

HB-2X2-WW

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

SPECIFICATION:

 $\begin{array}{ccc} \text{Dimensions} & & 50.0 \text{ x } 50.0 \text{ mm} \\ \text{Height} & & 8.5 \text{ mm} \\ \text{Fastening} & & \text{pin, screw} \\ \text{ROHS compliant} & & \text{yes} & \end{array}$



MATERIALS:

ComponentTypeMaterialColourFinishHB-2X2-WWMulti-lensPMMAclear

ORDERING INFORMATION:

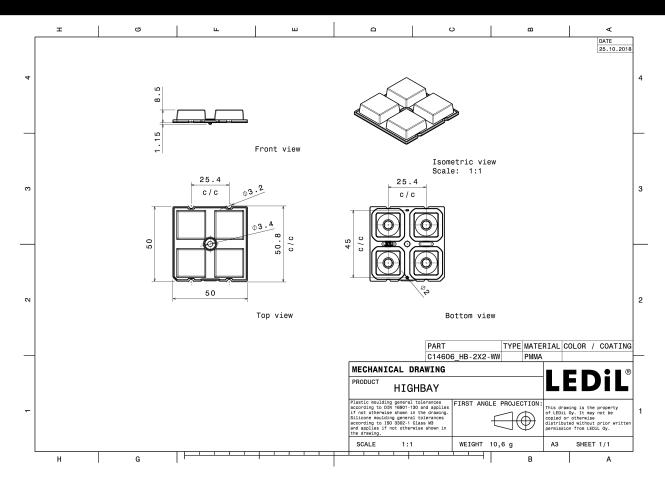
 Component
 Qty in box
 MOQ
 MPQ
 Box weight (kg)

 C14606_HB-2X2-WW
 800
 160
 9.2

» Box size: 480 x 280 x 300 mm

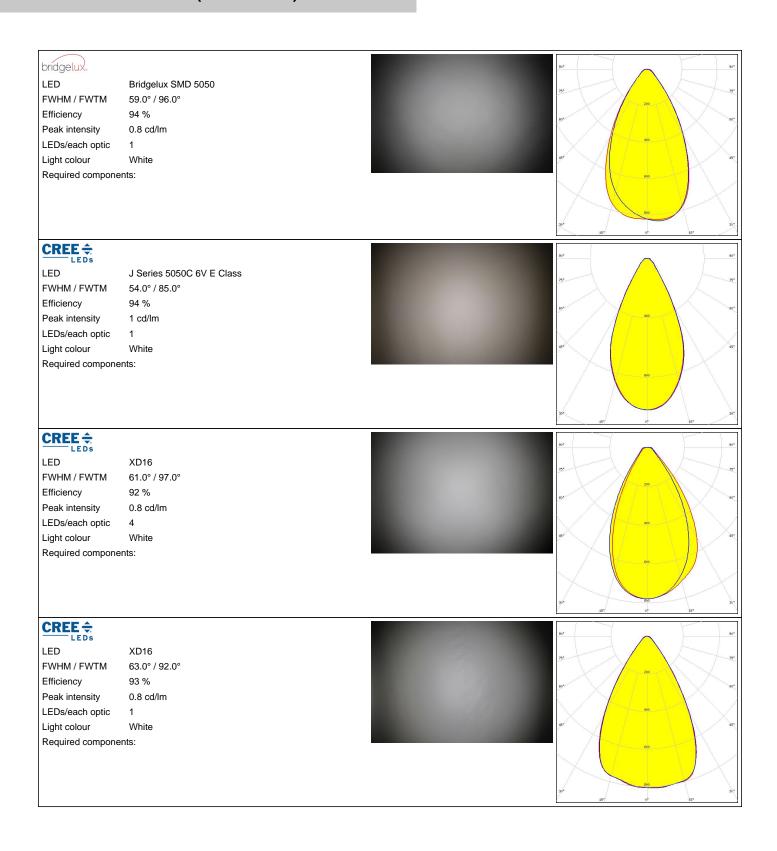


PRODUCT DATASHEET C14606_HB-2X2-WW

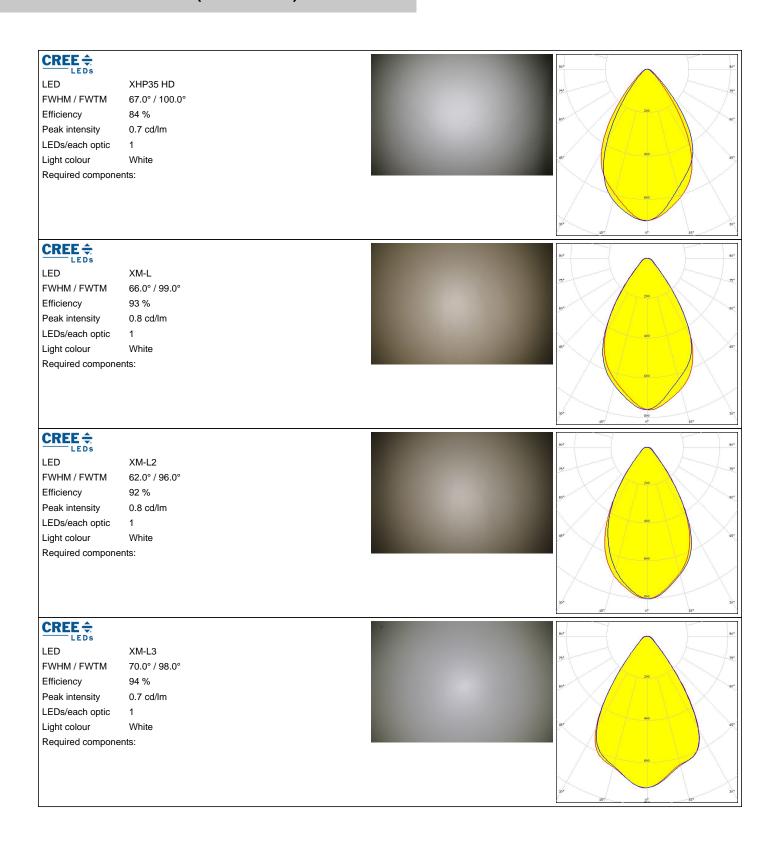


See also our general installation guide: www.ledil.com/installation_guide

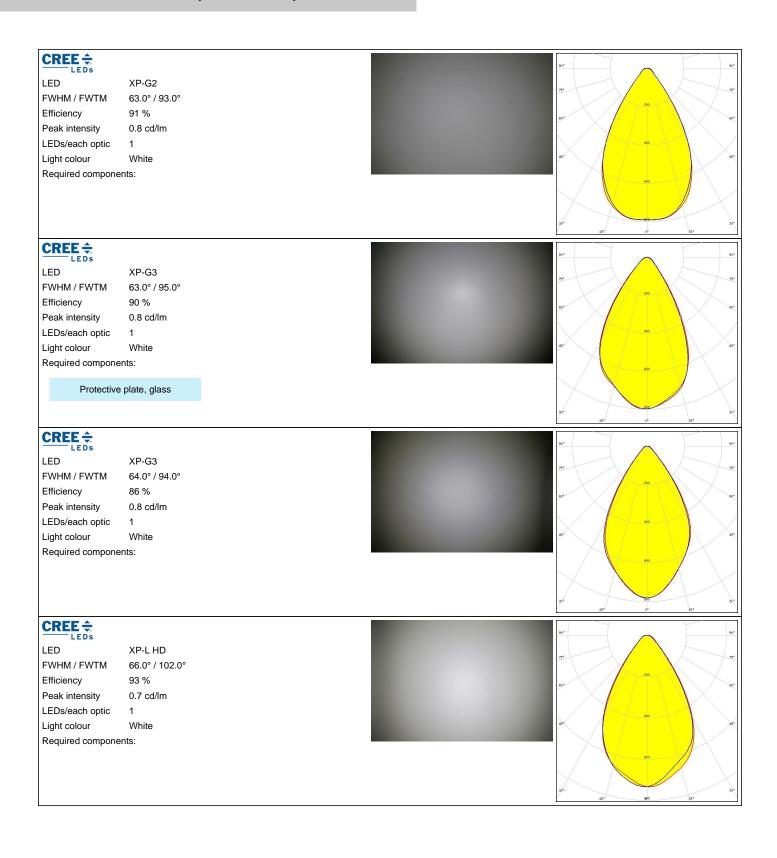




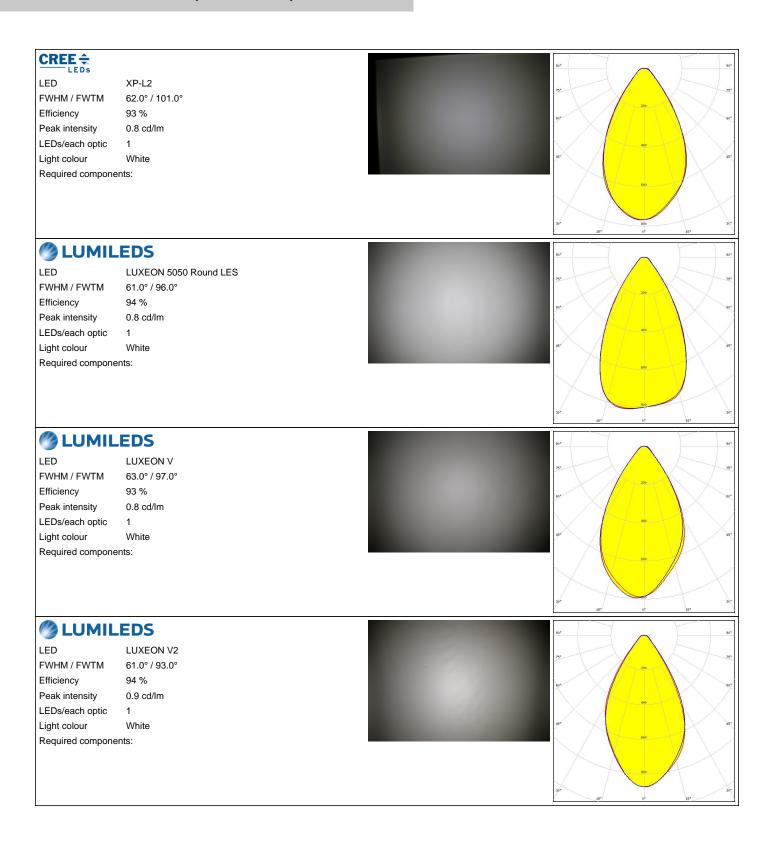




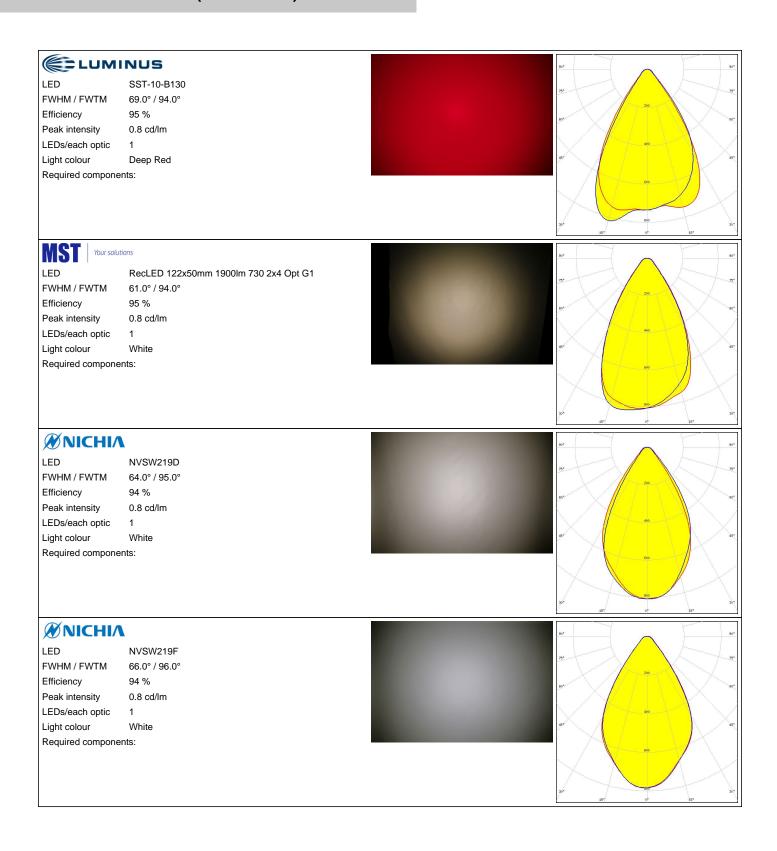




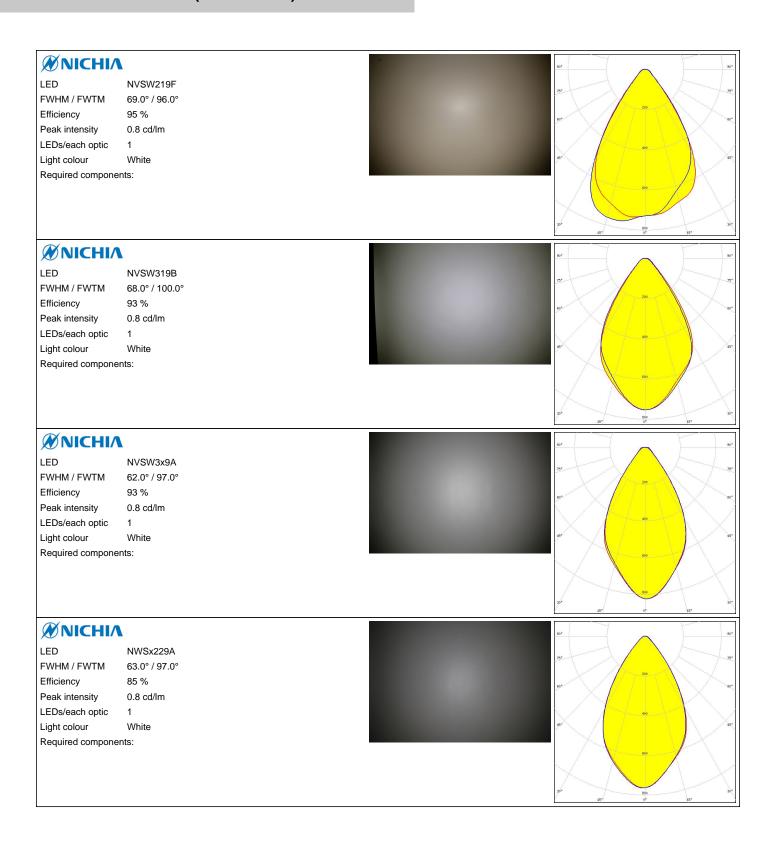




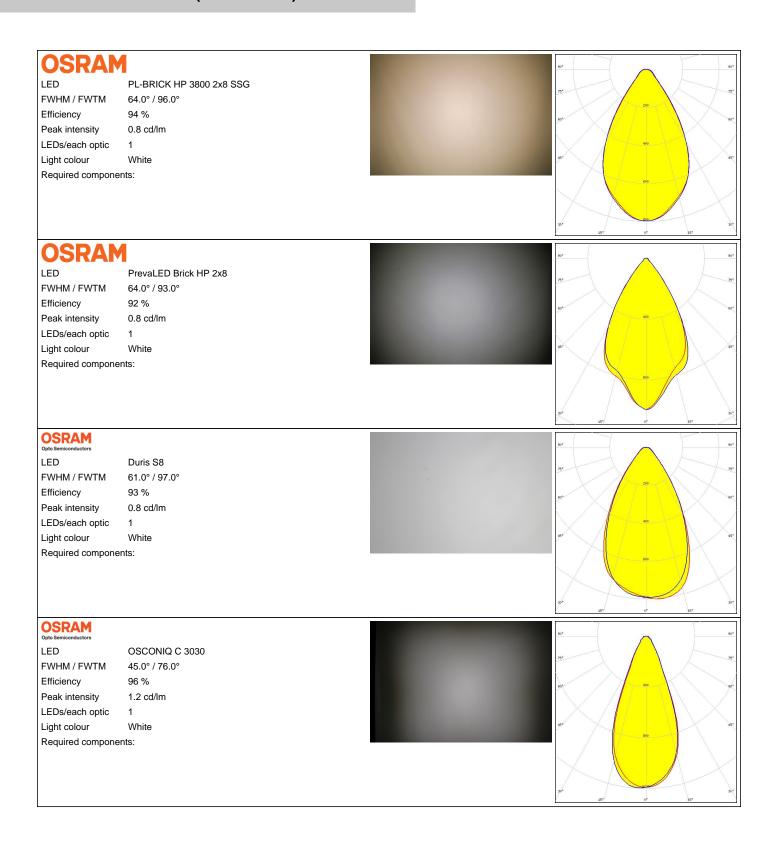




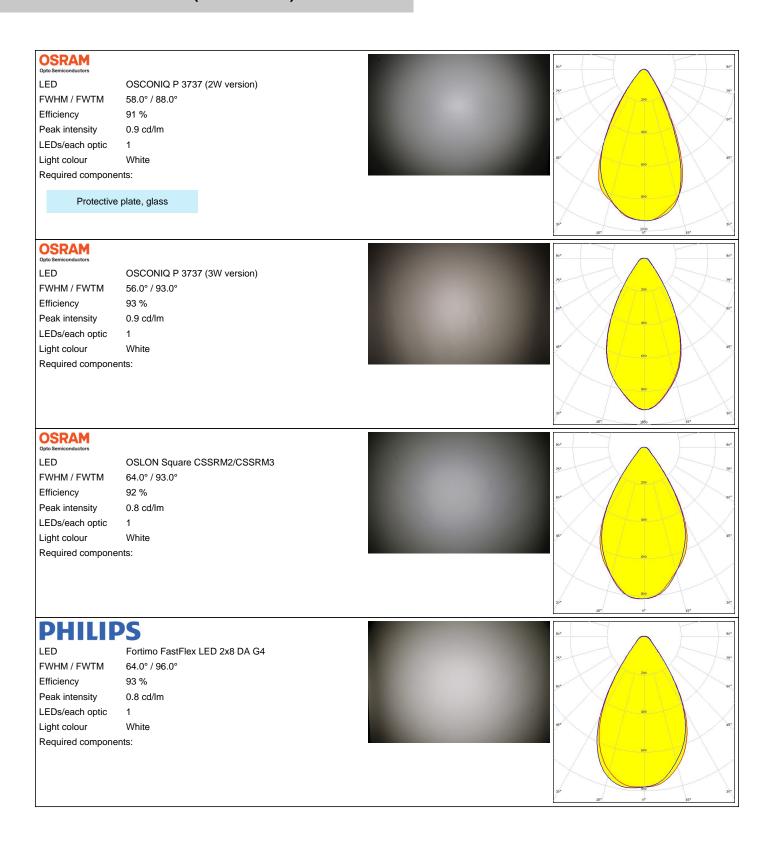










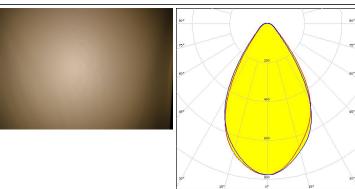




PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4+

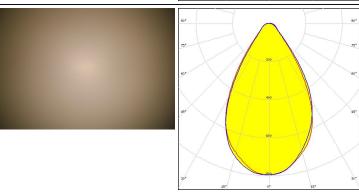
FWHM / FWTM 64.0° / 101.0°
Efficiency 95 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHILIPS

LED Fortimo FastFlex LED 2x8 DA G5

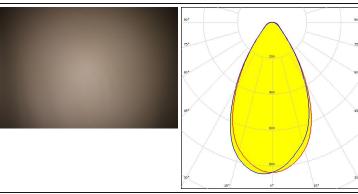
FWHM / FWTM 64.0° / 97.0°
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHILIPS

LED Fortimo FastFlex LED 2x8 DA HE

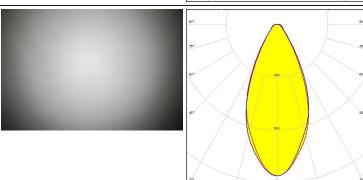
FWHM / FWTM 59.0° / 97.0°
Efficiency 95 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

LED HILOM RC12 Z (LH181B)

FWHM / FWTM 48.0° / 85.0°
Efficiency 96 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



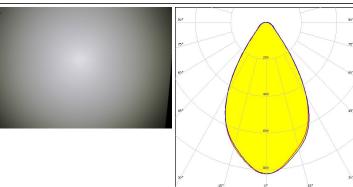


SAMSUNG

LED HiLOM RH12 Z (LH351C)

FWHM / FWTM 62.0° / 97.0°
Efficiency 95 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White

Required components:



SAMSUNG

LED HILOM RH16 (LH351C)

FWHM / FWTM 61.0° / 96.0°

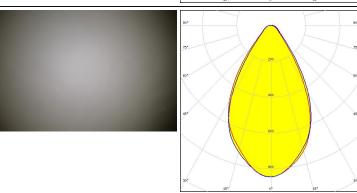
Efficiency 94 %

Peak intensity 0.9 cd/lm

LEDs/each optic 1

Light colour White

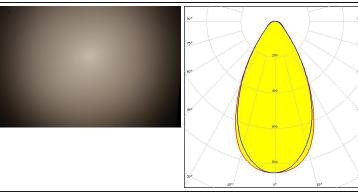
Required components:



SAMSUNG

LED HILOM RM12 Z (LH502C)

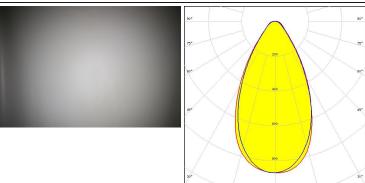
FWHM / FWTM 57.0° / 98.0°
Efficiency 94 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



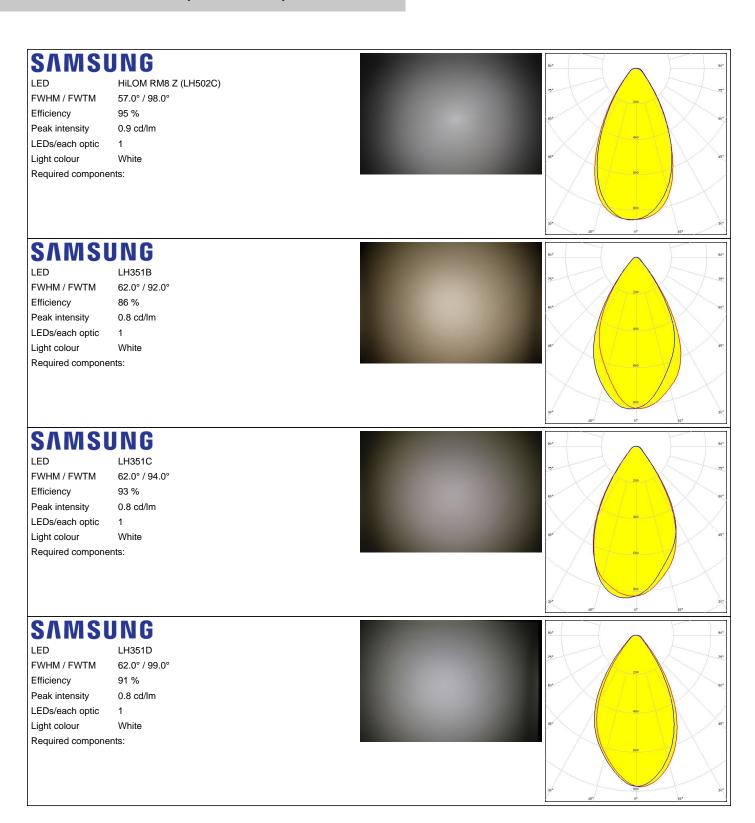
SAMSUNG

LED HILOM RM16 Z (LH502C)

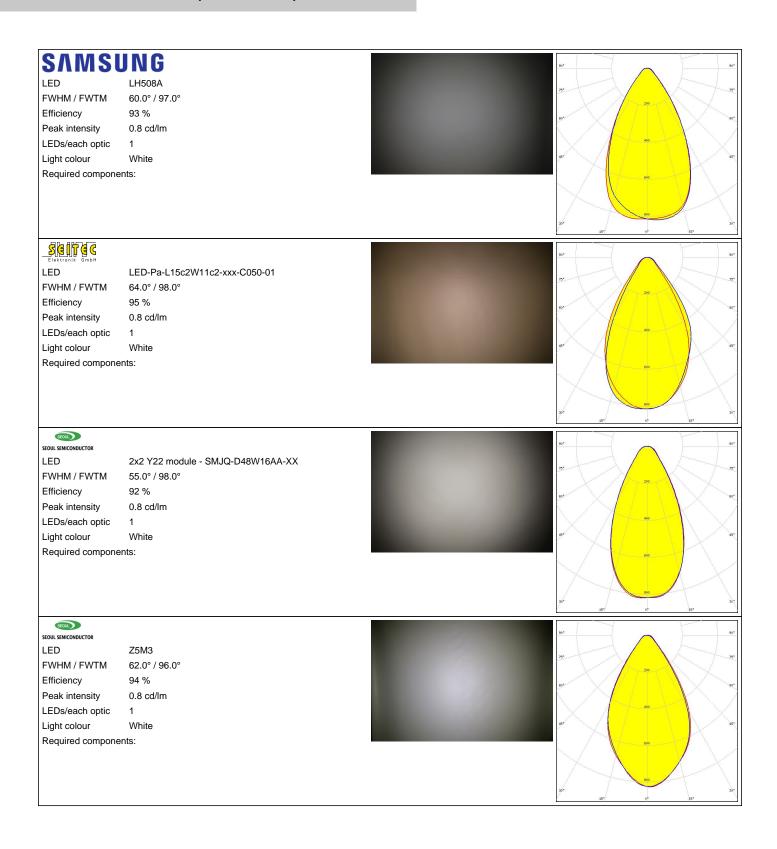
FWHM / FWTM 57.0° / 97.0°
Efficiency 95 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



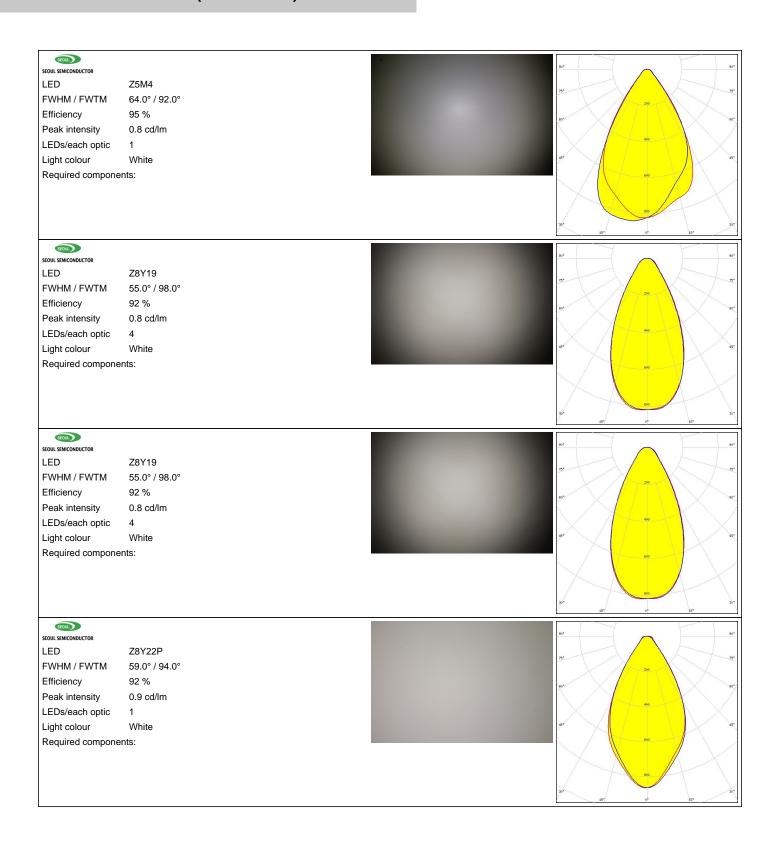














TRIDONIC

LED RLE 2x4 2000lm HP EXC2 OTD

FWHM / FWTM 61.0° / 96.0°
Efficiency 94 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White

TRIDONIC

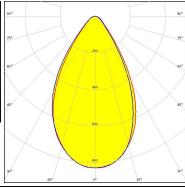
Required components:

LED RLE 2x4 2000lm HP EXC2 OTD

FWHM / FWTM 61.0° / 95.0°
Efficiency 89 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass



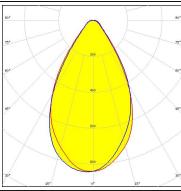


TRIDONIC

LED RLE 2x8 4000lm HP EXC2 OTD

FWHM / FWTM 61.0° / 96.0°
Efficiency 94 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

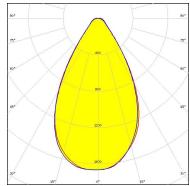




TRIDONIC

LED RLE G1 49x121mm 2000lm xxx EXC OTD

FWHM / FWTM 61.0° / 96.0°
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

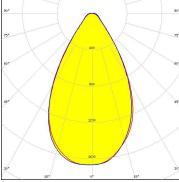




TRIDONIC

LED RLE G1 49x133mm 2000lm xxx EXC OTD

FWHM / FWTM 61.0° / 96.0°
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White

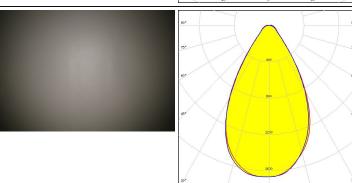


TRIDONIC

Required components:

LED RLE G1 49x223mm 4000lm xxx EXC OTD

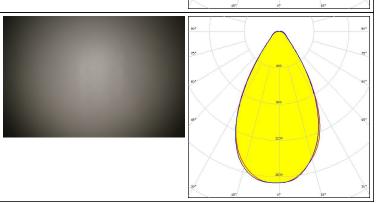
FWHM / FWTM 61.0° / 96.0°
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



TRIDONIC

LED RLE G1 49x245mm 4000lm xxx EXC OTD

FWHM / FWTM 61.0° / 96.0°
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:





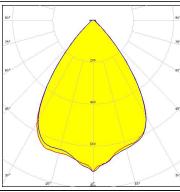
CREE &

LED XP-G2 HE FWHM / FWTM 73.0° / 97.0°

Efficiency 95 %
Peak intensity 0.7 cd/lm

LEDs/each optic 1
Light colour White

Required components:



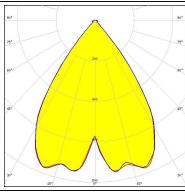
CREE \$

LED XP-G4 FWHM / FWTM 72.0 $^{\circ}$ / 86.0 $^{\circ}$

White

Efficiency 96 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1

Required components:



CREE +

Light colour

LED XP-G4
FWHM / FWTM 72.0° / 86.0°

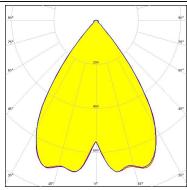
Efficiency 88 %

Peak intensity 0.7 cd/lm

LEDs/each optic 1

Light colour White Required components:

Protective plate, glass



CREE -

 LED
 XP-L HD

 FWHM / FWTM
 72.0° / 94.0°

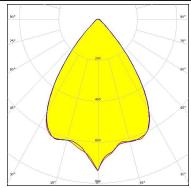
 Efficiency
 90 %

 Peak intensity
 0.7 cd/lm

 LEDs (seek partial)
 1

LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass





White

CREE \$

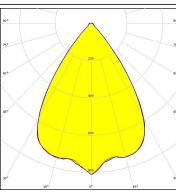
LED XP-L HI

FWHM / FWTM 70.0° / 90.0°

Efficiency 96 %
Peak intensity 0.8 cd/lm

LEDs/each optic 1

Light colour
Required components:



CREE \$

LED XP-L HI

FWHM / FWTM 70.0° / 90.0°

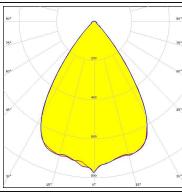
Efficiency 91 %
Peak intensity 0.8 cd/lm

LEDs/each optic 1

Light colour White

Protective plate, glass

Required components:



CREE \$

LED XP-L2

FWHM / FWTM 74.0° / 98.0°

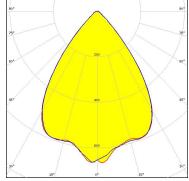
Efficiency 89 %

Peak intensity 0.7 cd/lm LEDs/each optic 1

Light colour White

Required components:

Protective plate, glass



CREE \$

LED XP-P

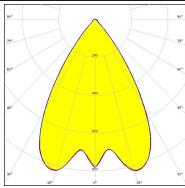
FWHM / FWTM 66.0° / 86.0° Efficiency 91 %

Peak intensity 0.8 cd/lm LEDs/each optic 1

Light colour White

Required components:

Protective plate, glass





CREE &

LED XT-E

FWHM / FWTM

69.0° / 90.0°

Efficiency

94 %

Peak intensity

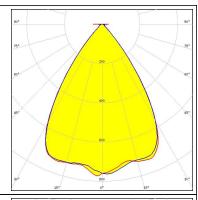
0.8 cd/lm

LEDs/each optic

Light colour

White

Required components:



LUMILEDS

LED

LUXEON 3535L

FWHM / FWTM

66.0° / 89.0°

Efficiency

94 %

Peak intensity

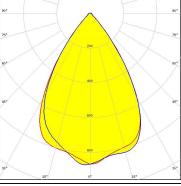
0.9 cd/lm

LEDs/each optic

1

Light colour Required components:

White



LUMILEDS

LED

LUXEON 5050 Square LES

FWHM / FWTM

70.0° / 96.0°

Efficiency

86 %

Peak intensity

0.7 cd/lm

LEDs/each optic

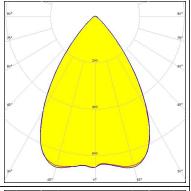
1

Light colour

White

Required components:

Protective plate, glass



LUMILEDS

LED

Efficiency

LUXEON HL2X

FWHM / FWTM

72.0° / 94.0°

Peak intensity

90 %

LEDs/each optic

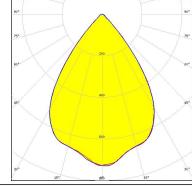
0.7 cd/lm

Light colour

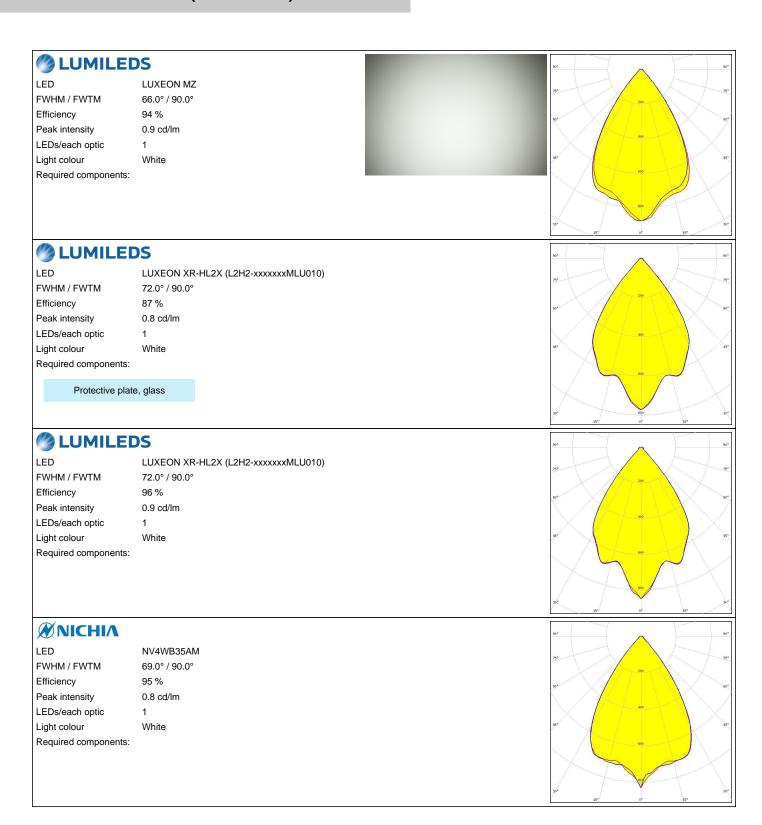
White

Required components:

Protective plate, glass







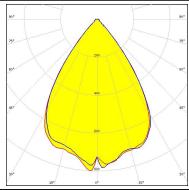


WNICHIA

LED NVSxx19B/NVSxx19C

FWHM / FWTM 70.0° / 90.0° Efficiency 95 % Peak intensity 0.8 cd/lm LEDs/each optic Light colour White

Required components:

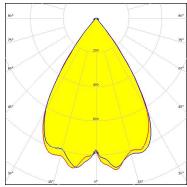


OSRAM

LED OSCONIQ C 2424 FWHM / FWTM 66.0 + 68.0° / 82.0°

Efficiency 96 % Peak intensity 0.9 cd/lm LEDs/each optic 1 White Light colour

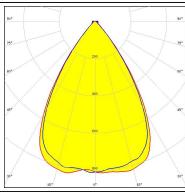
Required components:



OSRAM Opto Semiconductors

LED OSCONIQ P 3030 FWHM / FWTM 66.0° / 88.0° Efficiency 96 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour White

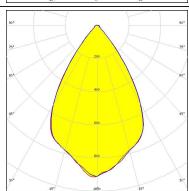
Required components:



OSRAM

LED OSCONIQ P 3737 Flat

FWHM / FWTM 64.0° / 88.0° Efficiency 95 % Peak intensity 0.9 cd/lm LEDs/each optic White Light colour Required components:





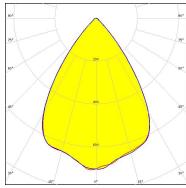
OSRAM

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM 70.0° / 92.0° Efficiency 86 % Peak intensity 0.7 cd/lm LEDs/each optic Light colour White

Required components:

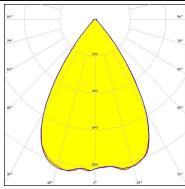
Protective plate, glass



OSRAM

LED OSLON Square Flat FWHM / FWTM 68.0° / 86.0° Efficiency 95 % Peak intensity 0.9 cd/lm LEDs/each optic 1 White Light colour

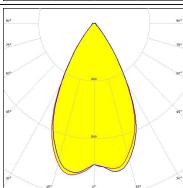
Required components:



OSRAM Opto Semiconductors

LED OSLON SSL 80 FWHM / FWTM 55.6° / 81.2° Efficiency 94 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White

Required components:



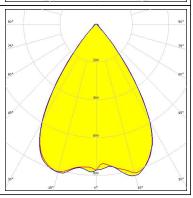
OSRAM

LED

OSTAR Projection Compact (KW.CSLNM1.TG)

FWHM / FWTM 68.0° / 88.0° Efficiency 96 % Peak intensity 0.8 cd/lm LEDs/each optic White Light colour

Required components:



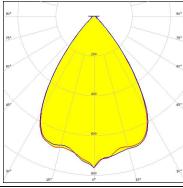


PHILIPS

LED Fortimo FastFlex LED 2x8 DAX G4

FWHM / FWTM 71.0° / 94.0°
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White

Required components:

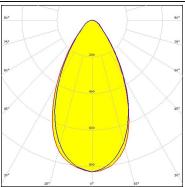


SAMSUNG

LED HILOM RM16 Z (LH502C)

FWHM / FWTM 56.0° / 98.0°
Efficiency 88 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass

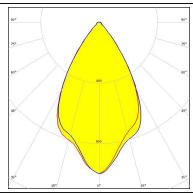


SAMSUNG

LED LH231B
FWHM / FWTM 60.0° / 87.0°
Efficiency 94 %
Peak intensity 1 cd/lm
LEDs/each optic 4

Required components:

Required components:



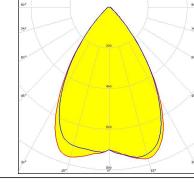


Light colour

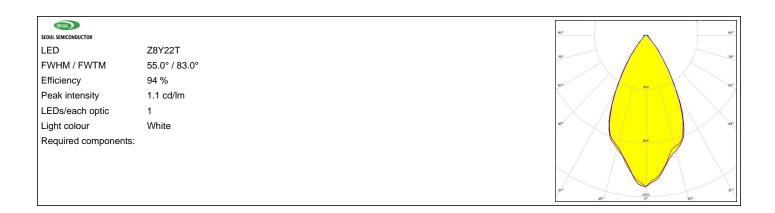
LED SEOUL DC 5050 6V

White

FWHM / FWTM 64.0° / 93.0°
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White









PRODUCT DATASHEET C14606_HB-2X2-WW

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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