

#### HB-2X2-WW

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

#### **SPECIFICATION:**

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



#### **MATERIALS:**

ComponentTypeMaterialColourFinishLength (mm)HB-2X2-WWMulti-lensPMMAclear

#### **ORDERING INFORMATION:**

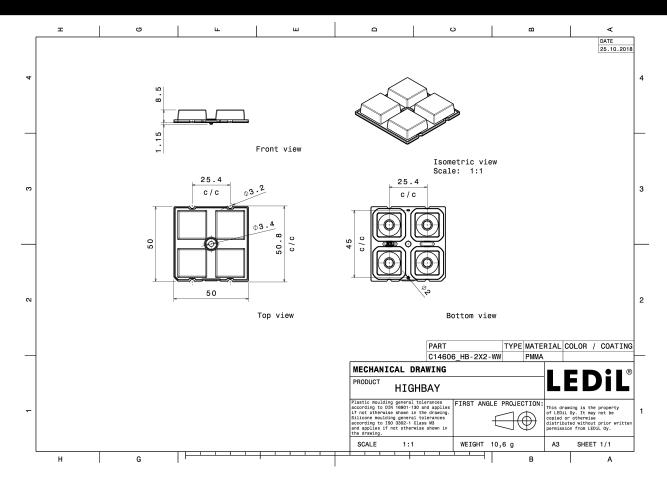
 Component
 Qty in box
 MOQ
 MPQ
 Box weight (kg)

 C14606 HB-2X2-WW
 800
 160
 9.2

C14606\_HB-2X2-WW 800 160 160 » Box size: 480 x 280 x 300 mm



# PRODUCT DATASHEET C14606\_HB-2X2-WW



See also our general installation guide: <a href="www.ledil.com/installation\_guide">www.ledil.com/installation\_guide</a>

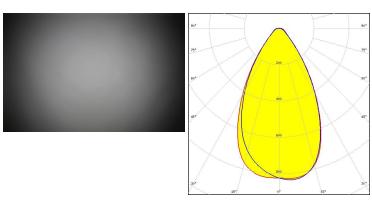




LED Bridgelux SMD 5050

FWHM / FWTM 59.0° / 96.0°
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

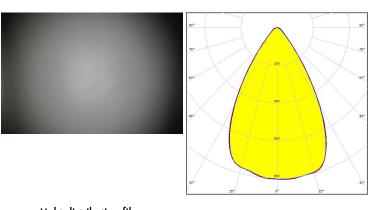


Light distribution files



LED XD16
FWHM / FWTM 63.0° / 92.0°
Efficiency 93 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1

Light colour/type White Required components:



Light distribution files

## CREE -

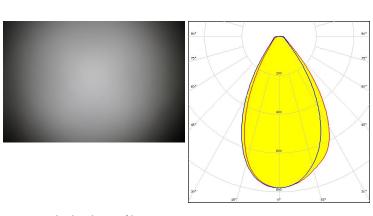
 LED
 XD16

 FWHM / FWTM
 61.0° / 97.0°

 Efficiency
 92 %

 Peak intensity
 0.8 cd/lm

LEDs/each optic 4
Light colour/type White
Required components:

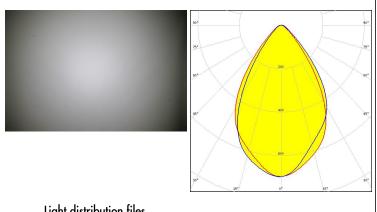


Light distribution files



# CREE \$

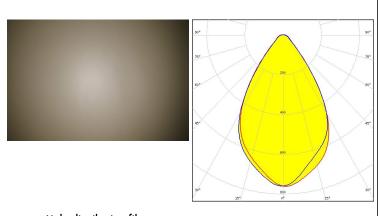
LED XHP35 HD 67.0° / 100.0° FWHM / FWTM Efficiency 84 % Peak intensity 0.7 cd/lm LEDs/each optic White Light colour/type Required components:



Light distribution files

# CREE \$

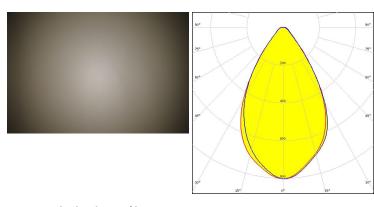
FWHM / FWTM 66.0° / 99.0° Efficiency 93 % Peak intensity 0.8 cd/lm LEDs/each optic Light colour/type White Required components:



Light distribution files

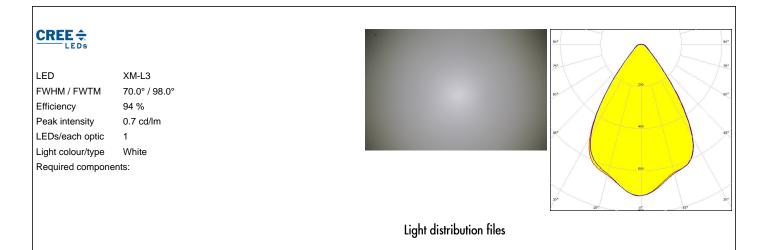
## CREE \$

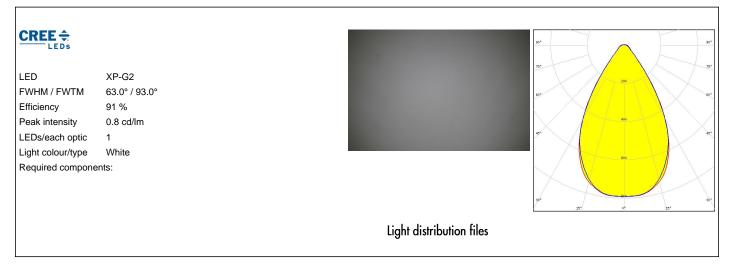
LED XM-L2 FWHM / FWTM 62.0° / 96.0° Efficiency 92 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour/type White Required components:

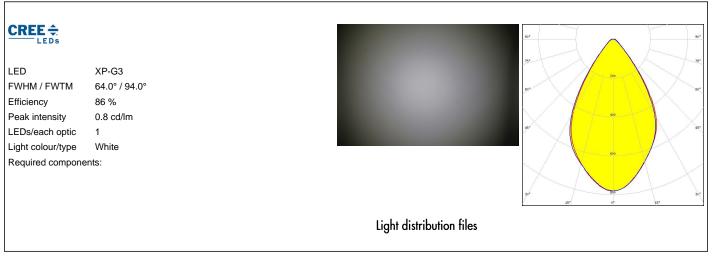


Light distribution files

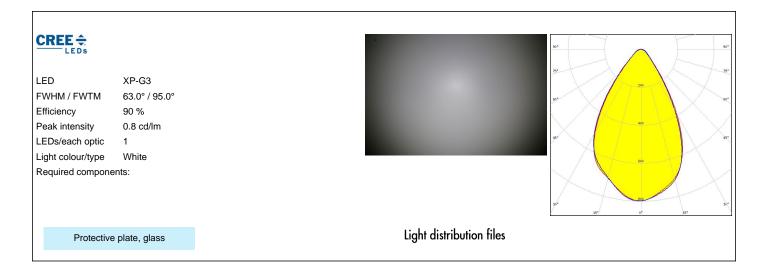






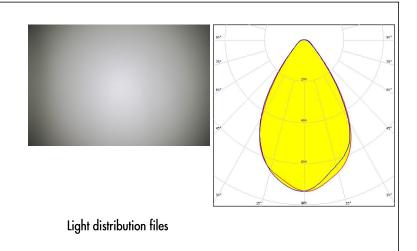






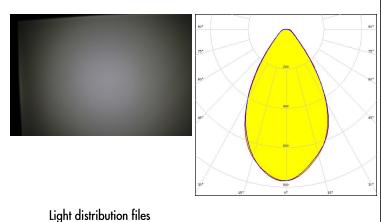


XP-L HD FWHM / FWTM 66.0° / 102.0° Efficiency 93 % Peak intensity 0.7 cd/lm LEDs/each optic Light colour/type White Required components:



## CREE \$

LED XP-L2  $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 62.0° / 101.0° Efficiency 93 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour/type White Required components:

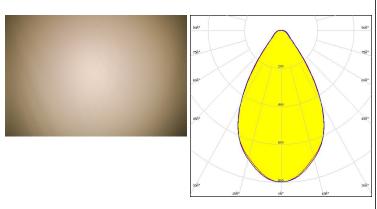




## inventronics

LED PL-BRICK HP 3800 2x8 SSG

FWHM / FWTM 64.0° / 96.0°
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

## inventronics

LED PrevaLED Brick HP 2x8

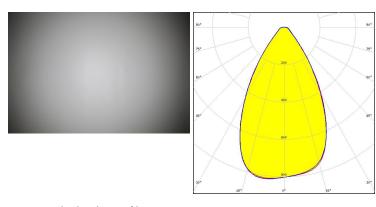
FWHM / FWTM 64.0° / 93.0°
Efficiency 92 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files



LED LUXEON 5050 Round LES

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

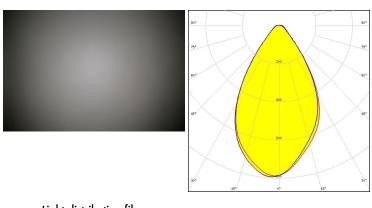


Light distribution files





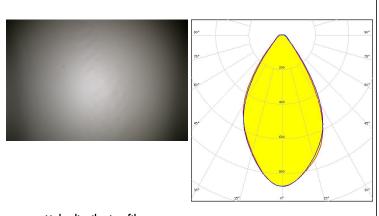
LED LUXEON V
FWHM / FWTM 63.0° / 97.0°
Efficiency 93 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

## **MUMILEDS**

LED LUXEON V2
FWHM / FWTM 61.0° / 93.0°
Efficiency 94 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

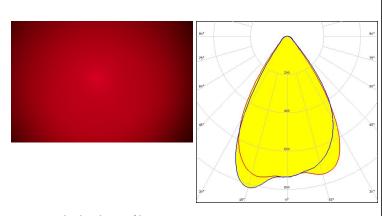


Light distribution files



LED SST-10-B130
FWHM / FWTM 69.0° / 94.0°
Efficiency 95 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type Deep Red

Required components:



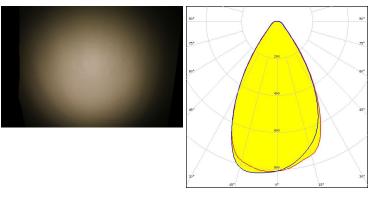
Light distribution files





LED RecLED 122x50mm 1900lm 730 2x4 Opt G1

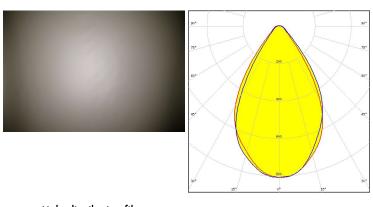
FWHM / FWTM 61.0° / 94.0°
Efficiency 95 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

## **WNICHIA**

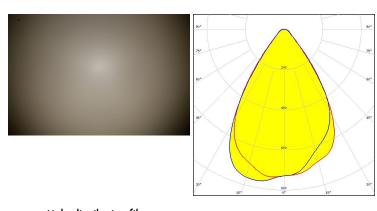
LED NVSW219D
FWHM / FWTM 64.0° / 95.0°
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

## **WNICHIA**

LED NVSW219F
FWHM / FWTM 69.0° / 96.0°
Efficiency 95 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

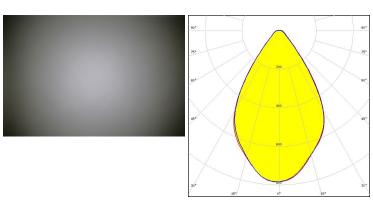


Light distribution files



#### **WNICHIA**

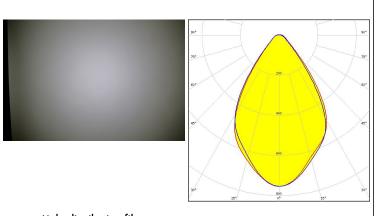
LED NVSW219F
FWHM / FWTM 66.0° / 96.0°
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

## **WNICHIA**

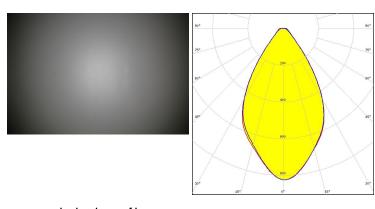
LED NVSW319B
FWHM / FWTM 68.0° / 100.0°
Efficiency 93 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

## **WNICHIA**

LED NVSW3x9A
FWHM / FWTM 62.0° / 97.0°
Efficiency 93 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

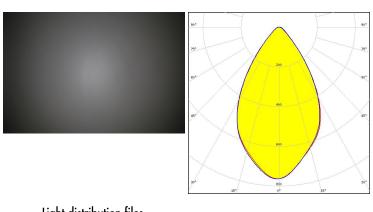


Light distribution files



#### **WNICHIA**

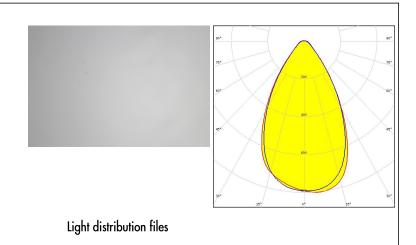
NWSx229A 63.0° / 97.0° FWHM / FWTM Efficiency 85 % Peak intensity 0.8 cd/lm LEDs/each optic White Light colour/type Required components:



Light distribution files

# OSRAM Opto Semiconductors

Duris S8 FWHM / FWTM 61.0° / 97.0° Efficiency 93 % Peak intensity 0.8 cd/lm LEDs/each optic Light colour/type White Required components:

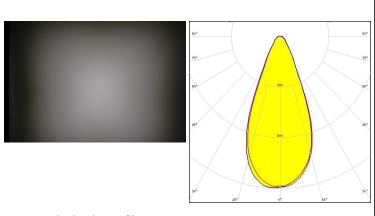


## OSRAM Opto Semiconductors

LED

OSCONIQ C 3030  $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 45.0° / 76.0° Efficiency 96 % Peak intensity 1.2 cd/lm LEDs/each optic

Light colour/type White Required components:



Light distribution files

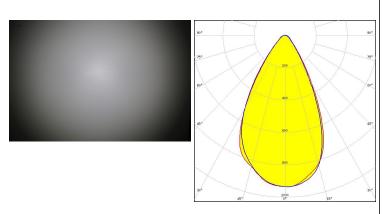


#### OSRAM Opto Semiconductors

LED OSCONIQ P 3737 (2W version)

FWHM / FWTM 58.0° / 88.0°
Efficiency 91 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Protective plate, glass



Light distribution files

#### OSRAM Opto Semiconductors

LED OSCONIQ P 3737 (3W version)

FWHM / FWTM 56.0° / 93.0°
Efficiency 93 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

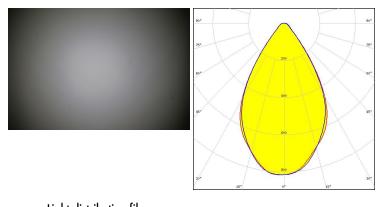
90°1 90°2 250 90°2 25

Light distribution files

#### OSRAM

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM 64.0° / 93.0°
Efficiency 92 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



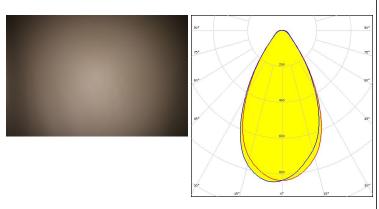
Light distribution files



## **PHILIPS**

LED Fortimo FastFlex LED 2x8 DA (U)HE

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

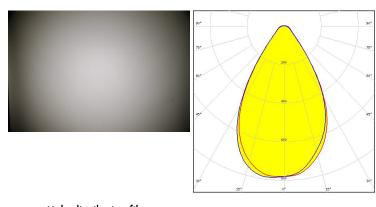


Light distribution files

## **PHILIPS**

LED Fortimo FastFlex LED 2x8 DA G4

FWHM / FWTM 64.0° / 96.0°
Efficiency 93 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



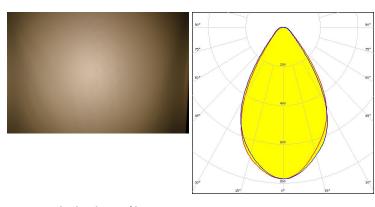
Light distribution files

## **PHILIPS**

Required components:

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/type White



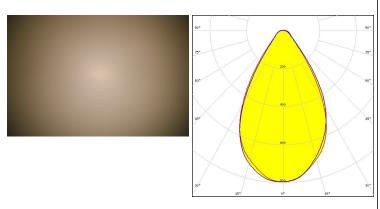
Light distribution files



## **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/type White
Required components:



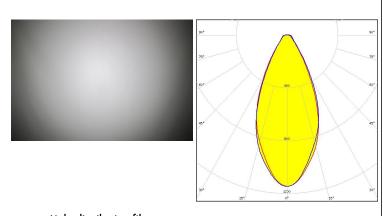
Light distribution files

## **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/type White Required components:

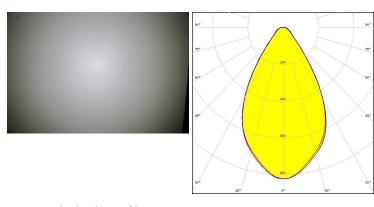


Light distribution files

## **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/type White
Required components:



Light distribution files



## **SAMSUNG**

LED HILOM RH16 (LH351C)

FWHM / FWTM 61.0° / 96.0°

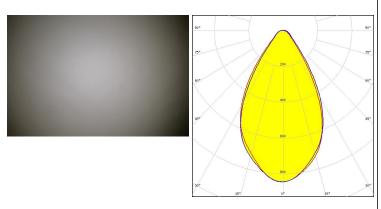
Efficiency 94 %

Peak intensity 0.9 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:



Light distribution files

## **SAMSUNG**

LED HILOM RM12 Z (LH502C)

FWHM / FWTM 57.0° / 98.0°

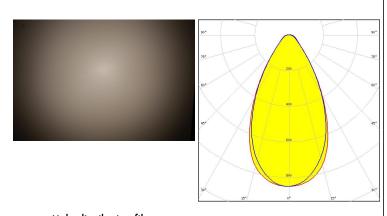
Efficiency 94 %

Peak intensity 0.9 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:

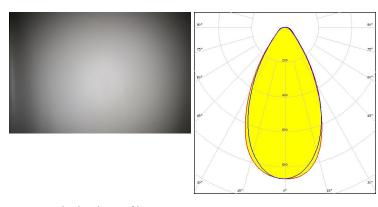


Light distribution files

## **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/type White
Required components:



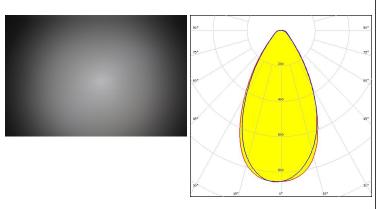
Light distribution files



## **SAMSUNG**

LED HILOM RM8 Z (LH502C)

FWHM / FWTM 57.0° / 98.0°
Efficiency 95 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

## **SAMSUNG**

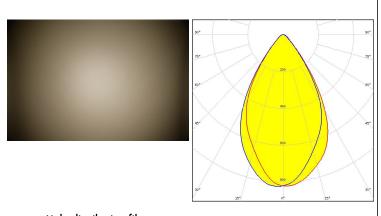
 LED
 LH351B

 FWHM / FWTM
 62.0° / 92.0°

 Efficiency
 86 %

 Peak intensity
 0.8 cd/lm

LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

## **SAMSUNG**

 LED
 LH351C

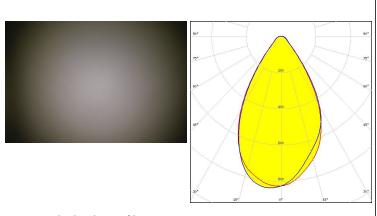
 FWHM / FWTM
 62.0° / 94.0°

 Efficiency
 93 %

 Peak intensity
 0.8 cd/lm

 LEDs (asch potics)
 1

LEDs/each optic 1
Light colour/type White
Required components:

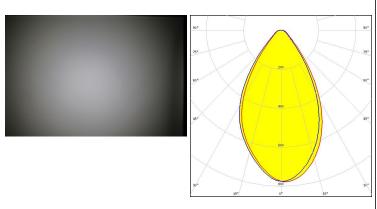


Light distribution files



## **SAMSUNG**

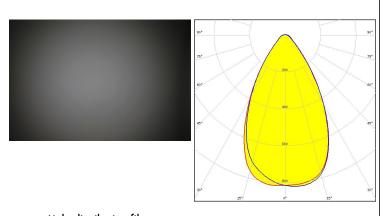
LED LH351D
FWHM / FWTM 62.0° / 99.0°
Efficiency 91 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

## **SAMSUNG**

LED LH508A
FWHM / FWTM 60.0° / 97.0°
Efficiency 93 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

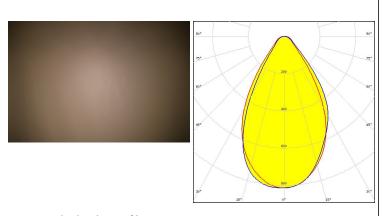


Light distribution files



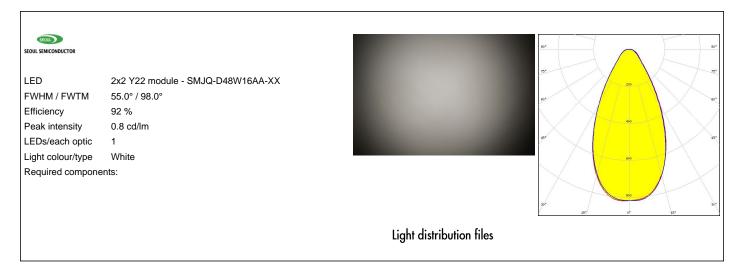
LED LED-Pa-L15c2W11c2-xxx-C050-01

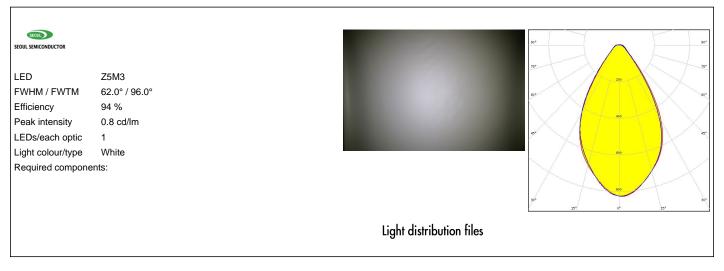
FWHM / FWTM 64.0° / 98.0°
Efficiency 95 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

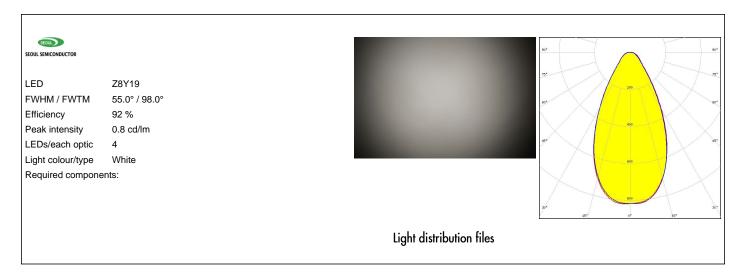


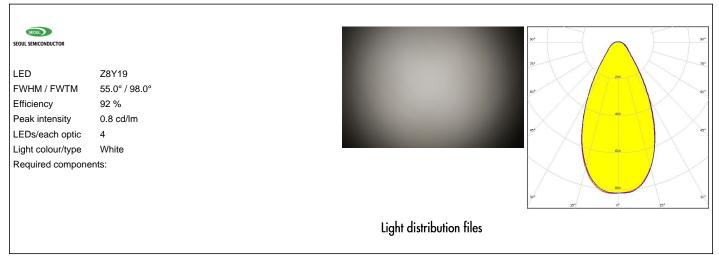


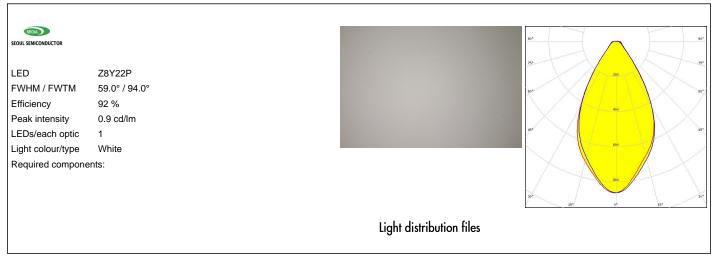














## **TRIDONIC**

LED RLE 2x4 2000lm HP EXC2 OTD

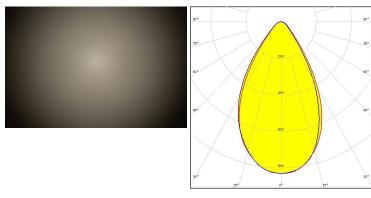
FWHM / FWTM 61.0° / 96.0°
Efficiency 94 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

## **TRIDONIC**

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/type White
Required components:

Protective plate, glass

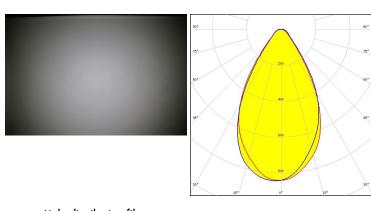


Light distribution files

## **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/type White
Required components:

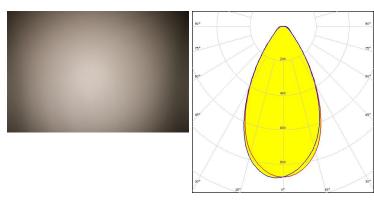




## **TRIDONIC**

LED RLE 2x8 6000lm HP HE EXC3 OTD

FWHM / FWTM 57.0° / 96.0°
Efficiency 95 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

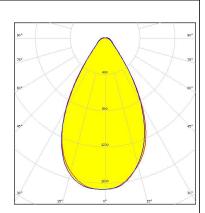


Light distribution files

## **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/type White
Required components:

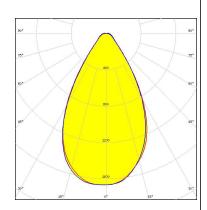


Light distribution files

## **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/type White
Required components:



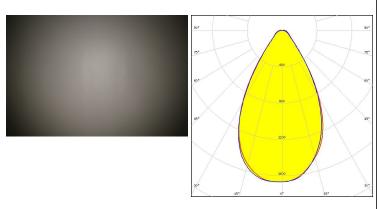
Light distribution files



## **TRIDONIC**

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/type White
Required components:

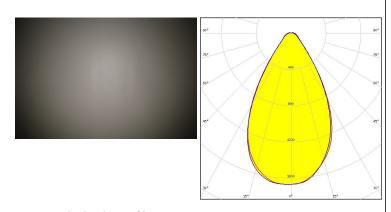


Light distribution files

# **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/type White
Required components:

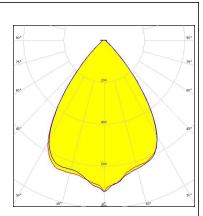


Light distribution files





LED XP-G2 HE
FWHM / FWTM 73.0° / 97.0°
Efficiency 95 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

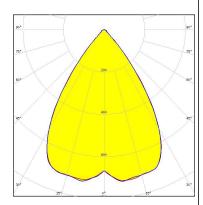


Light distribution files

# CREE \$

LED XP-G4
FWHM / FWTM 70.0° / 90.0°
Efficiency 90 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

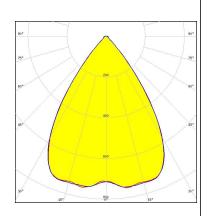
Protective plate, glass



Light distribution files

## CREE -

LED XP-G4
FWHM / FWTM 70.0° / 90.0°
Efficiency 95 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files





FWHM / FWTM 72.0° / 94.0°
Efficiency 90 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White

Protective plate, glass

Required components:

90°

707

200

60°

400

60°

30°

30°

30°

Light distribution files



LED XP-L HI
FWHM / FWTM 70.0° / 90.0°
Efficiency 91 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

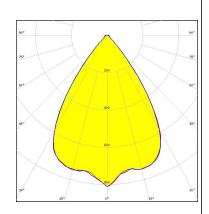
200 90° 200 00° 200 00° 200 00° 200 00°

Light distribution files

Protective plate, glass

## 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/type White
Required components:



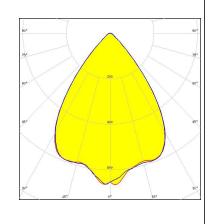




LED XP-L2
FWHM / FWTM 74.0° / 98.0°
Efficiency 89 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

Protective plate, glass



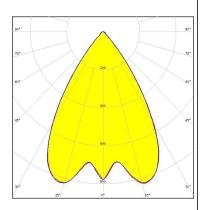
Light distribution files

# CREE \$

LED XP-P
FWHM / FWTM 66.0° / 86.0°
Efficiency 91 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

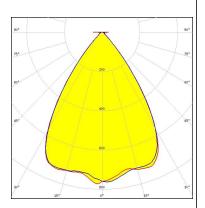
Protective plate, glass



Light distribution files

## CREE -

LED XT-E
FWHM / FWTM 69.0° / 90.0°
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:







LED LUXEON 3535L
FWHM / FWTM 66.0° / 89.0°

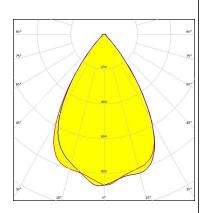
Efficiency 94 %

Peak intensity 0.9 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:



Light distribution files



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/type White
Required components:

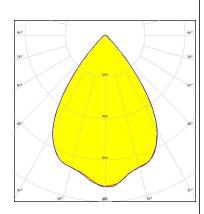
Light distribution files

Protective plate, glass

## **MILEDS**

LED LUXEON HL2X
FWHM / FWTM 72.0° / 94.0°
Efficiency 90 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

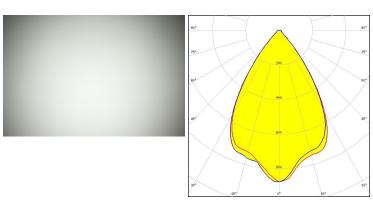
Protective plate, glass







LED LUXEON MZ
FWHM / FWTM 66.0° / 90.0°
Efficiency 94 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

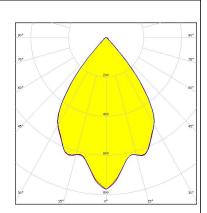


Light distribution files



LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)

FWHM / FWTM 72.0° / 90.0°
Efficiency 87 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



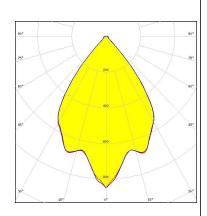
Light distribution files

Protective plate, glass

## **MILEDS**

LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)

FWHM / FWTM 72.0° / 90.0°
Efficiency 96 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

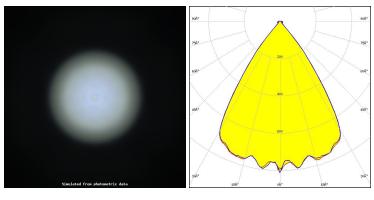






LED SST-20 Gen2
FWHM / FWTM 70.0° / 84.0°
Efficiency 96 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

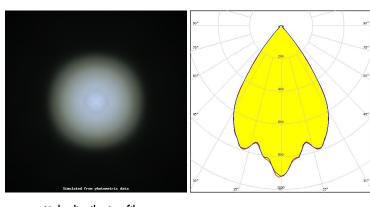


Light distribution files



LED SST-20F-W
FWHM / FWTM 68.0° / 84.0°
Efficiency 96 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

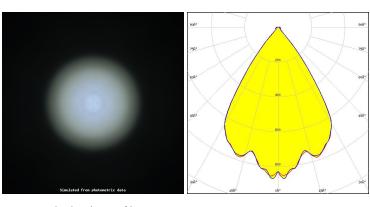


Light distribution files



LED SST-25-W
FWHM / FWTM 68.0° / 84.0°
Efficiency 96 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



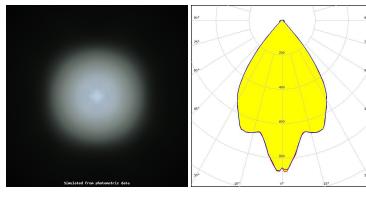
Light distribution files





LED SST-36F-W
FWHM / FWTM 70.0° / 88.0°
Efficiency 96 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

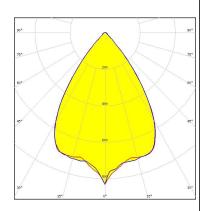


Light distribution files



LED NV4WB35AM
FWHM / FWTM 69.0° / 90.0°
Efficiency 95 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

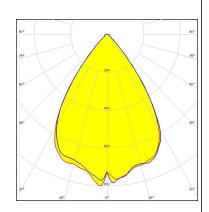


Light distribution files



LED NVSxx19B/NVSxx19C

FWHM / FWTM 70.0° / 90.0°
Efficiency 95 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

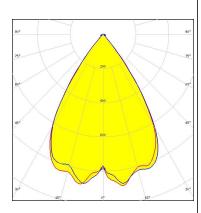


## OSRAM Opto Semiconductors

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

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

Required components:

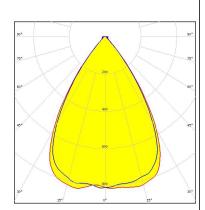


Light distribution files

# OSRAM Opto Semiconductore

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

Required components:

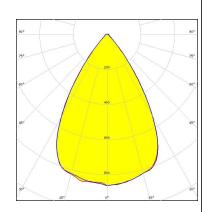


Light distribution files

#### **OSRAM**

OSCONIQ P 3737 (2W version)

FWHM / FWTM 66.0° / 88.0° Efficiency 96 % Peak intensity 0.9 cd/lm LEDs/each optic Light colour/type White Required components:



Light distribution files



#### OSRAM Opto Seminant

LED OSCONIQ P 3737 (2W version)

FWHM / FWTM 65.0° / 88.0°
Efficiency 90 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

Light distribution files

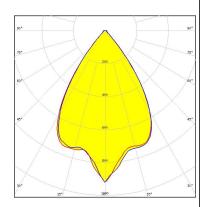
Protective plate, glass

#### OSRAM Opto Semiconductore

LED OSCONIQ P 3737 (3W version)

FWHM / FWTM 66.0° / 88.0°
Efficiency 94 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

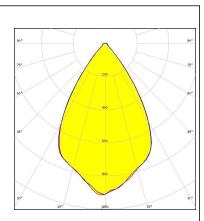


Light distribution files

#### **OSRAM**

LED OSCONIQ P 3737 Flat

FWHM / FWTM 64.0° / 88.0°
Efficiency 95 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

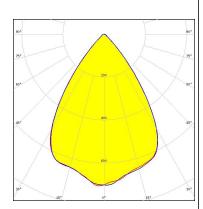




#### OSRAM Opto Seminant

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM 70.0° / 92.0°
Efficiency 86 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

Protective plate, glass

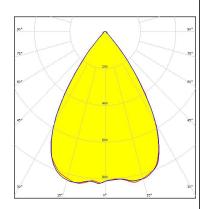
#### OSRAM Opto Semiconductore

Opto semiconducto

LED OSLON Square Flat

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

Required components:



Light distribution files

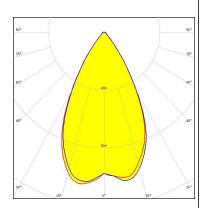
#### OSRAM

FWHM / FWTM

OSLON SSL 80 55.6° / 81.2°

Efficiency 94 %
Peak intensity 1.1 cd/lm

LEDs/each optic 1
Light colour/type White
Required components:



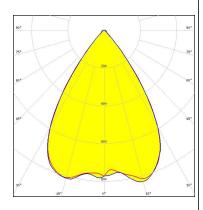


#### OSRAM Opto Semiconductors

LED OSTAR Projection Compact (KW.CSLNM1.TG)

FWHM / FWTM 68.0° / 88.0°
Efficiency 96 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



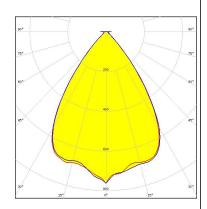
Light distribution files

## **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/type White

Required components:



Light distribution files

## **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/type White
Required components:

Protective plate, glass

Light distribution files



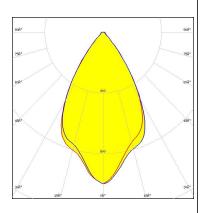
## **SAMSUNG**

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

White

Required components:

Light colour/type



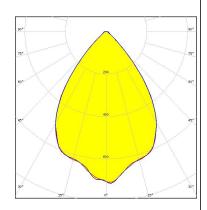
Light distribution files

## **SAMSUNG**

LED LH351D
FWHM / FWTM 74.0° / 100.0°
Efficiency 95 %

Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files



LED

SEOUL DC 5050 6V

 FWHM / FWTM
 64.0° / 93.0°

 Efficiency
 94 %

 Peak intensity
 0.8 cd/lm

LEDs/each optic 1
Light colour/type White

Required components:

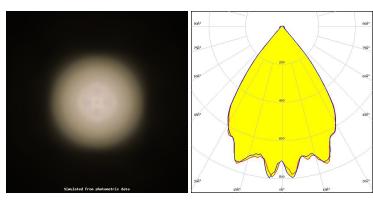
Light distribution files

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LED Z5M3-E1
FWHM / FWTM 72.0° / 86.0°
Efficiency 96 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



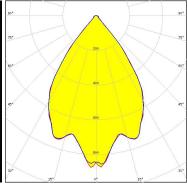
Light distribution files



LED Z5M4-E1
FWHM / FWTM 70.0° / 88.0°
Efficiency 96 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



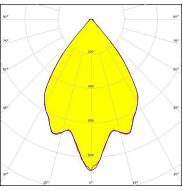


Light distribution files



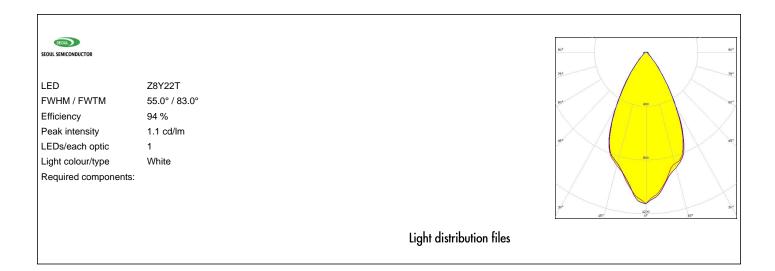
LED Z5M4-E2
FWHM / FWTM 70.0° / 88.0°
Efficiency 96 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:





Light distribution files







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

# Local sales and technical support

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