

HB-2X2-W

~50° wide beam

SPECIFICATION:

Dimensions 50.0 x 50.0 mm Height 8.5 mm

Fastening glue, pin, screw

ROHS compliant yes ¹



MATERIALS:

Component Type Material Colour Finish

HB-2X2-W Multi-lens PMMA clear

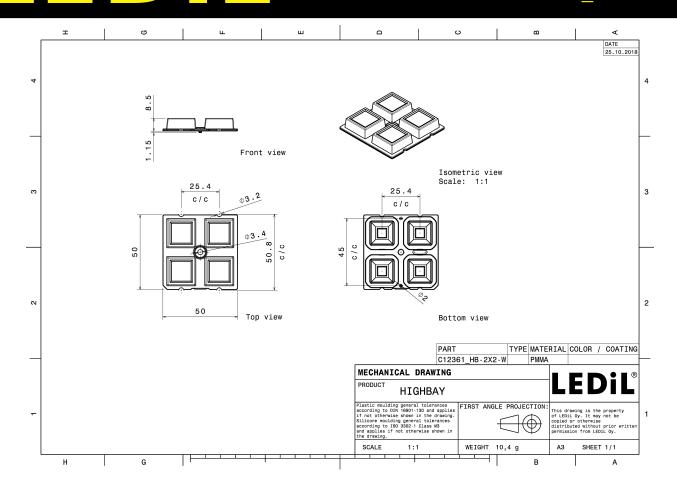
ORDERING INFORMATION:

» Box size: 480 x 280 x 300 mm

Component Qty in box MOQ MPQ Box weight (kg)

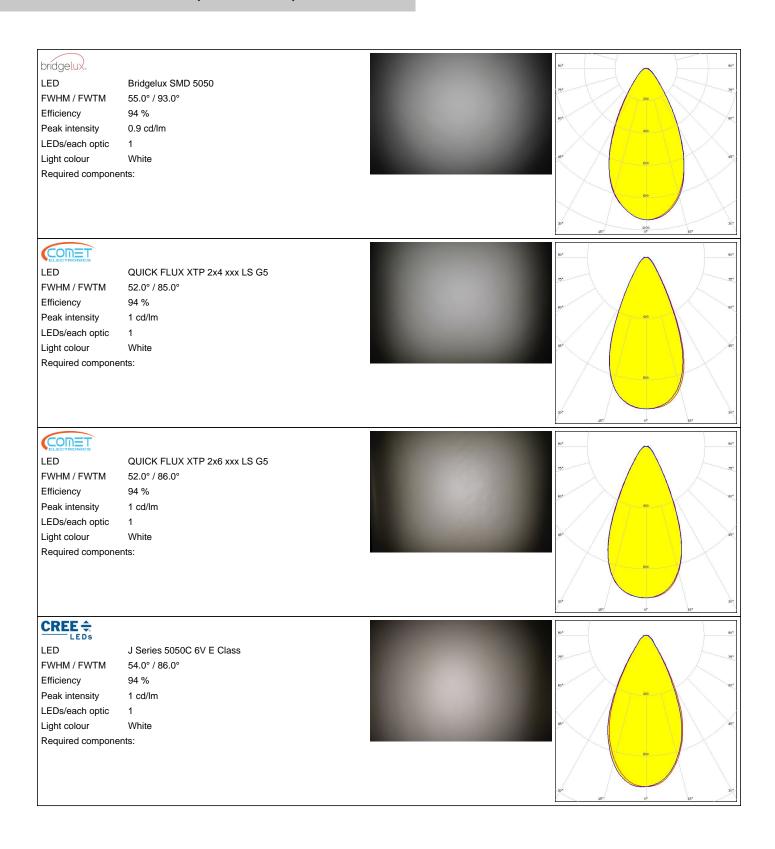
C12361_HB-2X2-W 800 160 160 9.1

PRODUCT DATASHEET C12361_HB-2X2-W

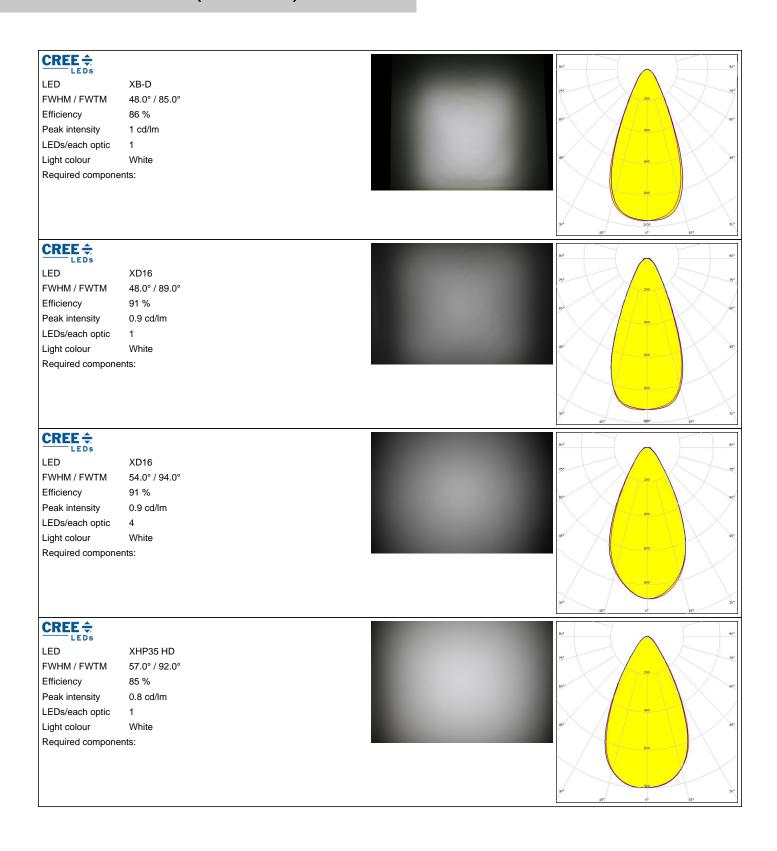


See also our general installation guide: www.ledil.com/installation_guide

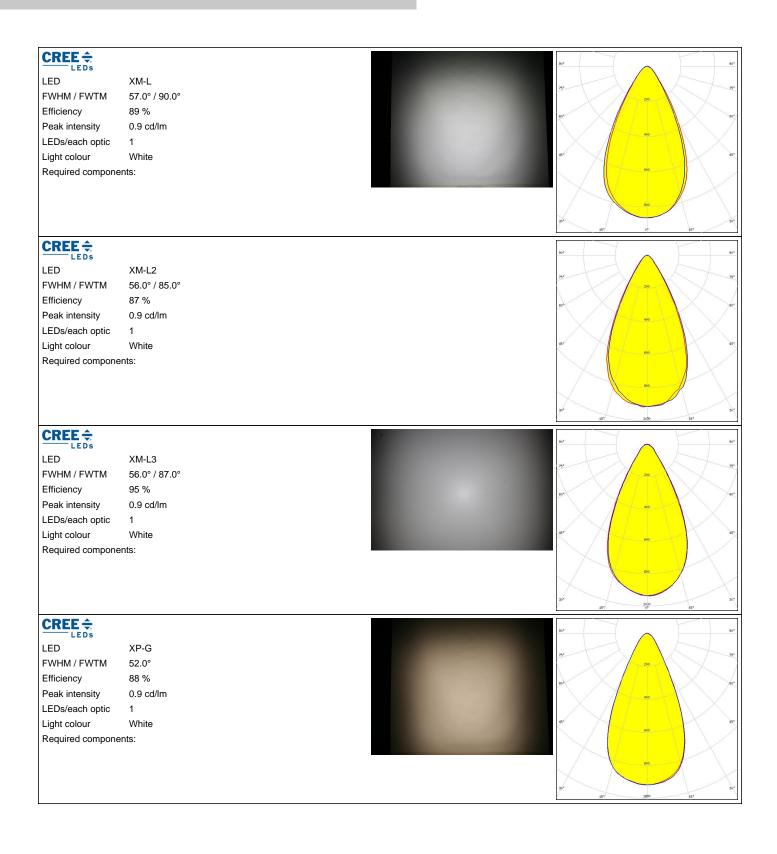




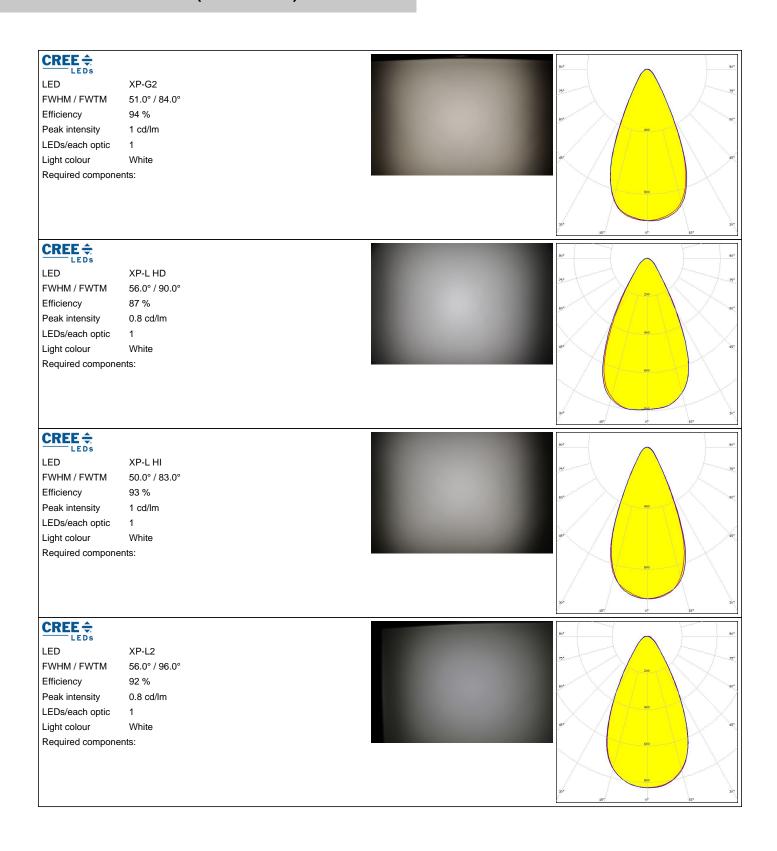




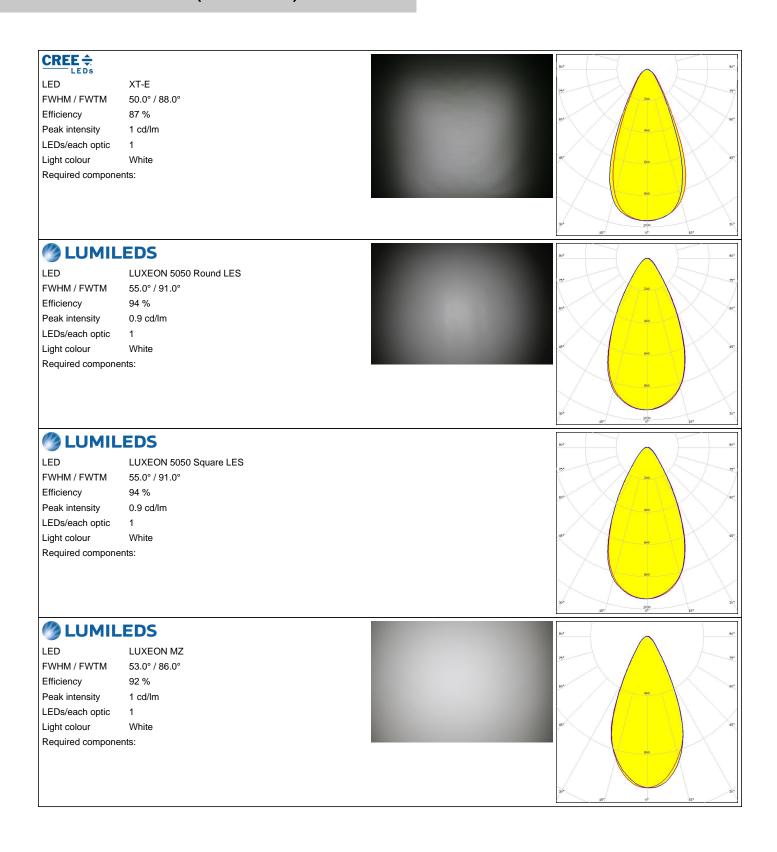




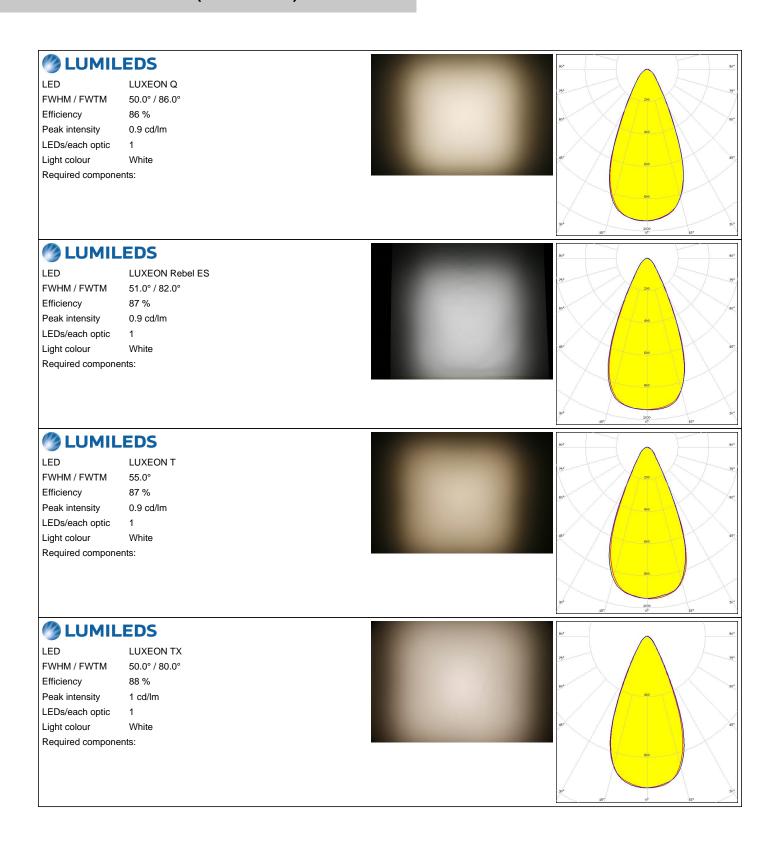




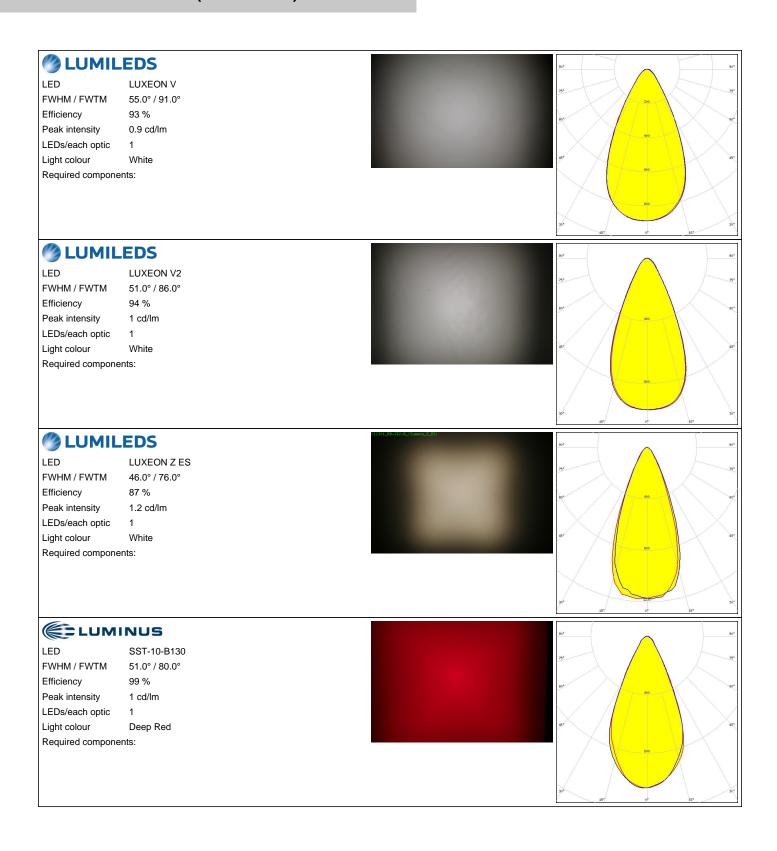




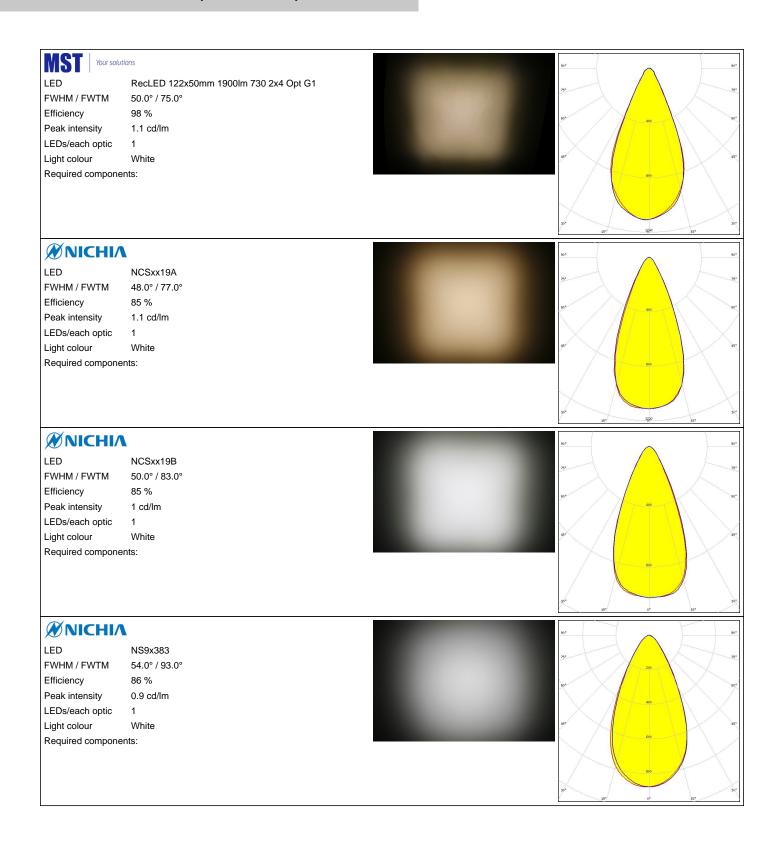




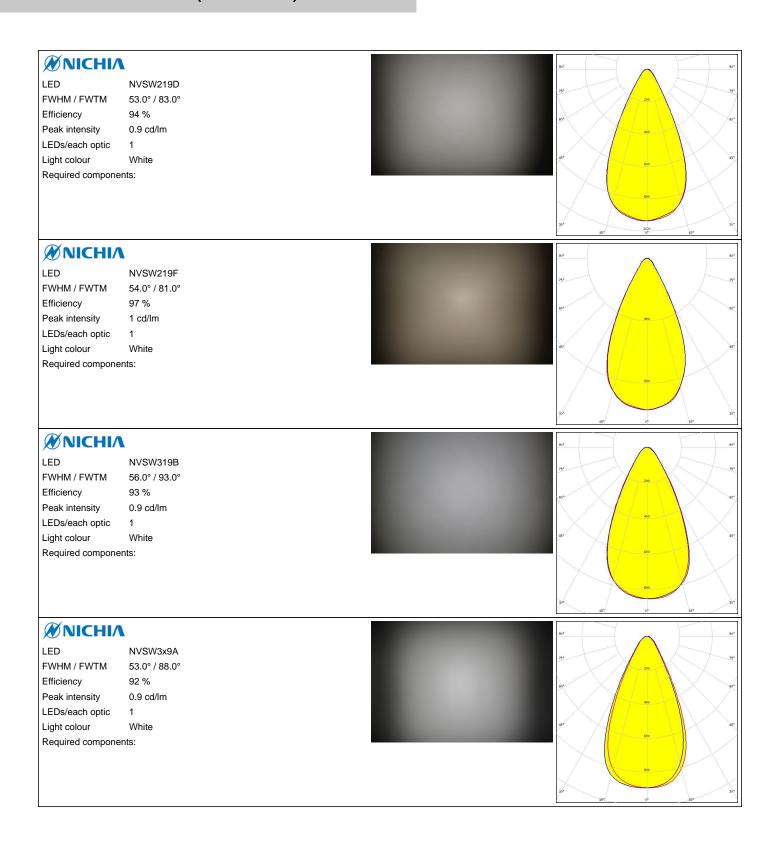




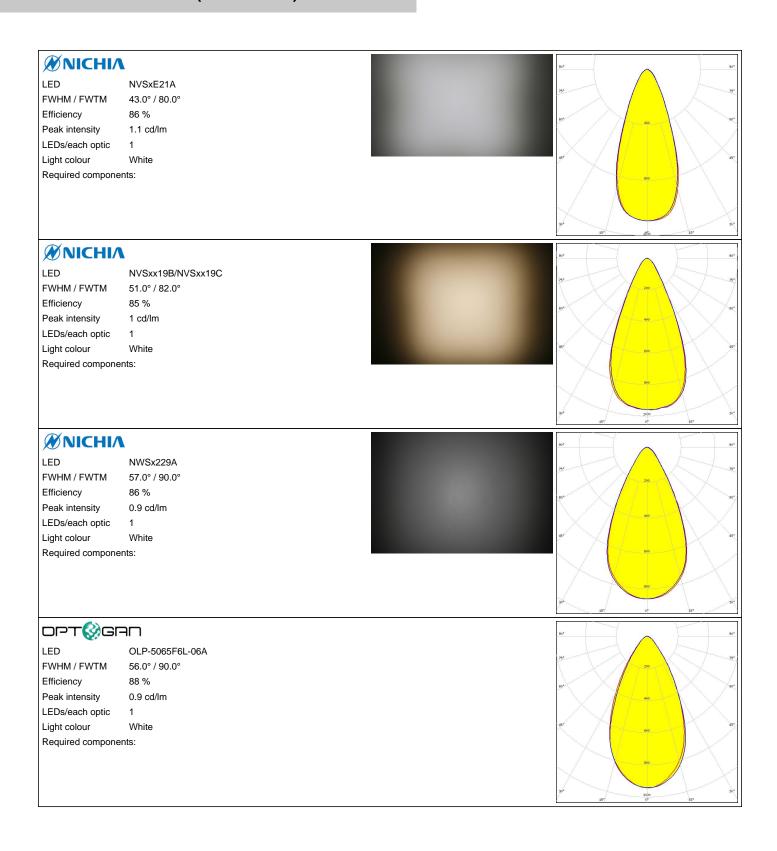




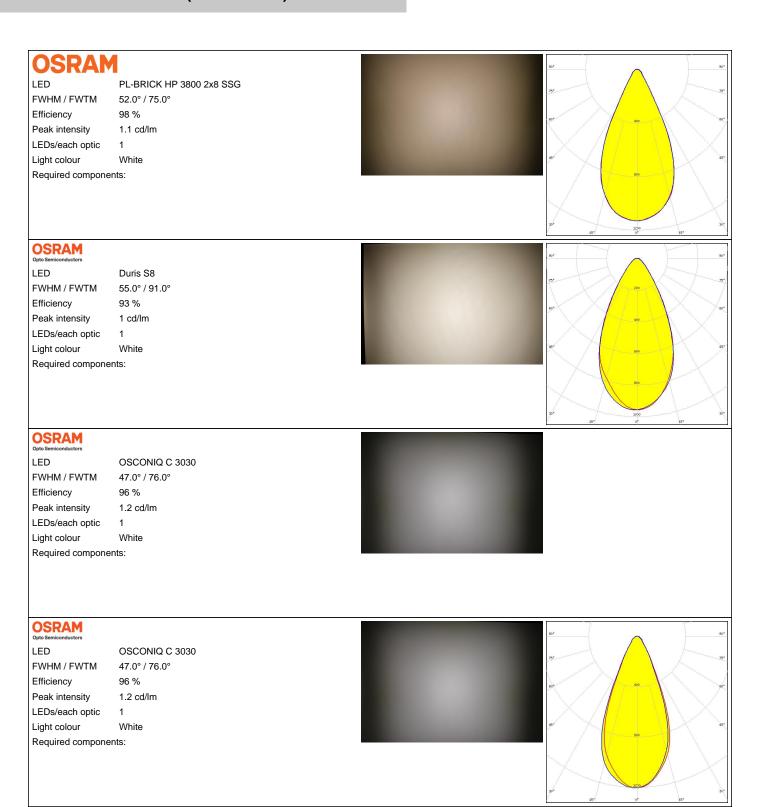




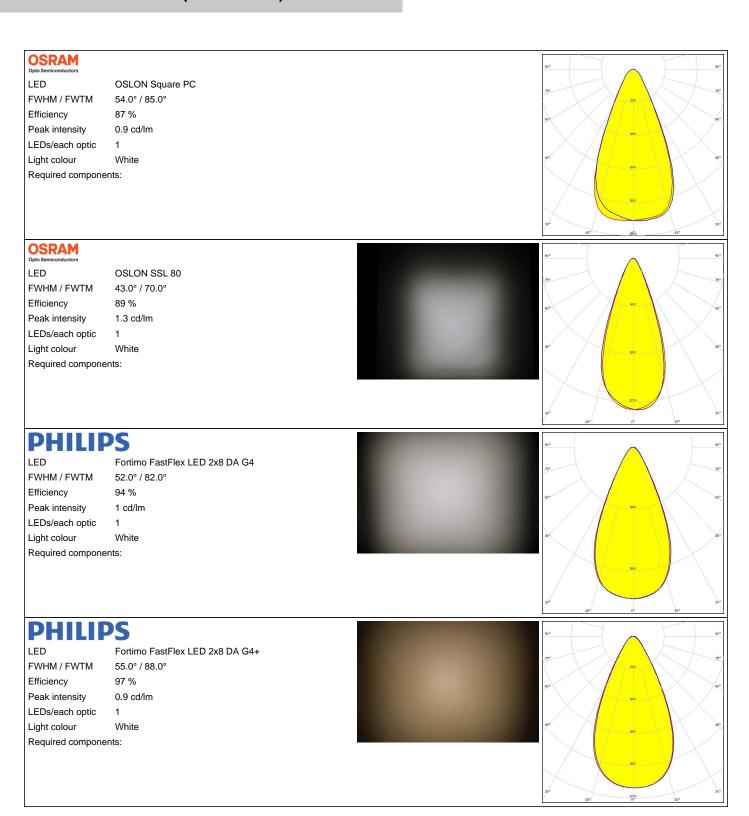










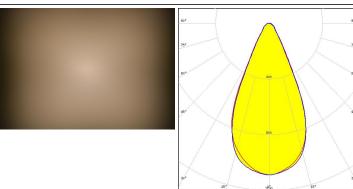




PHILIPS

LED Fortimo FastFlex LED 2x8 DA G5

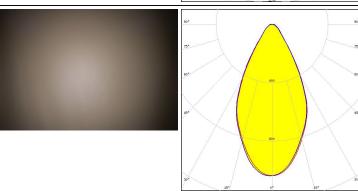
FWHM / FWTM 50.0° / 77.0°
Efficiency 97 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHILIPS

LED Fortimo FastFlex LED 2x8 DA HE

FWHM / FWTM 54.0° / 87.0°
Efficiency 97 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

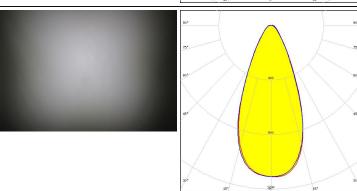


SAMSUNG

LED HILOM RC12 Z (LH181B)

FWHM / FWTM 46.0° / 84.0°
Efficiency 97 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White

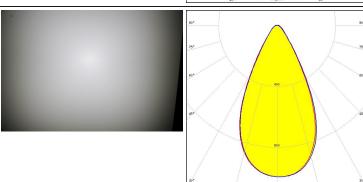
Required components:



SAMSUNG

LED HILOM RH12 Z (LH351C)

FWHM / FWTM 54.0° / 84.0°
Efficiency 96 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

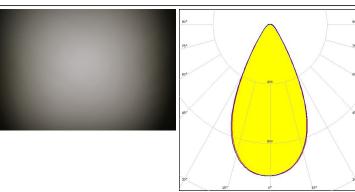




SAMSUNG

LED HILOM RH16 (LH351C)

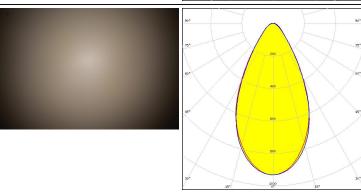
FWHM / FWTM 53.0° / 83.0°
Efficiency 94 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

LED HiLOM RM12 Z (LH502C)

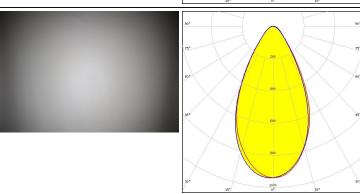
FWHM / FWTM 55.0° / 94.0°
Efficiency 94 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

LED HILOM RM16 Z (LH502C)

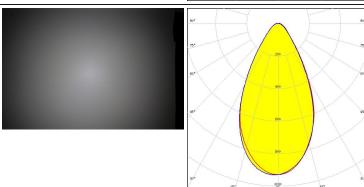
FWHM / FWTM 55.0° / 95.0°
Efficiency 96 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



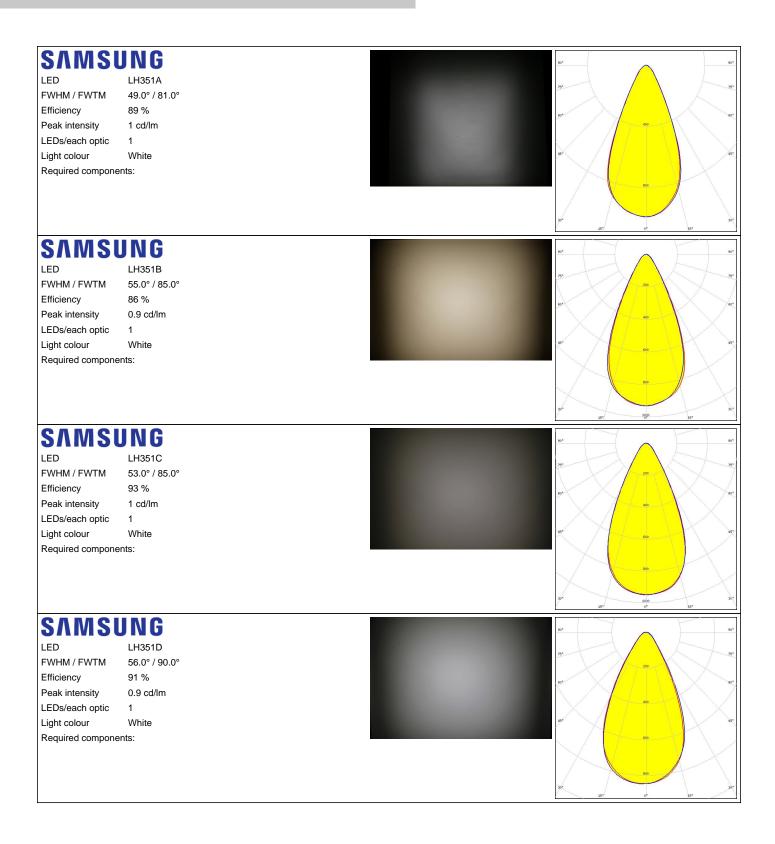
SAMSUNG

LED HILOM RM8 Z (LH502C)

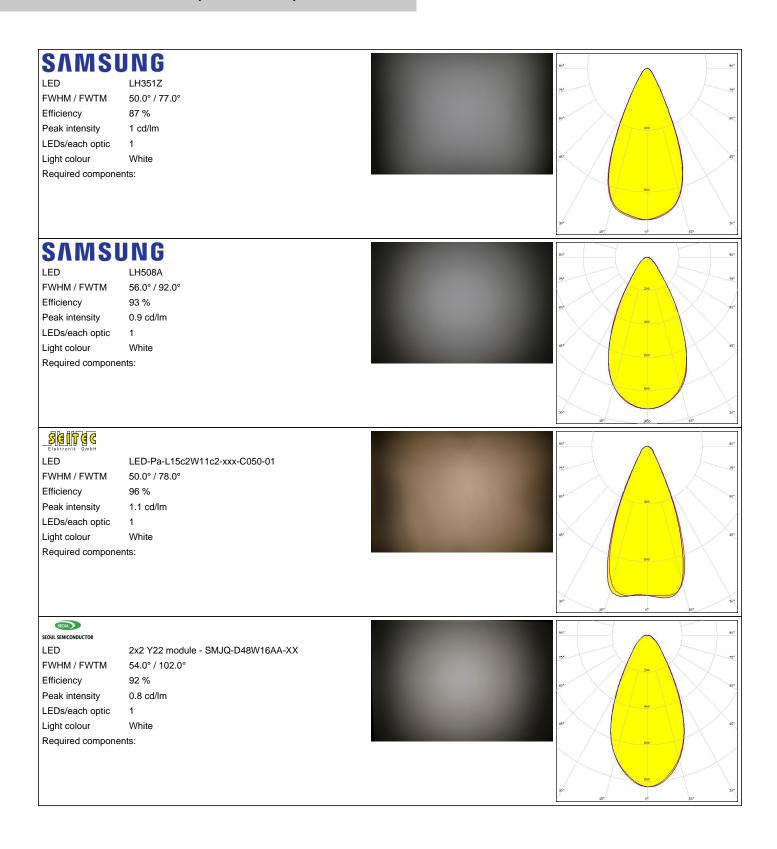
FWHM / FWTM 56.0° / 95.0°
Efficiency 96 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



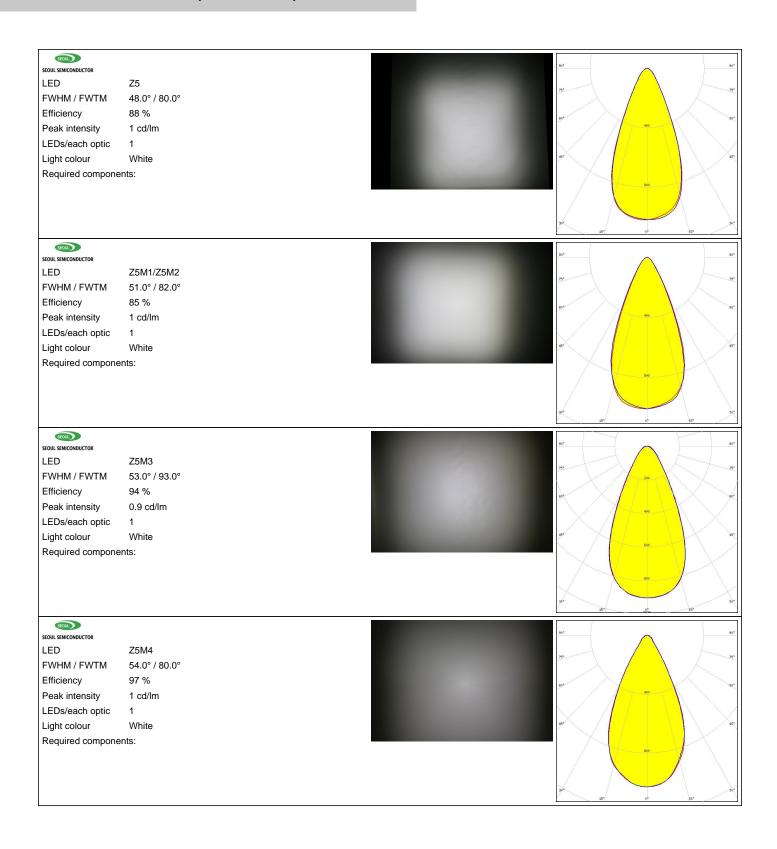




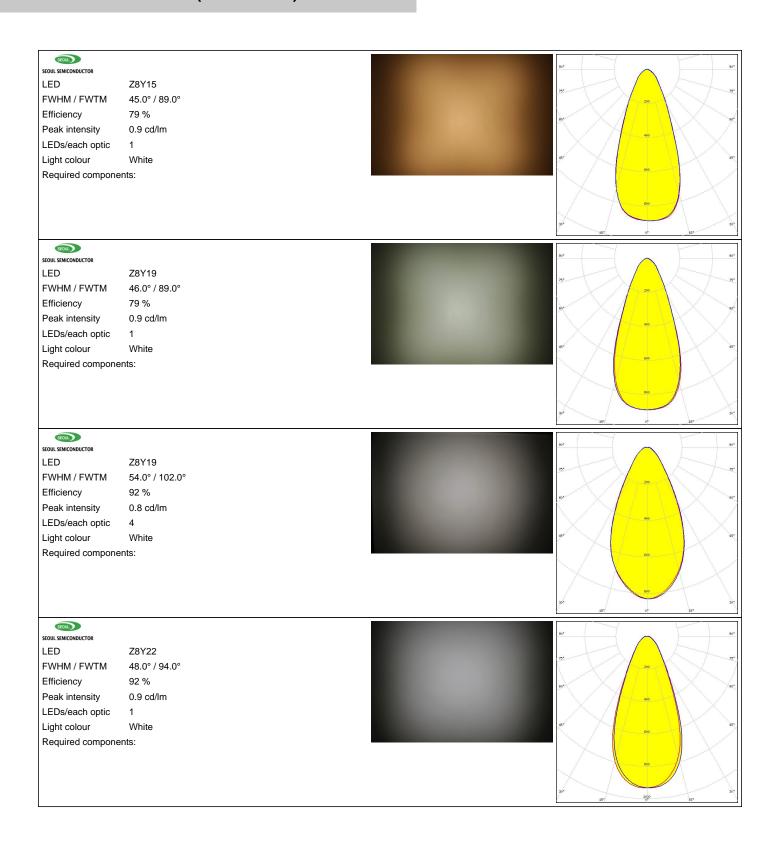




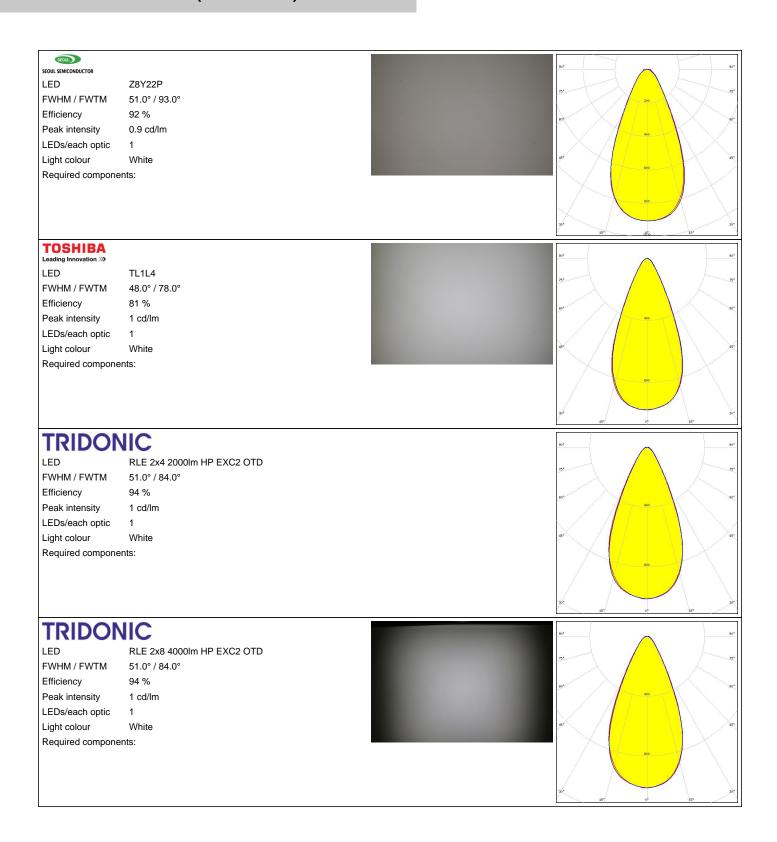










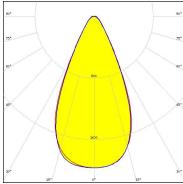




TRIDONIC

LED RLE G1 49x121mm 2000lm xxx EXC OTD

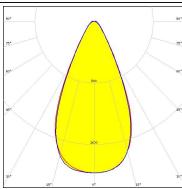
FWHM / FWTM 52.0° / 83.0°
Efficiency 94 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



TRIDONIC

LED RLE G1 49x133mm 2000lm xxx EXC OTD

FWHM / FWTM 52.0° / 83.0°
Efficiency 94 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

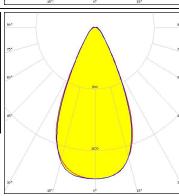


TRIDONIC

LED RLE G1 49x223mm 4000lm xxx EXC OTD

FWHM / FWTM 52.0° / 83.0°
Efficiency 94 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



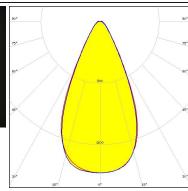


TRIDONIC

LED RLE G1 49x245mm 4000lm xxx EXC OTD

FWHM / FWTM 52.0° / 83.0°
Efficiency 94 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:





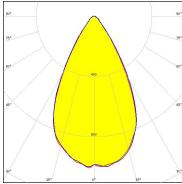




LED

J Series 5050 Round LES

FWHM / FWTM 57.0° / 84.0°
Efficiency 94 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

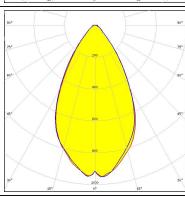


CREE &

LED FWHM / FWTM MHB-A/B 58.0° / 93.0°

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

Required components:



CREE +

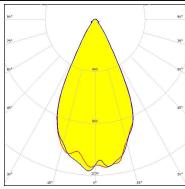
LED

XHP35 HI

FWHM / FWTM 52.0° / 73.0° Efficiency 93 %

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

Required components:

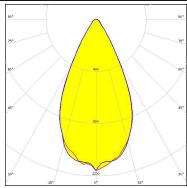


CREE \$

LED XM-L RGBW (XMLDCL HI)

FWHM / FWTM 52.0° / 78.0°
Efficiency 95 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour RGBW

Required components:







LED X

XP-E

FWHM / FWTM

50.0° / 68.0°

Efficiency Peak intensity 94 % 1.2 cd/lm

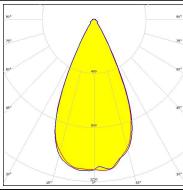
LEDs/each optic

_ 00/1111

Light colour

White

Required components:



CREE \$

LED

XP-E2

FWHM / FWTM

48.0° / 70.0°

Efficiency

96 %

Peak intensity

1.2 cd/lm

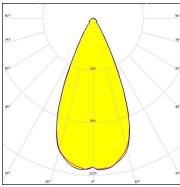
LEDs/each optic

1.2 00/

Light colour

White

Required components:



CREE +

LED

XP-G2 HE

FWHM / FWTM

57.0° / 82.0°

Efficiency

95 %

Peak intensity

0.9 cd/lm

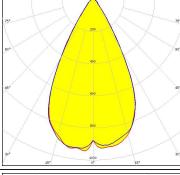
LEDs/each optic

1

Light colour

Required components:

White



CREE \$

XP-G3

FWHM / FWTM Efficiency 54.0° / 79.0°

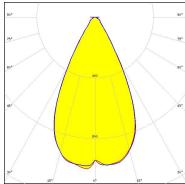
Peak intensity

94 % 1 cd/lm

LEDs/each optic Light colour

White

Required components:





CREE \$

LED XP-G3

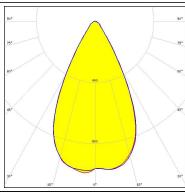
FWHM / FWTM 55.0° / 81.0°

Efficiency 88 %
Peak intensity 1 cd/lm

LEDs/each optic 1
Light colour White

Light colour V
Required components:

Protective plate, glass



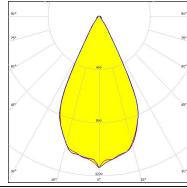
CREE \$

LED XP-G4

FWHM / FWTM 52.0° / 69.0 + 68.0°

Efficiency 96 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White

Required components:



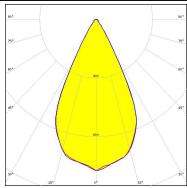
CREE +

LED XP-G4

FWHM / FWTM 54.0° / 70.0°
Efficiency 88 %
Peak intensity 1 cd/lm
LEDs/each optic 1

Light colour White Required components:

Protective plate, glass



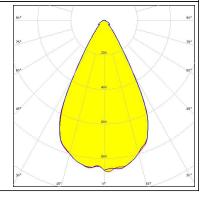
CREE \$

LED XP-L HD

FWHM / FWTM 58.0° / 80.0°
Efficiency 87 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1

Light colour White Required components:

Protective plate, glass





CREE &

LED XP-L HI

FWHM / FWTM 52.0° / 72.0°

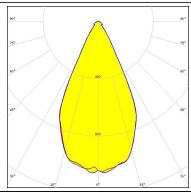
Efficiency 88 %
Peak intensity 1.1 cd/lm

Peak intensity 1.1 cd/lm LEDs/each optic 1

Light colour White

Required components:

Protective plate, glass



CREE \$

LED XP-L2

FWHM / FWTM 58.0° / 86.0°

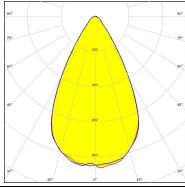
Efficiency 89 %

Peak intensity 0.9 cd/lm

LEDs/each optic 1
Light colour White

Required components:

Protective plate, glass



CREE \$

LED XQ-E HI

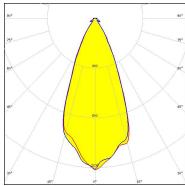
FWHM / FWTM 42.0° / 68.0°

Efficiency 93 %

Peak intensity 1.4 cd/lm LEDs/each optic 1

LEDs/each optic 1
Light colour White

Required components:



DESCRIPTION LUMILEDS

LED LUXEON 3030 2D (Round LES)

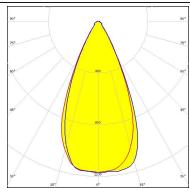
White

 $FWHM / FWTM \qquad \qquad 49.0^{\circ} / 73.0^{\circ}$

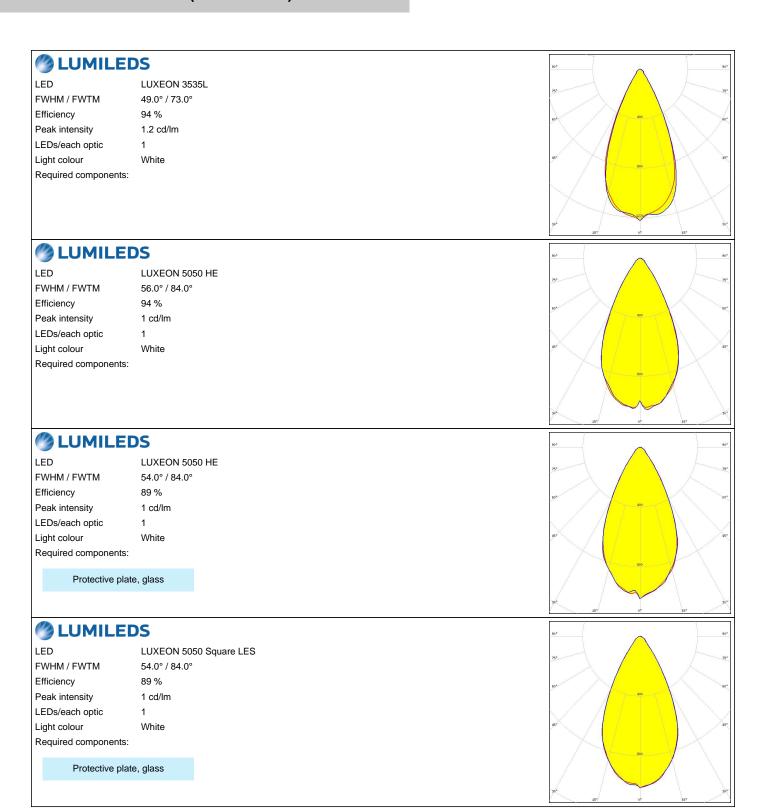
Efficiency 94 %
Peak intensity 1.2 cd/lm

LEDs/each optic 1

Light colour
Required components:











 LED
 LUXEON A

 FWHM / FWTM
 52.0°

 Efficiency
 %

 LEDs/each optic
 1

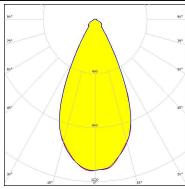
Light colour White

Required components:

LUMILEDS

LED LUXEON C
FWHM / FWTM 50.0° / 75.0°
Efficiency 94 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White

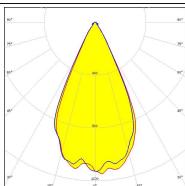
Required components:



MILEDS

LED LUXEON H50-2
FWHM / FWTM 52.0° / 68.0°
Efficiency 91 %
Peak intensity 4.7 cd/lm
LEDs/each optic 1

Light colour White Required components:



MUMILEDS

LED LUXEON HL2X
FWHM / FWTM 56.0° / 76.0°

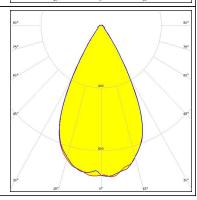
Efficiency 93 %

Peak intensity 1 cd/lm

LEDs/each optic 1

Light colour White

Required components:







 LED
 LUXEON HL2X-D

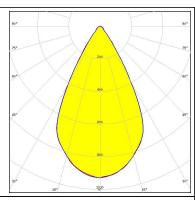
 FWHM / FWTM
 58.0° / 80.0°

 Efficiency
 88 %

Peak intensity 0.9 cd/lm LEDs/each optic 1

Light colour White Required components:

Protective plate, glass

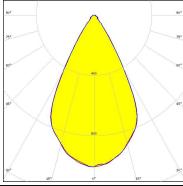


LUMILEDS

LED LUXEON HL2X-D FWHM / FWTM 58.0° / 78.0° Efficiency 96 %

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

Required components:

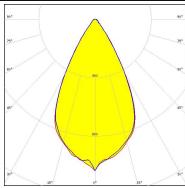


MUMILEDS

LED LUXEON HL2X-P FWHM / FWTM 56.0° / 80.0° Efficiency 95 %

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

Required components:



DESCRIPTION LUMILEDS

LED LUXEON Rebel

FWHM / FWTM 52.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:



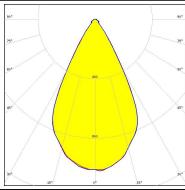


LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)

FWHM / FWTM $56.0^{\circ} / 78.0 + 76.0^{\circ}$

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

Required components:



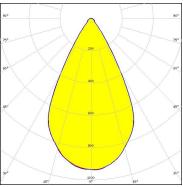
LUMILEDS

LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)

FWHM / FWTM 57.0 + 56.0° / 78.0°

Efficiency 87 % Peak intensity 0.9 cd/lm LEDs/each optic 1 White Light colour Required components:

Protective plate, glass

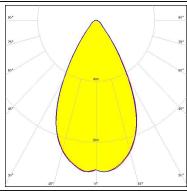


WNICHIA

LED NFMW48xA FWHM / FWTM 57.0° / 86.0° Efficiency 94 %

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

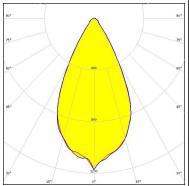
Required components:



WNICHIA

LED NV4WB35AM FWHM / FWTM 54.0° / 78.0° Efficiency 95 % Peak intensity 1.2 cd/lm LEDs/each optic

White Light colour Required components:







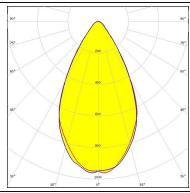
LED NVSxx19A FWHM / FWTM 50.0° Efficiency % LEDs/each optic 1 Light colour White

Required components:

OSRAM

LED Duris S8 FWHM / FWTM 57.0° / 88.0° Efficiency 90 % Peak intensity 1 cd/lm LEDs/each optic 1 White Light colour Required components:

Protective plate, glass

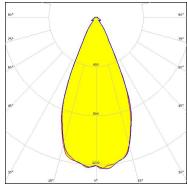


OSRAM Opto Semiconductors

LED OSCONIQ C 2424 FWHM / FWTM 48.0° / 70.0 + 69.0°

Efficiency 96 % Peak intensity 1.3 cd/lm LEDs/each optic 1 Light colour White

Required components:

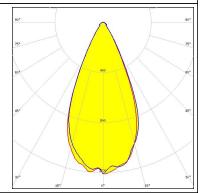


OSRAM

LED

OSCONIQ P 3737 (2W version)

FWHM / FWTM 48.0° / 70.0° Efficiency 93 % Peak intensity 1.2 cd/lm LEDs/each optic White Light colour Required components:



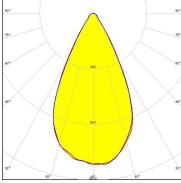


OSRAM

LED OSCONIQ P 3737 (3W version)

FWHM / FWTM 54.0° / 77.0° Efficiency 94 % Peak intensity 1.1 cd/lm LEDs/each optic Light colour White

Required components:

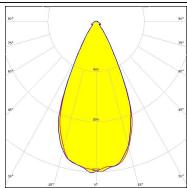


OSRAM

OSCONIQ P 3737 Flat LED

FWHM / FWTM 50.0° / 73.0° Efficiency 96 % Peak intensity 1.2 cd/lm LEDs/each optic 1 White Light colour

Required components:

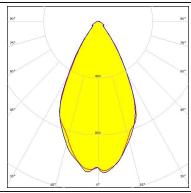


OSRAM Opto Semiconductors

LED OSCONIQ S 5050 FWHM / FWTM 56.0° / 82.0 + 84.0°

Efficiency 95 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White

Required components:

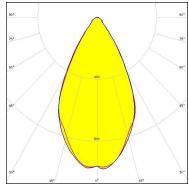


OSRAM

LED OSCONIQ S 5050

FWHM / FWTM 56.0° / 84.0° Efficiency 87 % Peak intensity 1 cd/lm LEDs/each optic White Light colour Required components:

Protective plate, glass



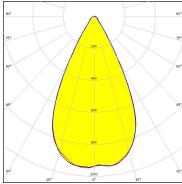


OSRAM

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM 54.0° / 76.0°
Efficiency 87 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass



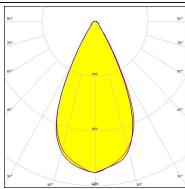
OSRAM

Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM 52.0° / 74.0°
Efficiency 96 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White

Required components:

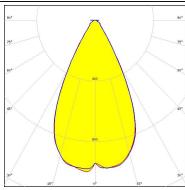


PHILIPS

LED Fortimo FastFlex LED 2x8 DAX G4

FWHM / FWTM 54.0° / 79.0°
Efficiency 94 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White

Required components:





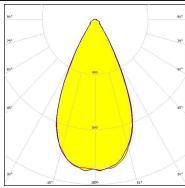
 LED
 Acrich MJT 4040

 FWHM / FWTM
 52.0° / 77.0°

 Efficiency
 94 %

Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White

Required components:







LED MJT 5050
FWHM / FWTM 57.0° / 88.0°
Efficiency 94 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White

Required components:

SEOUL SEMICONDUCTOR

LED SEOUL DC 5050 6V

FWHM / FWTM 54.0° / 84.0°
Efficiency 94 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

SEOUL SEMICONDUCTOR

 LED
 Z5M5

 FWHM / FWTM
 54.0° / 80.0°

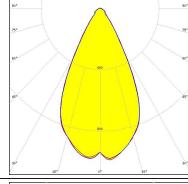
 Efficiency
 87 %

 Peak intensity
 1 cd/lm

 LEDs/each optic
 1

Light colour White Required components:

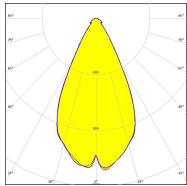
Protective plate, glass



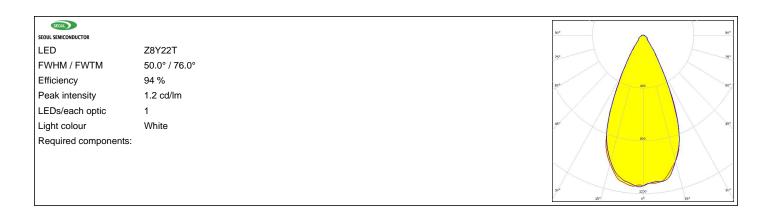
SEOUL SEMICONDUCTOR

LED Z5M5
FWHM / FWTM 54.0° / 78.0°
Efficiency 95 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White

Required components:









PRODUCT DATASHEET C12361_HB-2X2-W

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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