

HB-2X2-RW

~50° wide beam optimized for CREE XP-L and XM-L

TECHNICAL SPECIFICATIONS:

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



MATERIAL SPECIFICATIONS:

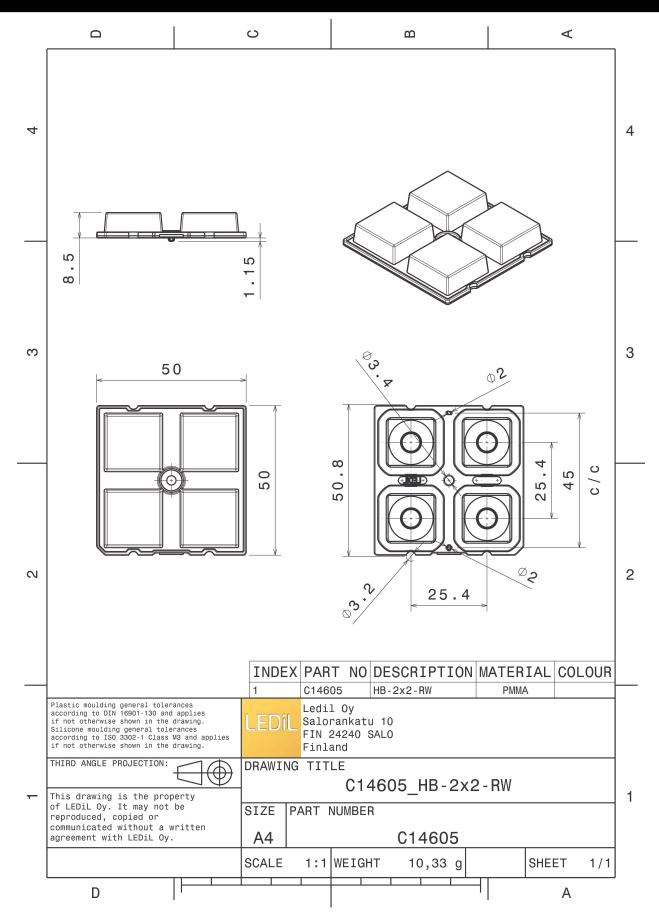
ComponentTypeMaterialColourFinishHB-2X2-RWMulti-lensPMMAclear

ORDERING INFORMATION:

Component Qty in box MOQ MPQ Box weight (kg)

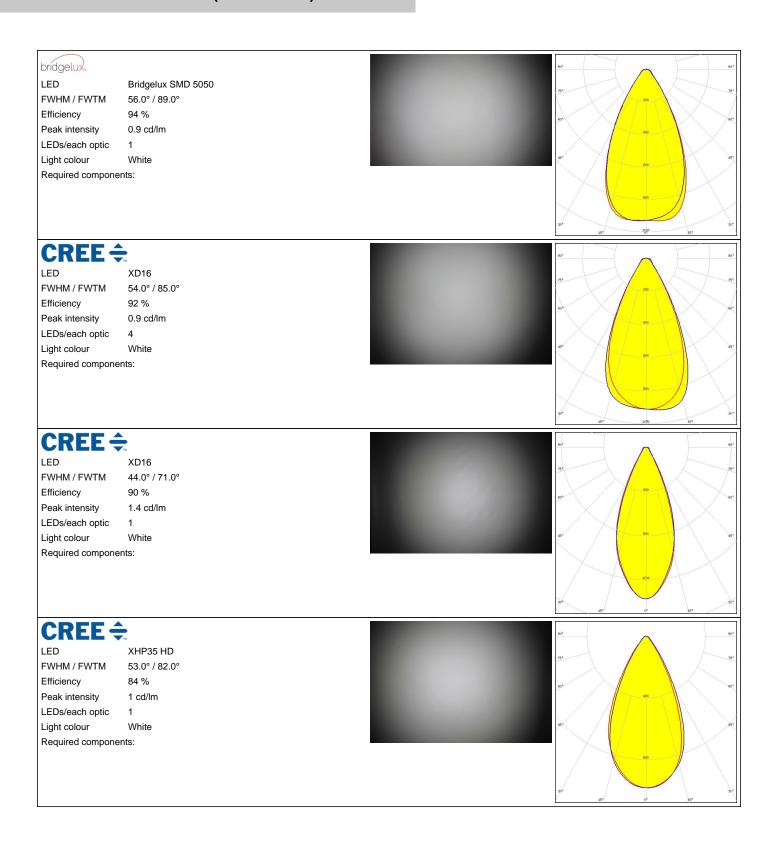
C14605_HB-2X2-RW 800 160 160 9.1 » Box size: 476 x 273 x 292 mm



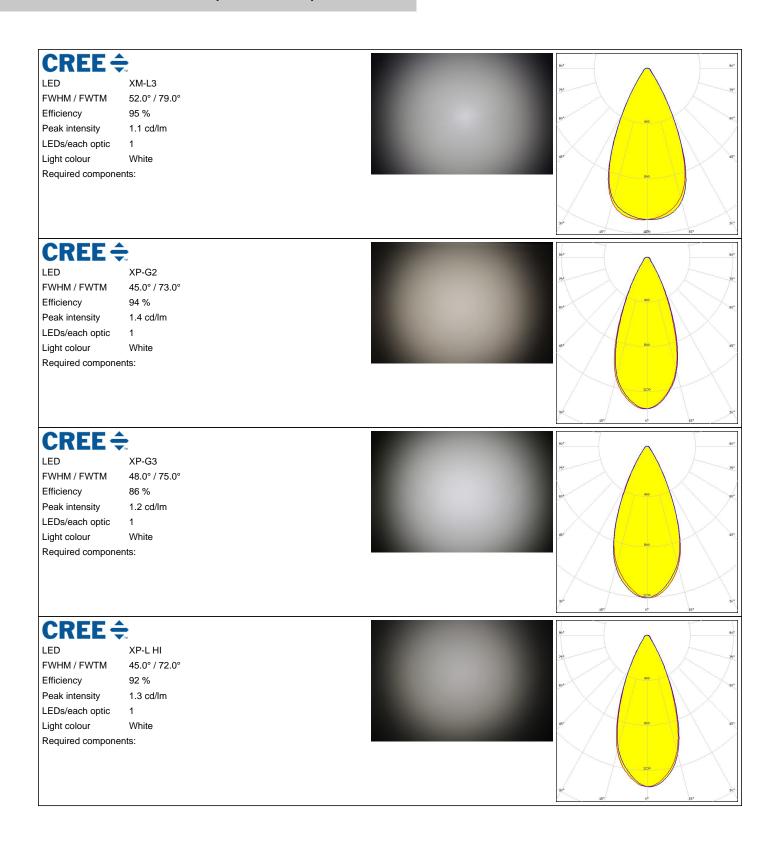


See also our general installation guide: www.ledil.com/installation_guide

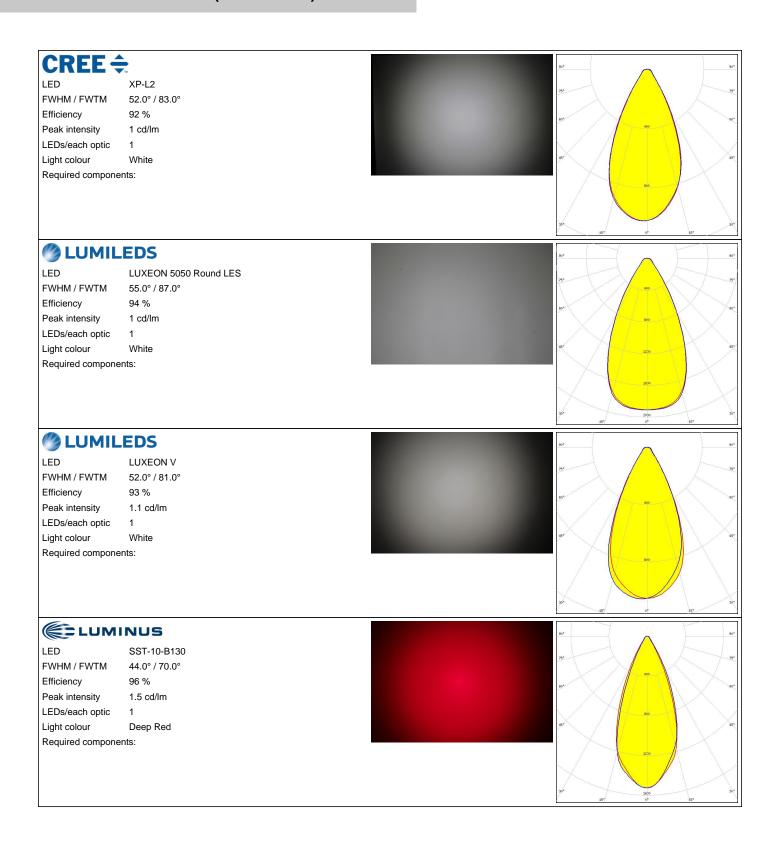




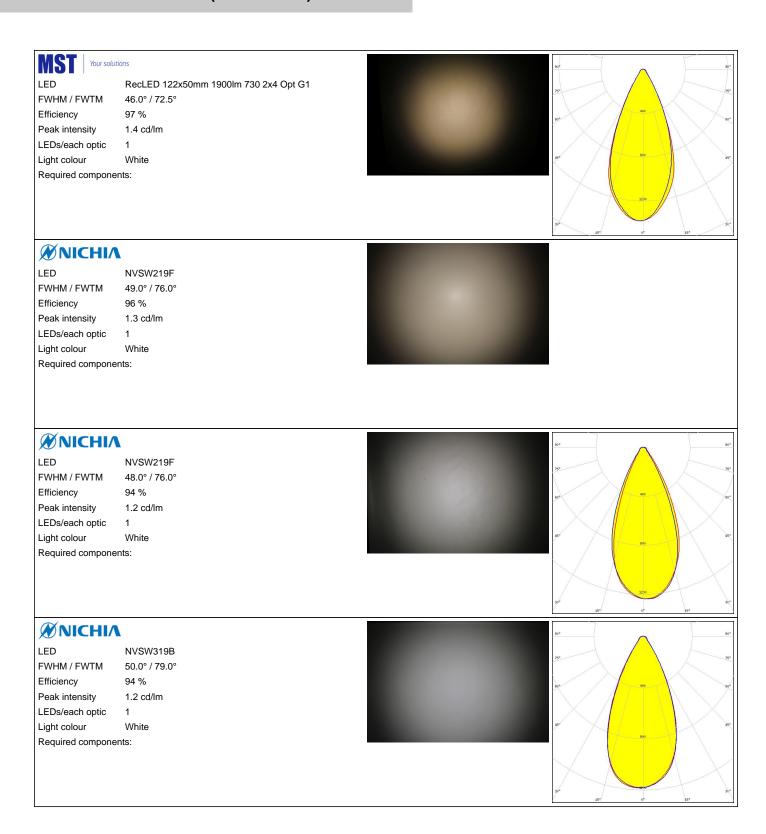




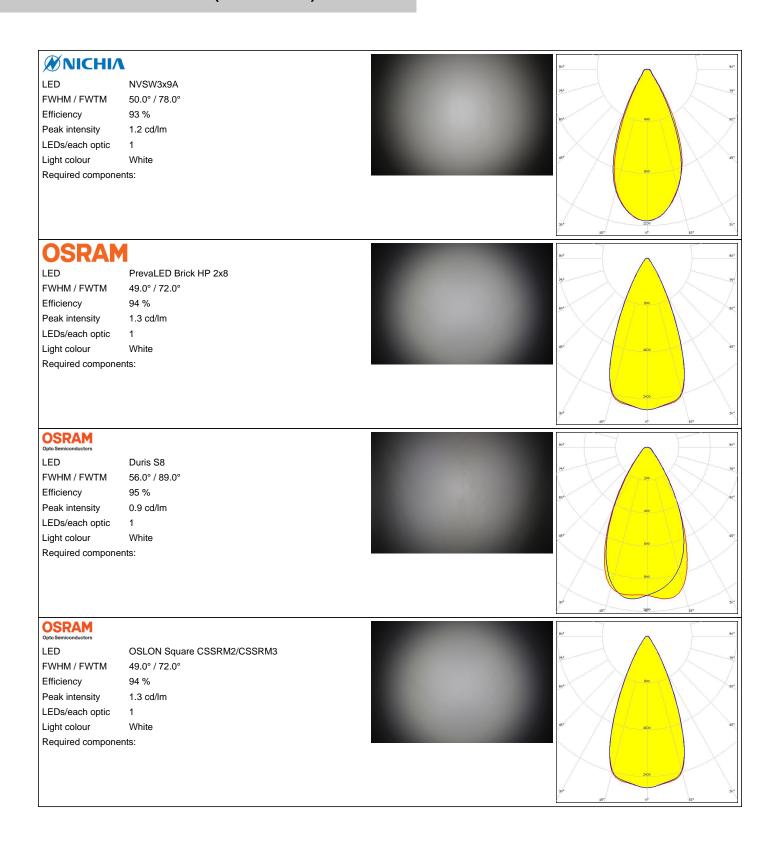










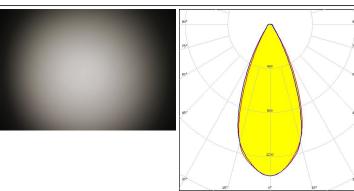




PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4

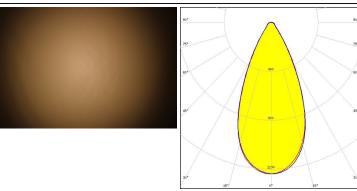
FWHM / FWTM 45.0° / 71.0°
Efficiency 93 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHILIPS

LED Fortimo FastFlex LED 2x8 DA G4+

FWHM / FWTM 48.0° / 77.0°
Efficiency 96 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:

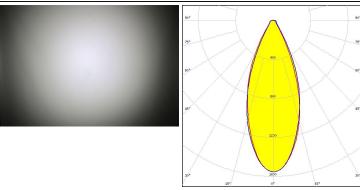


SAMSUNG

LED HILOM RC12 Z (LH181B)

FWHM / FWTM 41.0° / 71.0°
Efficiency 97 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White

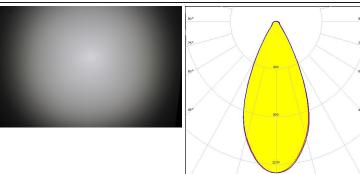
Required components:



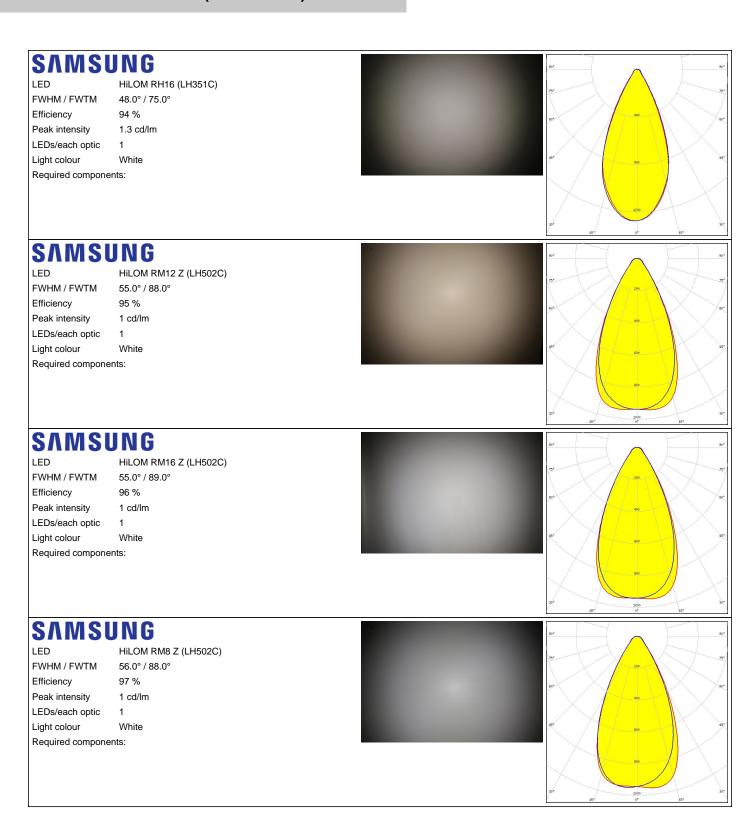
SAMSUNG

LED HILOM RH12 Z (LH351C)

FWHM / FWTM 48.0° / 75.0°
Efficiency 96 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:









SAMSUNG

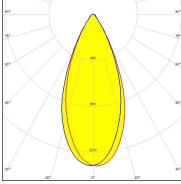
LED LH351B
FWHM / FWTM 45.0° / 74.0°
Efficiency 86 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1

White

Light colour

Required components:

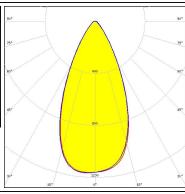




SAMSUNG

LED LH351D
FWHM / FWTM 49.0° / 82.0°
Efficiency 94 %
LEDs/each optic 1
Light colour White
Required components:

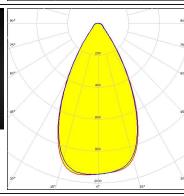




SAMSUNG

LED LH508A
FWHM / FWTM 56.0° / 87.0°
Efficiency 93 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

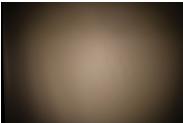




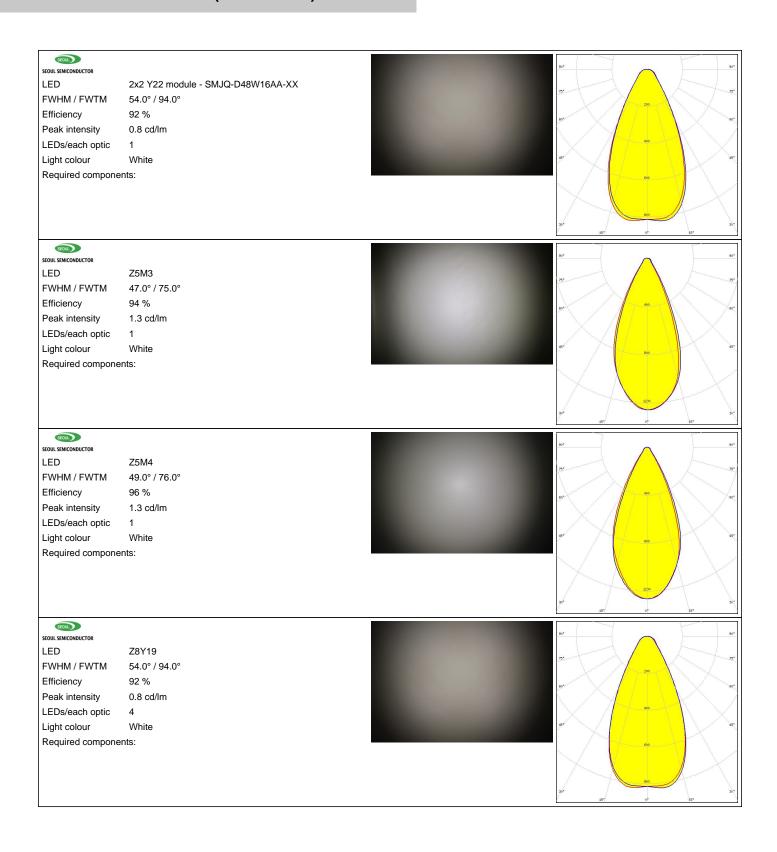
SGITGC Elektronik GmbH

LED LED-Pa-L15c2W11c2-xxx-C050-01

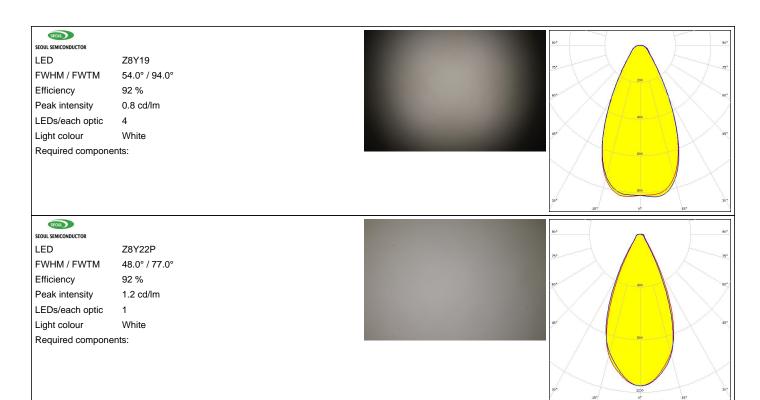
FWHM / FWTM 47.0° / 76.0°
Efficiency 96 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:











TRIDONIC

LED RLE 2x4 2000lm HP EXC2 OTD

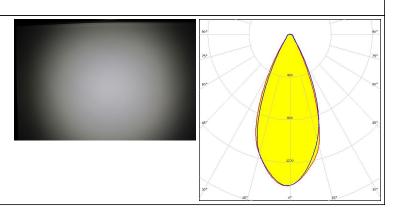
FWHM / FWTM 46.0° / 71.0° Efficiency 94 % Peak intensity 1.4 cd/lm LEDs/each optic 1

Light colour White Required components:

TRIDONIC

LED RLE 2x8 4000lm HP EXC2 OTD

FWHM / FWTM 46.0° / 71.0°
Efficiency 94 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

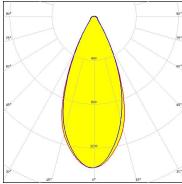




TRIDONIC

LED RLE G1 49x121mm 2000lm xxx EXC OTD

FWHM / FWTM 46.0° / 73.0°
Efficiency 94 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



TRIDONIC

LED RLE G1 49x133mm 2000lm xxx EXC OTD

FWHM / FWTM 46.0° / 73.0°

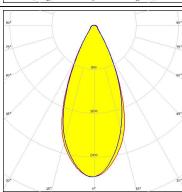
Efficiency 94 %

Peak intensity 1.4 cd/lm

LEDs/each optic 1

Light colour White

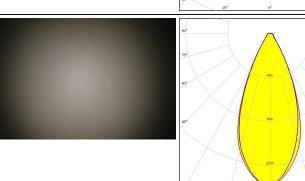
Required components:



TRIDONIC

LED RLE G1 49x223mm 4000lm xxx EXC OTD

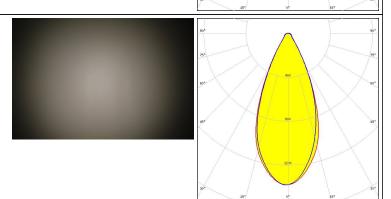
FWHM / FWTM 46.0° / 73.0°
Efficiency 94 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



TRIDONIC

LED RLE G1 49x245mm 4000lm xxx EXC OTD

FWHM / FWTM 46.0° / 73.0°
Efficiency 94 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:





CREE 💠

LED XHP35 HI

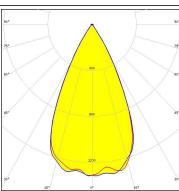
FWHM / FWTM 52.0° / 68.0°

Efficiency 93 %

Peak intensity 1.4 cd/lm

LEDs/each optic 1
Light colour White

Required components:



CREE \$

LED XM-L

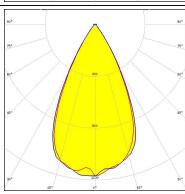
FWHM / FWTM 54.0° / 74.0°

Efficiency 92 %

Peak intensity 1.2 cd/lm

LEDs/each optic 1
Light colour White

Light colour
Required components:



CREE \$

LED XP-L HD

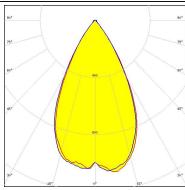
FWHM / FWTM 55.0° / 79.0°

Efficiency 93 %

Peak intensity 1.1 cd/lm

LEDs/each optic 1
Light colour White

Required components:



WNICHIA

LED NV4WB35AM

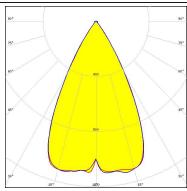
FWHM / FWTM 56.0° / 74.0°

Efficiency 95 %

Peak intensity 1.2 cd/lm LEDs/each optic 1

Light colour White

Required components:





OSRAM

LED

Duris S8

FWHM / FWTM

57.0° / 83.0°

Efficiency

90 %

Peak intensity

1 cd/lm

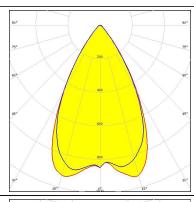
LEDs/each optic

Light colour

White

Required components:

Protective plate, glass



OSRAM

LED OSCONIQ C 2424

FWHM / FWTM

45.0° / 62.0°

Efficiency Peak intensity 96 %

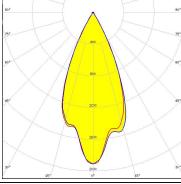
LEDs/each optic

1.9 cd/lm 1

Light colour

White

Required components:



OSRAM Opto Semiconductors

LED OSCONIQ P 3030

FWHM / FWTM

42.0° / 64.0°

Efficiency

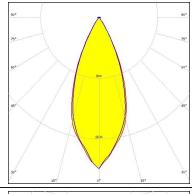
96 %

Peak intensity

2 cd/lm

LEDs/each optic

Light colour Required components: White



OSRAM

LED

Efficiency

OSCONIQ P 3737 (2W version)

FWHM / FWTM

45.0° / 68.0°

Peak intensity

96 %

LEDs/each optic

1.7 cd/lm

Light colour

Required components:

White

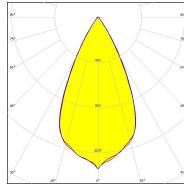


OSRAM

LED OSCONIQ P 3737 (3W version)

FWHM / FWTM 52.0° / 72.0° Efficiency 94 % Peak intensity 1.4 cd/lm LEDs/each optic Light colour White

Required components:

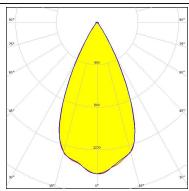


OSRAM

LED OSCONIQ P 3737 Flat

FWHM / FWTM 50.0° / 68.0° Efficiency 96 % Peak intensity 1.4 cd/lm LEDs/each optic 1 White Light colour

Required components:

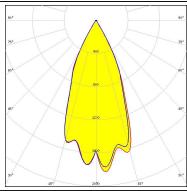


OSRAM Opto Semiconductor

LED OSLON Square Flat FWHM / FWTM 43.0° / 64.0° Efficiency 96 %

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

Required components:

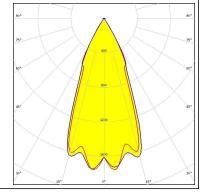


OSRAM

LED

OSTAR Projection Compact (Kx.CSLNM1.xx)

FWHM / FWTM 42.0° / 64.0° Efficiency 96 % Peak intensity 1.8 cd/lm LEDs/each optic White Light colour Required components:

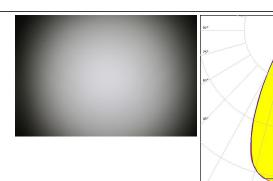




PHILIPS

LED Fortimo FastFlex LED 2x8 DAX G4

FWHM / FWTM 51.0° / 73.0°
Efficiency 94 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

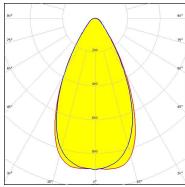


SAMSUNG

LED HILOM RM16 Z (LH502C)

FWHM / FWTM 56.0° / 90.0°
Efficiency 89 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass

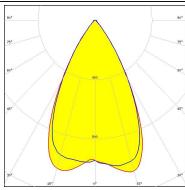


SECUL SENICONDUCTO

LED SEOUL DC 5050 6V

FWHM / FWTM 54.0° / 79.0°
Efficiency 94 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White

Required components:



SEOUL SEMICONDUCTOR

LED Z8Y22T
FWHM / FWTM 51.0° / 69.0°
Efficiency 94 %

Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

30 90 90° 30° 25° 400 90° 400 90° 400 90° 400 90°



PRODUCT DATASHEET C14605_HB-2X2-RW

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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

LEDIL Oy

Joensuunkatu 13 FI-24240 SALO Finland

LEDiL Inc.

228 West Page Street Suite D Sycamore IL 60178 USA

Ledil Optics Technology (Shenzhen) Co., Ltd.

405, Block B Casic Motor Building Shenzhen 518057 P.R.CHINA

Local sales and technical support

www.ledil.com/ where_to_buy

Shipping locations

Salo, Finland Hong Kong, China

Distribution Partners

www.ledil.com/ where_to_buy