC

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

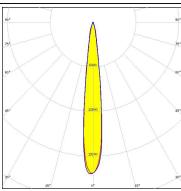


TRIDONIC

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:

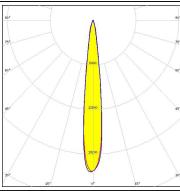


TRIDONIC

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





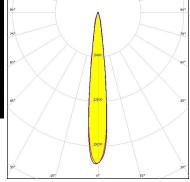
TRIDONIC

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
Required components:

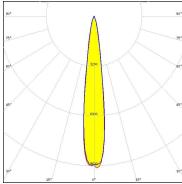








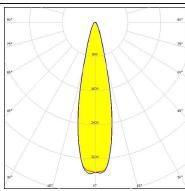
LED XHP35 HI
FWHM / FWTM 14.0° / 29.0°
Efficiency 93 %
Peak intensity 9.9 cd/lm
LEDs/each optic 1
Light colour White



CREE + LED

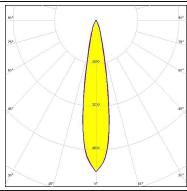
Required components:

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



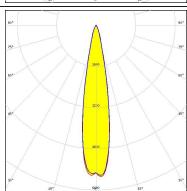
CREE - LED

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



CREE - LED

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:

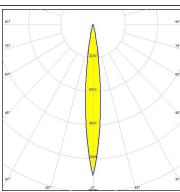




CREE . LED

LED XP-E2
FWHM / FWTM 12.0° / 26.0°
Efficiency 95 %
Peak intensity 14.4 cd/lm
LEDs/each optic 1

Light colour Red 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
Light colour White
Required components:

CREE \$\(\preceq\) LED

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

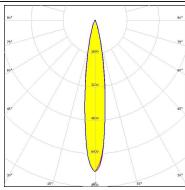
Protective plate, glass

Required components:

99°
99°
99°
99°
99°
99°
99°
99°

CREE + LED

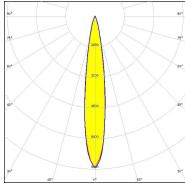
LED XP-G2 HE
FWHM / FWTM 16.0° / 34.0°
Efficiency 94 %
Peak intensity 7.3 cd/lm
LEDs/each optic 1
Light colour White





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

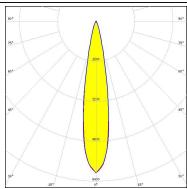


CREE - LED

Required components:

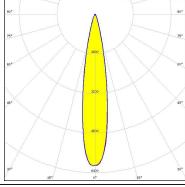
LED XP-L HD
FWHM / FWTM 18.0° / 34.0°
Efficiency 90 %
Peak intensity 6.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass



CREE - LED

LED XP-L HD
FWHM / FWTM 19.0° / 35.0°
Efficiency 94 %
Peak intensity 6.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

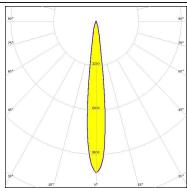


CREE - LED

Required components:

LED XP-L HI
FWHM / FWTM 13.0° / 25.0°
Efficiency 89 %
Peak intensity 10.9 cd/lm
LEDs/each optic 1
Light colour White

Protective plate, glass



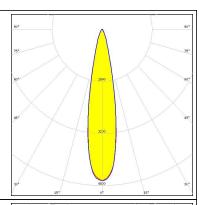


CREE 1 LED

LED XP-L2
FWHM / FWTM 20.0° / 40.0°
Efficiency 89 %
Peak intensity 4.7 cd/lm
LEDs/each optic 1
Light colour White

Light colour V
Required components:

Protective plate, glass



CREE & LED

 LED
 XP-P

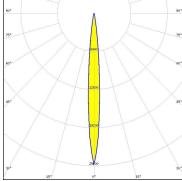
 FWHM / FWTM
 8.0° / 18.0°

 Efficiency
 95 %

 Peak intensity
 25.5 cd/lm

LEDs/each optic 1
Light colour White

Required components:



CREE + LED

 LED
 XQ-E HI

 FWHM / FWTM
 8.0° / 18.0°

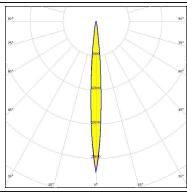
 Efficiency
 94 %

 Peak intensity
 28.3 cd/lm

 LEDs/each optic
 1

Light colour White

Required components:



DESCRIPTION LUMILEDS

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:

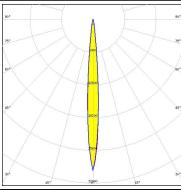


White



LED LUXEON CZ
FWHM / FWTM 8.0° / 16.0°
Efficiency 93 %
Peak intensity 29.6 cd/lm
LEDs/each optic 1

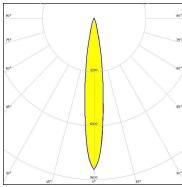
Light colour
Required components:



MUMILEDS

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:

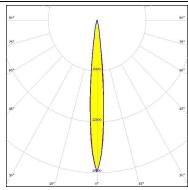


LUMILEDS

LED LUXEON IR Domed 150

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

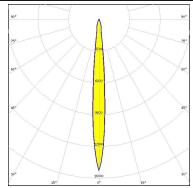
Light colour White Required components:



DESCRIPTION LUMILEDS

LED LUXEON IR Domed 60

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

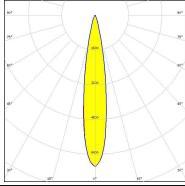






LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)

FWHM / FWTM 18.0° / 34.0° Efficiency 95 % Peak intensity 7 cd/lm LEDs/each optic Light colour White Required components:

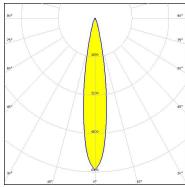


MUMILEDS

LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)

FWHM / FWTM 18.0° / 34.0° Efficiency 88 % Peak intensity 6.3 cd/lm LEDs/each optic 1 White Light colour Required components:

Protective plate, glass

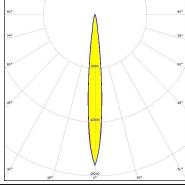


OSRAM Opto Semiconductors

Required components:

LED OSCONIQ C 2424 FWHM / FWTM 10.0° / 20.0 + 21.0°

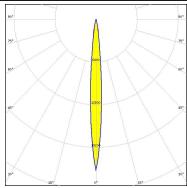
Efficiency 96 % Peak intensity 18 cd/lm LEDs/each optic 1 Light colour White



OSRAM

LED OSCONIQ P 3030

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





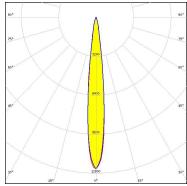
OSRAM

LED OSCONIQ P 3737 (2W version)

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

Light colour Required components:

Protective plate, glass

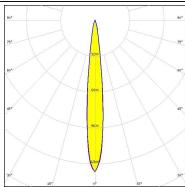


OSRAM

LED OSCONIQ P 3737 (2W version)

FWHM / FWTM 12.0° / 24.0° Efficiency 95 % Peak intensity 13.5 cd/lm LEDs/each optic 1 White Light colour

Required components:

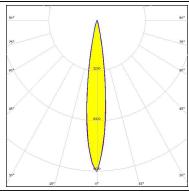


OSRAM Opto Semiconductors

OSLON Square CSSRM2/CSSRM3 LED

FWHM / FWTM 15.0° / 27.0° Efficiency 81 % Peak intensity 9.7 cd/lm LEDs/each optic 1 Light colour White Required components:

Protective plate, glass



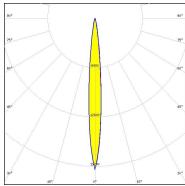
OSRAM

Light colour

LED OSLON Square Flat

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

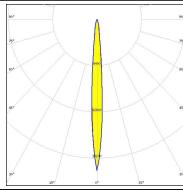
White





OSRAM

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



OSRAM

Required components:

Opto Semiconductor

LED OSTAR Projection Compact (Kx.CSLNM1.xx)

FWHM / FWTM 10.0° / 20.0°

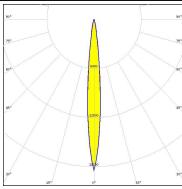
Efficiency 96 %

Peak intensity 19.8 cd/lm

LEDs/each optic 1

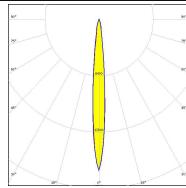
Light colour White

Required components:



OSRAM Opto Semicond

LED SFH 4715AS
FWHM / FWTM 9.2° / 21.0°
Efficiency %
LEDs/each optic 1
Light colour IR
Required components:



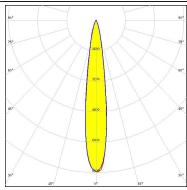
SAMSUNG

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

White

Required components:

Light colour



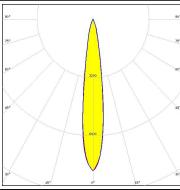


SAMSUNG

LH231B FWHM / FWTM 16.0° / 32.0° Efficiency 95 % Peak intensity 8.4 cd/lm

LEDs/each optic Light colour White

Required components:

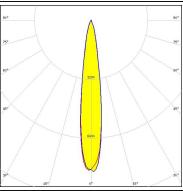


SAMSUNG

LED LH231B FWHM / FWTM 16.0° / 32.0° Efficiency 95 % Peak intensity 8.3 cd/lm

LEDs/each optic 1 White Light colour

Required components:

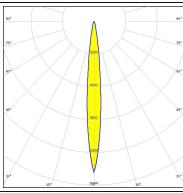


SAMSUNG

LED LM301B FWHM / FWTM 10.0° / 24.0° Efficiency 94 % Peak intensity 14.8 cd/lm

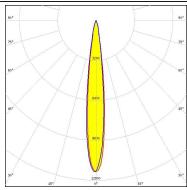
LEDs/each optic 1 Light colour White

Required components:

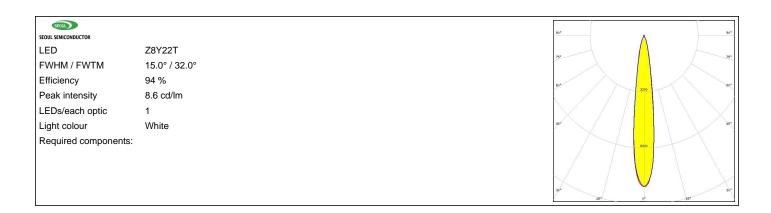




LED Z5M1/Z5M2 FWHM / FWTM 13.0° / 26.0° Efficiency 92 % Peak intensity 12.1 cd/lm LEDs/each optic White Light colour









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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Distribution Partners

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