

HB-2X2-M

~25° medium 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-MMulti-lensPMMAclear

ORDERING INFORMATION:

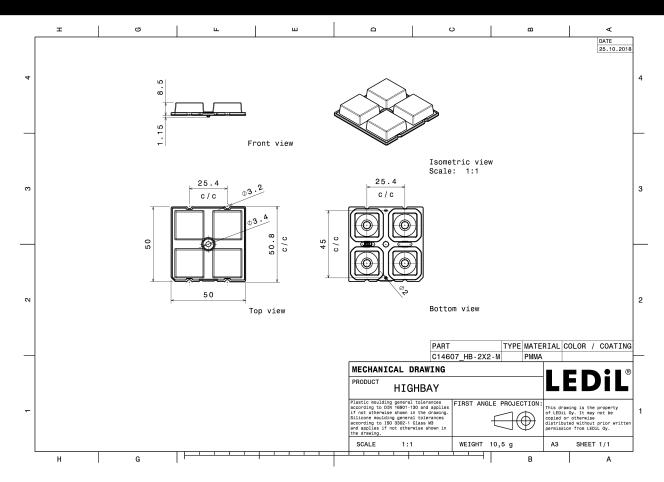
 Component
 Qty in box
 MOQ
 MPQ
 Box weight (kg)

 C14607_HB-2X2-M
 800
 160
 9.2

» Box size: 480 x 280 x 300 mm

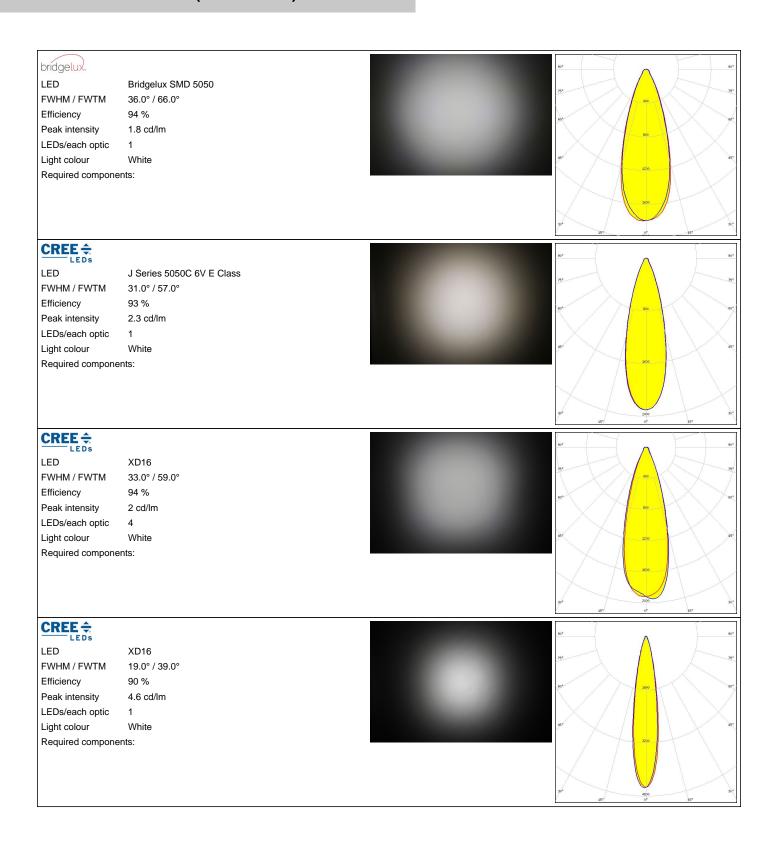


PRODUCT DATASHEET C14607_HB-2X2-M

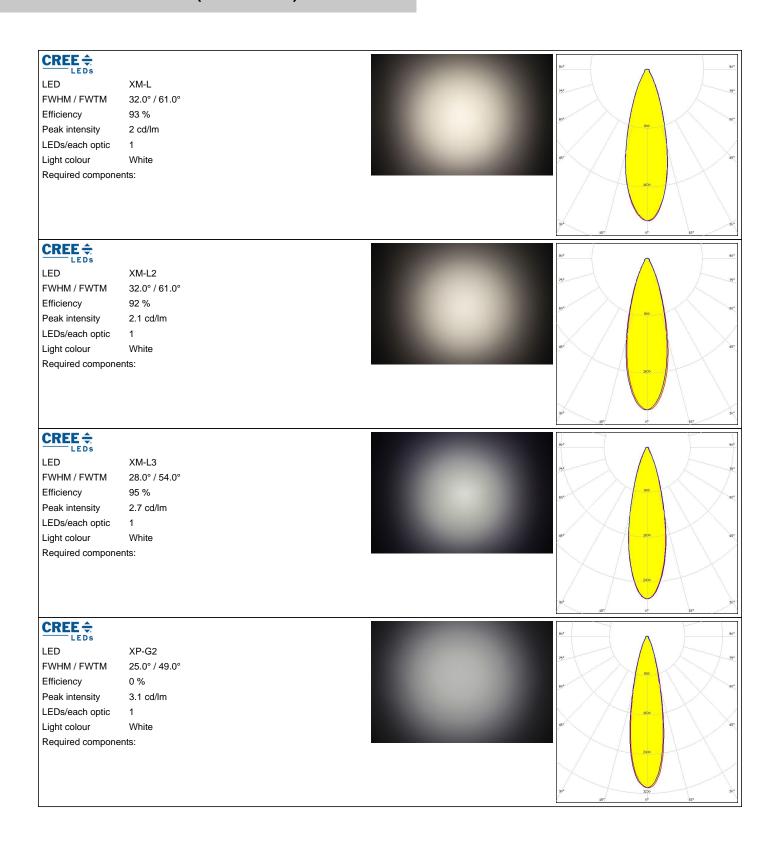


See also our general installation guide: www.ledil.com/installation_guide

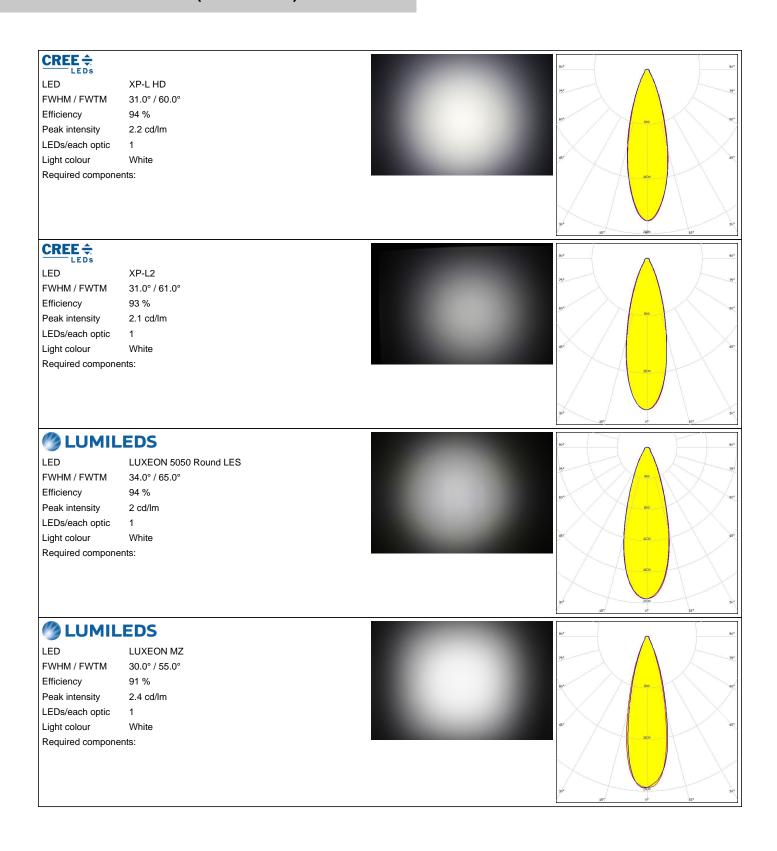




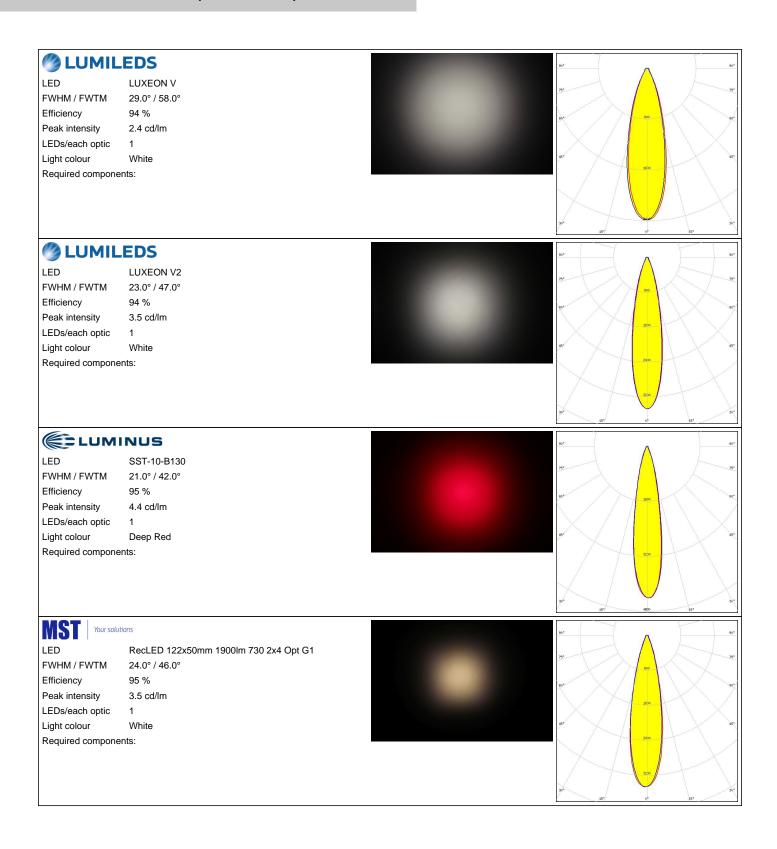




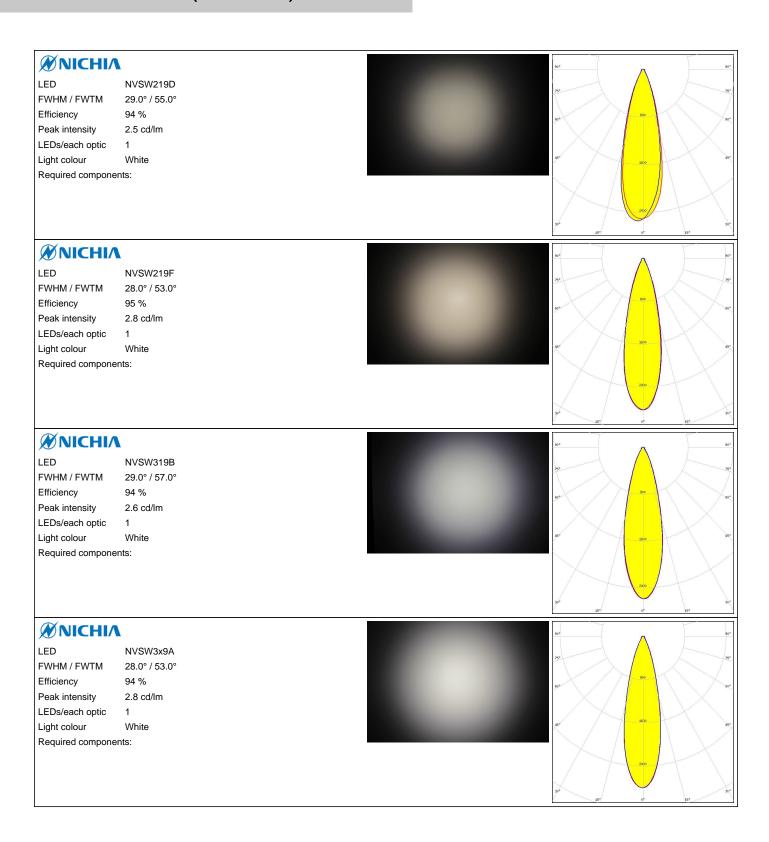




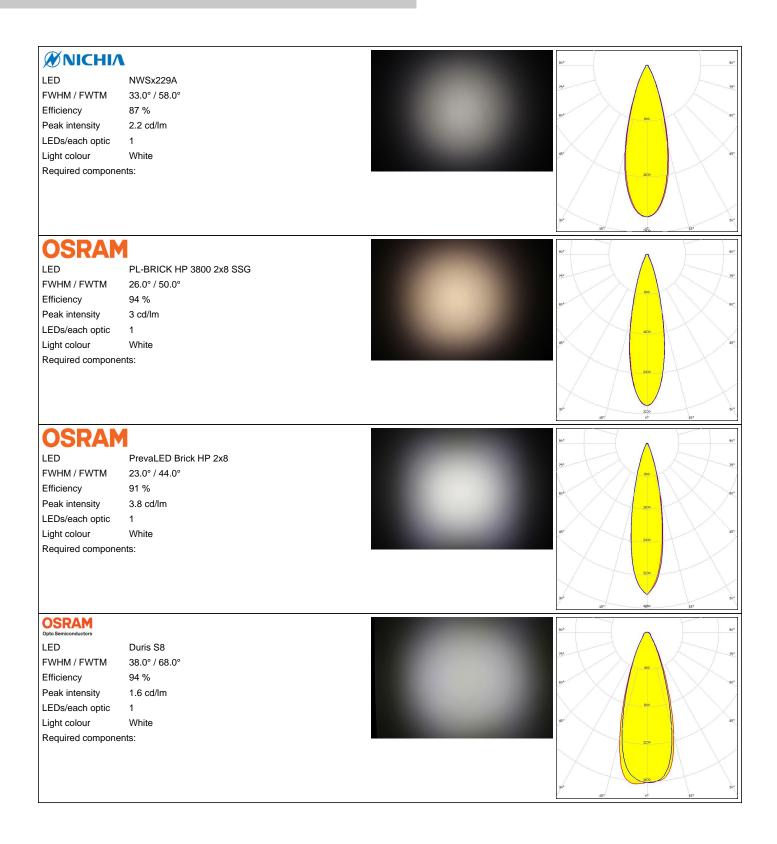










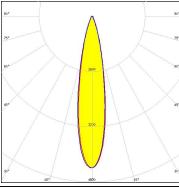




OSRAM Opto Semiconductors

LED OSCONIQ C 3030
FWHM / FWTM 21.0° / 42.0°
Efficiency 93 %
Peak intensity 4.4 cd/lm
LEDs/each optic 1

White



OSRAM

Light colour

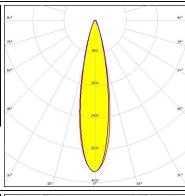
Required components:

Opto Semiconductor

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM 23.0° / 44.0°
Efficiency 91 %
Peak intensity 3.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



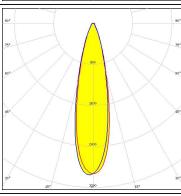


PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4

FWHM / FWTM 25.0° / 51.0°
Efficiency 92 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



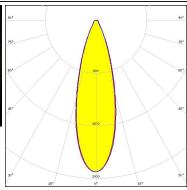


PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4+

FWHM / FWTM 30.0° / 59.0°
Efficiency 96 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



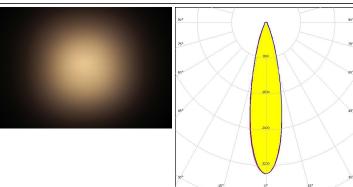




PHILIPS

LED Fortimo FastFlex LED 2x8 DA G5

FWHM / FWTM 24.0° / 47.0°
Efficiency 94 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White

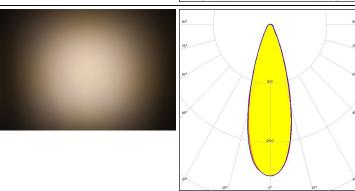


PHILIPS

Required components:

LED Fortimo FastFlex LED 2x8 DA HE

FWHM / FWTM 32.0° / 61.0°
Efficiency 96 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

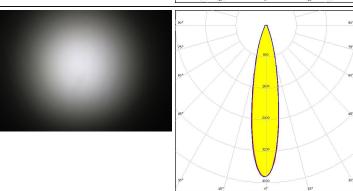


SAMSUNG

LED HILOM RC12 Z (LH181B)

FWHM / FWTM 21.0° / 45.0°
Efficiency 96 %
Peak intensity 3.9 cd/lm
LEDs/each optic 1
Light colour White

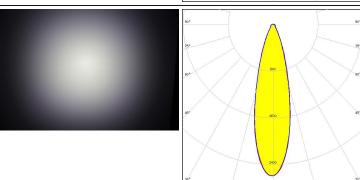
Required components:



SAMSUNG

LED HILOM RH12 Z (LH351C)

FWHM / FWTM 27.0° / 55.0°
Efficiency 95 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



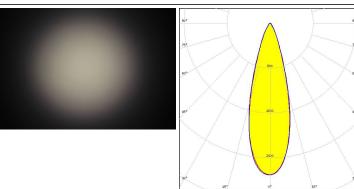


SAMSUNG

LED HILOM RH16 (LH351C)

FWHM / FWTM 30.0° / 55.0°
Efficiency 94 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White

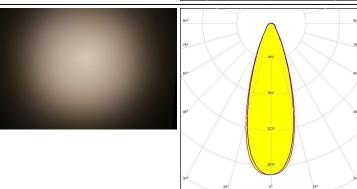
Required components:



SAMSUNG

LED HiLOM RM12 Z (LH502C)

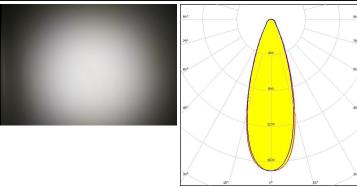
FWHM / FWTM 35.0° / 67.0°
Efficiency 95 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

LED HILOM RM16 Z (LH502C)

FWHM / FWTM 36.0° / 68.0°
Efficiency 96 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White



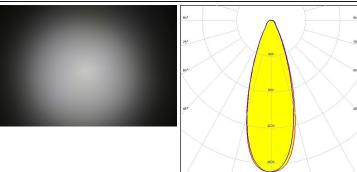
SAMSUNG

Required components:

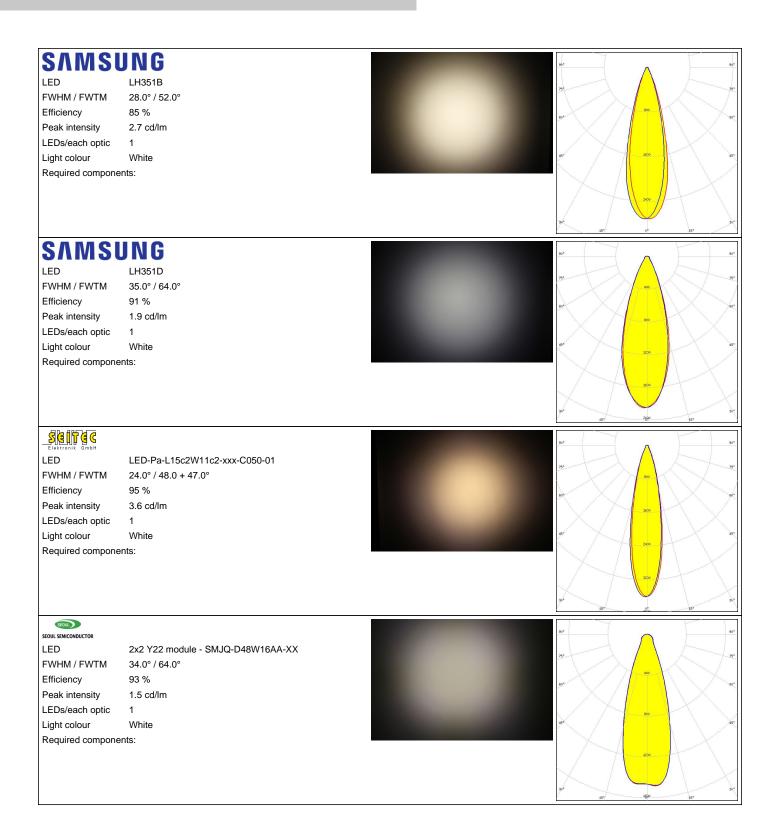
LED HILOM RM8 Z (LH502C)

FWHM / FWTM 36.0° / 68.0°
Efficiency 96 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White

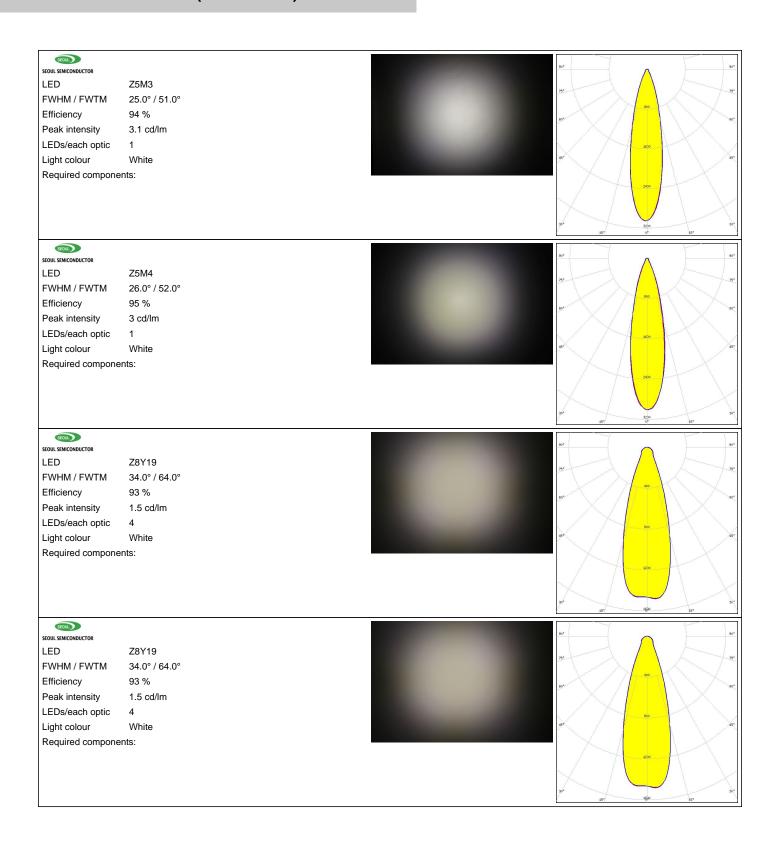
Required components:















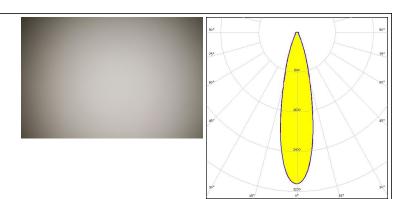
LED Z8Y22P

 FWHM / FWTM
 25.0° / 48.0°

 Efficiency
 92 %

 Peak intensity
 3.1 cd/lm

LEDs/each optic 1
Light colour White
Required components:



TRIDONIC

LED RLE 2x4 2000lm HP EXC2 OTD

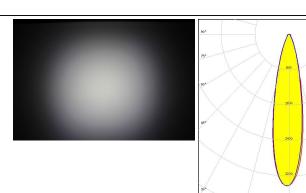
FWHM / FWTM 23.0° / 48.0°
Efficiency 94 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White

TRIDONIC

Required components:

LED RLE 2x8 4000lm HP EXC2 OTD

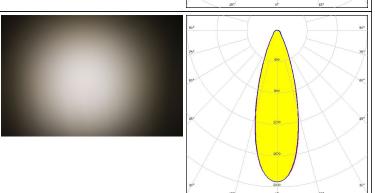
FWHM / FWTM 23.0° / 48.0°
Efficiency 94 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



TRIDONIC

LED RLE 2x8 6000lm HP HE EXC3 OTD

FWHM / FWTM 33.0° / 64.0°
Efficiency 95 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

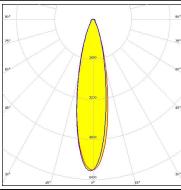




TRIDONIC

LED RLE G1 49x121mm 2000lm xxx EXC OTD

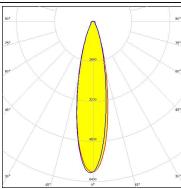
FWHM / FWTM 24.0° / 51.0°
Efficiency 94 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



TRIDONIC

LED RLE G1 49x133mm 2000lm xxx EXC OTD

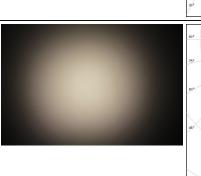
FWHM / FWTM 24.0° / 51.0°
Efficiency 94 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

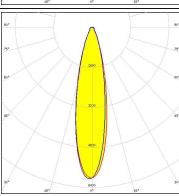


TRIDONIC

LED RLE G1 49x223mm 4000lm xxx EXC OTD

FWHM / FWTM 24.0° / 51.0°
Efficiency 94 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



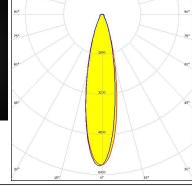


TRIDONIC

LED RLE G1 49x245mm 4000lm xxx EXC OTD

FWHM / FWTM 24.0° / 51.0°
Efficiency 94 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:







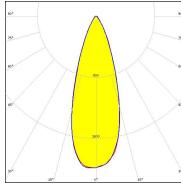
CREE &

LED

J Series 5050 Round LES

FWHM / FWTM 35.0° / 64.0°
Efficiency 92 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White

Required components:

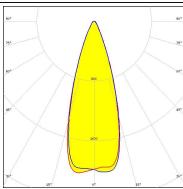


CREE \$

LED FWHM / FWTM XP-G2 HE 35.0° / 58.0°

Efficiency 92 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour White

Required components:



CREE +

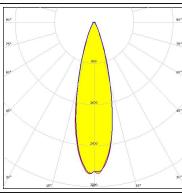
LED

XP-G3

FWHM / FWTM 28.0° / 50.0°
Efficiency 92 %
Peak intensity 3 cd/lm
LEDs/each optic 1

Light colour White

Required components:



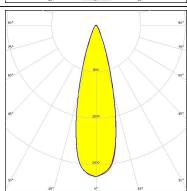
CREE \$

Efficiency

LED FWHM / FWTM XP-G4 28.0° / 50.0° 85 %

Peak intensity 2.6 cd/lm LEDs/each optic 1 Light colour White

Required components:





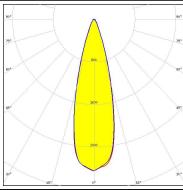
CREE &

LED XP-G4

FWHM / FWTM 28.0° / $50.0 + 49.0^{\circ}$

Efficiency 93 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour White

Required components:

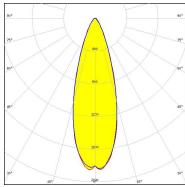


CREE &

LED XP-L2
FWHM / FWTM 32.0° / 62.0°
Efficiency 82 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1

LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass

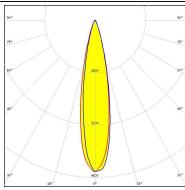


MATERIAL PROPERTY OF THE PROP

LED LUXEON 3030 2D (Round LES)

FWHM / FWTM 21.0° / 41.0°
Efficiency 91 %
Peak intensity 4.7 cd/lm
LEDs/each optic 1
Light colour White

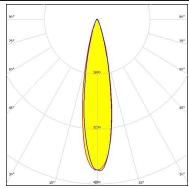
Required components:



DESCRIPTION LUMILEDS

LED LUXEON 3535 2D
FWHM / FWTM 22.0° / 42.0°
Efficiency 92 %
Peak intensity 4.5 cd/lm
LEDs/each optic 1
Light colour White

Required components:



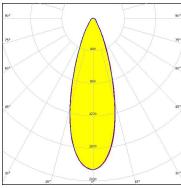




LUXEON 5050 Round LES

FWHM / FWTM 34.0° / 64.0°
Efficiency 87 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass

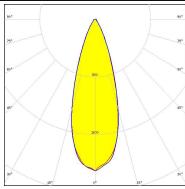


DESCRIPTION

LED LUXEON 5050 Square LES

FWHM / FWTM 34.0° / 62.0°
Efficiency 93 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour White

Required components:

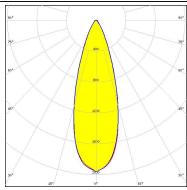


MUMILEDS

LED LUXEON 5050 Square LES

FWHM / FWTM 34.0° / 62.0°
Efficiency 88 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass



LUMILEDS

LED LUXEON HL2X
FWHM / FWTM 34.0° / 58.0°

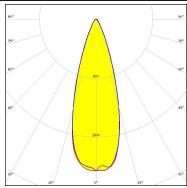
Efficiency 87 %

Peak intensity 2.1 cd/lm

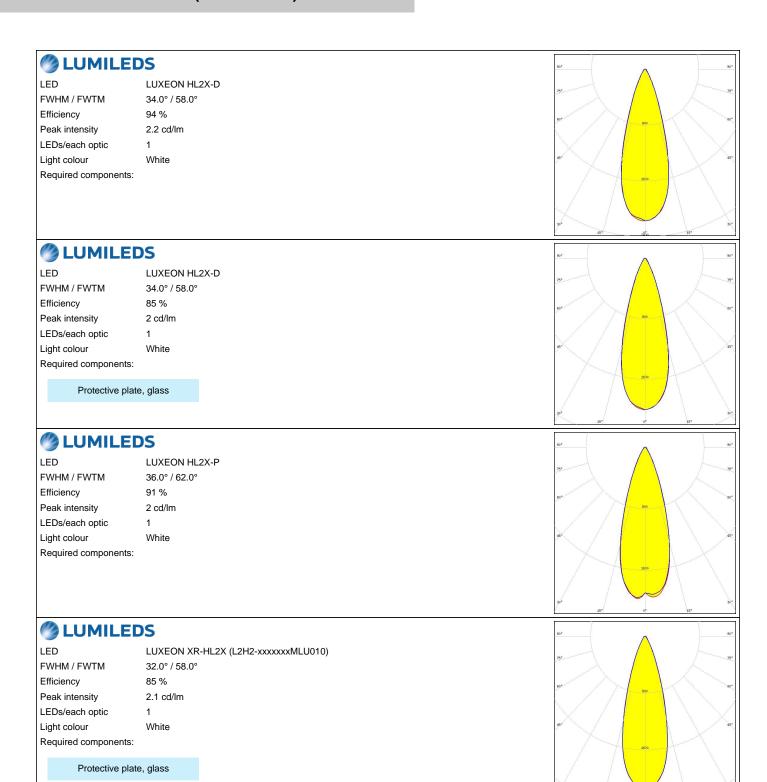
LEDs/each optic 1

Light colour White

Required components:





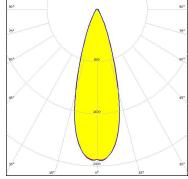






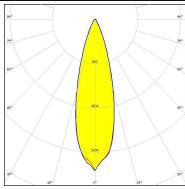
LED LUXEON XR-HL2X (L2H2-xxxxxxMLU010)

FWHM / FWTM 32.0° / 56.0°
Efficiency 94 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



WNICHIA

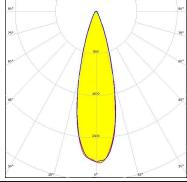
LED NV4WB35AM
FWHM / FWTM 30.0° / 54.0°
Efficiency 93 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



WNICHIA

LED NVSxx19B/NVSxx19C

FWHM / FWTM 28.0° / 50.0°
Efficiency 92 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

 LED
 Duris S8

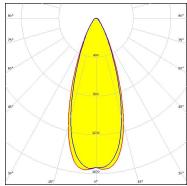
 FWHM / FWTM
 38.0° / 69.0°

 Efficiency
 89 %

 Peak intensity
 1.6 cd/lm

 LEDE (nack partial)
 1.4 cd/lm

LEDs/each optic 1
Light colour White
Required components:



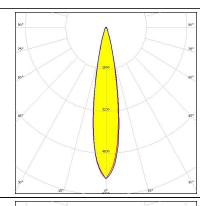


OSRAM

LED OSCONIQ C 2424 FWHM / FWTM 19.0 + 20.0° / 36.0°

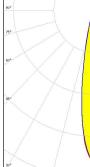
Efficiency 93 % Peak intensity 5.8 cd/lm LEDs/each optic Light colour White

Required components:



OSRAM

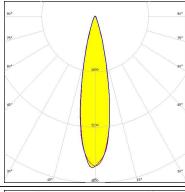
LED OSCONIQ P 3030 FWHM / FWTM 18.0° / 36.0° Efficiency 94 % Peak intensity 5.8 cd/lm LEDs/each optic 1 White Light colour Required components:



OSRAM Opto Semiconductor

LED OSCONIQ P 3737 (2W version)

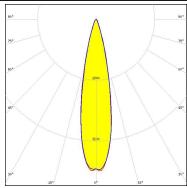
FWHM / FWTM 22.0° / 40.0° Efficiency 92 % Peak intensity 4.4 cd/lm LEDs/each optic 1 Light colour White Required components:



OSRAM

LED OSCONIQ P 3737 (2W version)

FWHM / FWTM 22.0° / 40.0° Efficiency 87 % Peak intensity 4 cd/lm LEDs/each optic White Light colour Required components:

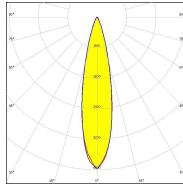




OSRAM

LED OSCONIQ P 3737 Flat

FWHM / FWTM 24.0° / 44.0° Efficiency 93 % Peak intensity 4 cd/lm LEDs/each optic Light colour White Required components:

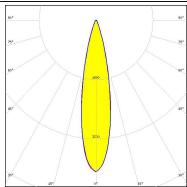


OSRAM

OSLON Square CSSRM2/CSSRM3 LED

FWHM / FWTM 22.0° / 42.0° Efficiency 89 % Peak intensity 4.1 cd/lm LEDs/each optic 1 White Light colour Required components:

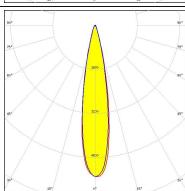
Protective plate, glass



OSRAM Opto Semiconductors

OSLON Square Flat LED FWHM / FWTM 20.0° / 35.0° Efficiency 94 % Peak intensity 5.5 cd/lm LEDs/each optic 1

Light colour White Required components:



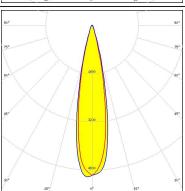
OSRAM

LED

OSTAR Projection Compact (KW.CSLNM1.TG)

FWHM / FWTM 21.0° / 38.0° 94 % Efficiency Peak intensity 5 cd/lm LEDs/each optic White Light colour

Required components:



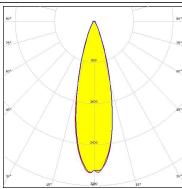


PHILIPS

LED Fortimo FastFlex LED 2x8 DAX G4

FWHM / FWTM 28.0° / 50.0°
Efficiency 92 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White

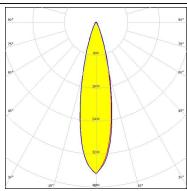
Required components:



SAMSUNG

LED LH231B
FWHM / FWTM 24.0° / 46.0°
Efficiency 92 %
Peak intensity 3.7 cd/lm
LEDs/each optic 4
Light colour White

Required components:



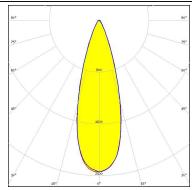
SAMSUNG

LED LH351C
FWHM / FWTM 32.0° / 56.0°
Efficiency 91 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1

White

Required components:

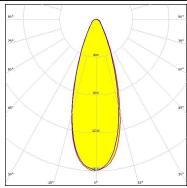
Light colour



SAMSUNG

LED LH502C
FWHM / FWTM 36.0° / 70.0°
Efficiency 89 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1

Light colour White Required components:





SAMSUNG

LED LH508A Plus FWHM / FWTM 32.0° / 62.0°

Efficiency 93 %
Peak intensity 2.1 cd/lm

LEDs/each optic 1
Light colour White

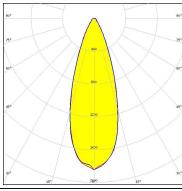
Required components:

SEOUL SEMICONDUCTOR

LED MJT 5050 FWHM / FWTM 36.0° / 66.0°

Efficiency 92 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White

Required components:



SEOUL SEMICONDUCTOR

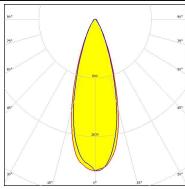
LED SEOUL DC 5050 6V

FWHM / FWTM 34.0° / 62.0°

Efficiency 94 %

Peak intensity 2.1 cd/lm

LEDs/each optic 1
Light colour White
Required components:



SEOUL SEMICONDUCTOR

 LED
 Z5M5

 FWHM / FWTM
 28.0° / 50.0°

 Efficiency
 94 %

 Peak intensity
 3.1 cd/lm

LEDs/each optic 1
Light colour White
Required components:

