

#### HB-2X2-5050-S

#### ~25° spot beam for industrial applications

#### **SPECIFICATION:**

Dimensions 50.0 x 50.0 mm

Height 10.4 mm

Fastening screw

ROHS compliant yes 1

#### **MATERIALS:**

**Component**HB-2X2-5050-S
Multi-lens



#### **ORDERING INFORMATION:**

#### Component

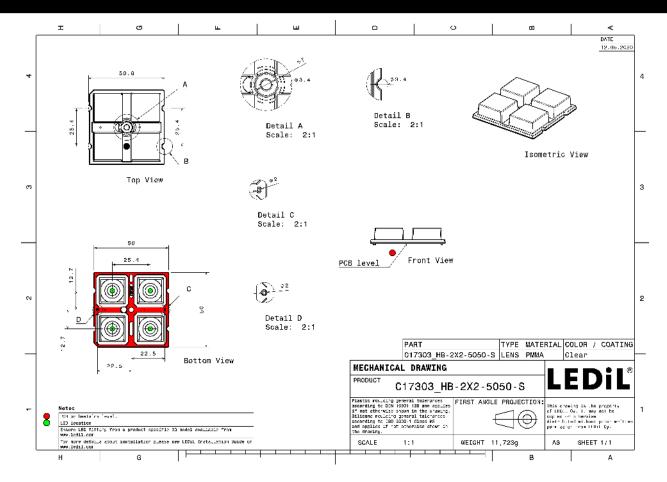
C17303\_HB-2X2-5050-S

» Box size: 480 x 280 x 300 mm

Qty in box	MOQ	MPQ	Box weight (kg)
800	160	160	10.2



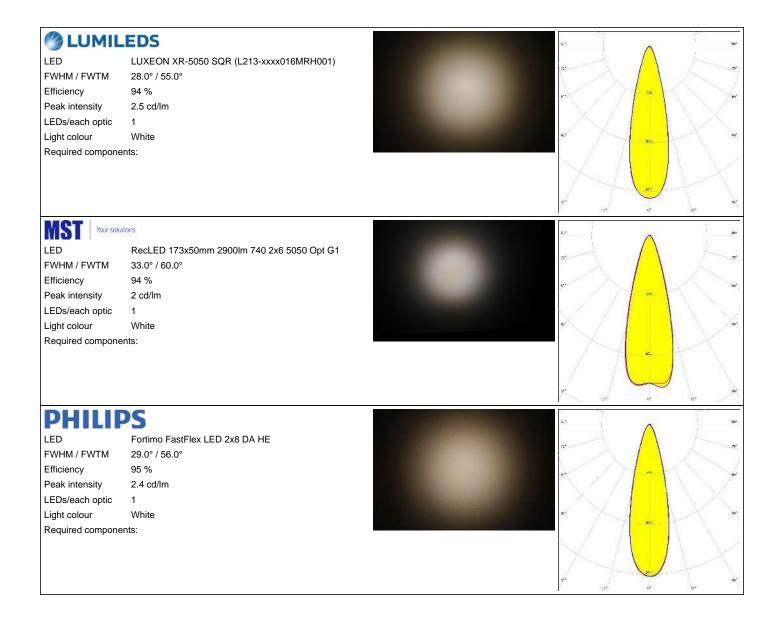
# **PRODUCT** C17303\_HB-2X2-5050-S



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



#### **OPTICAL RESULTS (MEASURED):**



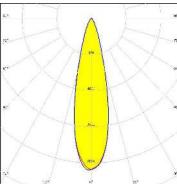


CREE . LED

LED J Series 5050 Round LES

FWHM / FWTM 26.0° / 50.0° Efficiency 93 % Peak intensity 3.4 cd/lm LEDs/each optic Light colour White

Required components:

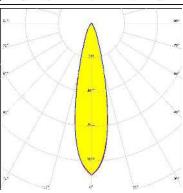


CREE & LED

LED J Series 5050 Square LES 6V

FWHM / FWTM 24.0° / 48.0° Efficiency 92 % Peak intensity 3.5 cd/lm LEDs/each optic 1 White Light colour

Required components:

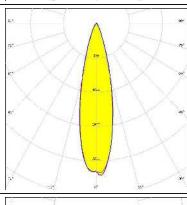


CREE + LED

LED XM-L RGBW (XMLDCL HI)

FWHM / FWTM 26.0° / 48.0° Efficiency 94 % Peak intensity 3.5 cd/lm LEDs/each optic Light colour **RGBW** 

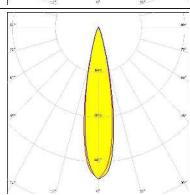
Required components:



CREE - LED

XP-G2 FWHM / FWTM 21.0° / 38.0° Efficiency 96 % Peak intensity 5.4 cd/lm

LEDs/each optic White Light colour Required components:







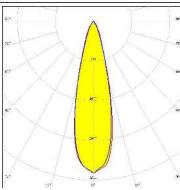




LED LUXEON 5050 Round LES

FWHM / FWTM 27.0° / 51.0° Efficiency 90 % Peak intensity 3.1 cd/lm LEDs/each optic Light colour White

Required components:

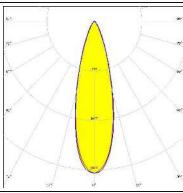


#### **LUMILEDS**

LUXEON 5050 Square LES LED

FWHM / FWTM 28.0° / 57.0° Efficiency 87 % Peak intensity 2.5 cd/lm LEDs/each optic 1 White Light colour Required components:

Protective plate, glass

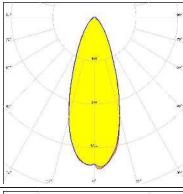


#### **MUMILEDS**

LUXEON 7070 LED  $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 38.0° / 79.0° Efficiency 89 %

Peak intensity 1.4 cd/lm LEDs/each optic 1

Light colour White Required components:

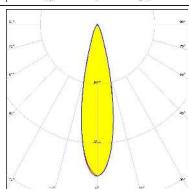


### **MUMILEDS**

LED LUXEON HL2X FWHM / FWTM 24.0° / 44.0° Efficiency 95 %

Peak intensity 4.1 cd/lm LEDs/each optic White Light colour

Required components:





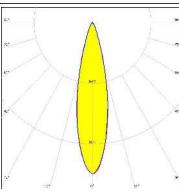


LED LUXEON HL2X-D FWHM / FWTM 24.0° / 46.0°

Efficiency 96 %
Peak intensity 4 cd/lm
LEDs/each optic 1

Light colour White

Required components:



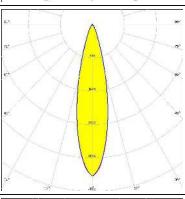
#### **MUMILEDS**

LED LUXEON HL2X-D FWHM / FWTM 24.0° / 46.0°

Efficiency 88 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1

Light colour White Required components:

Protective plate, glass



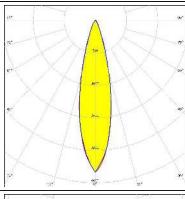
#### **BLUMILEDS**

LED LUXEON HL2X-P FWHM / FWTM 24.0° / 47.0°

Efficiency 95 %
Peak intensity 3.7 cd/lm

LEDs/each optic 1
Light colour White

7.0°



## **WNICHIA**

Required components:

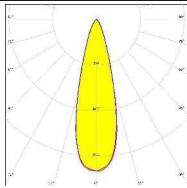
 LED
 NFMW48xA

 FWHM / FWTM
 29.0° / 55.0°

 Efficiency
 90 %

Peak intensity 2.7 cd/lm LEDs/each optic 1 Light colour White

Required components:





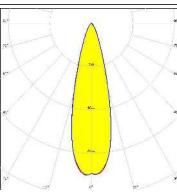
#### **WNICHIA**

LED NFMW48xA  $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 28.0° / 54.0°

Efficiency 93 % Peak intensity 2.8 cd/lm

LEDs/each optic Light colour White

Required components:



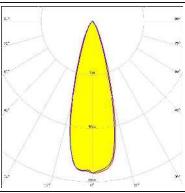
## OSRAM Opto Semiconductor

LED Duris S8 FWHM / FWTM 31.0° / 56.0°

Efficiency 87 % Peak intensity 2.3 cd/lm LEDs/each optic 1

White Light colour

Required components:



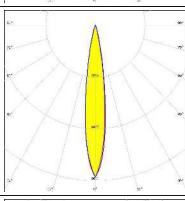
## OSRAM Opto Semiconductors

LED OSCONIQ C 2424 FWHM / FWTM 16.0° / 30.0° Efficiency 96 %

Peak intensity 9.4 cd/lm

LEDs/each optic Light colour White

Required components:

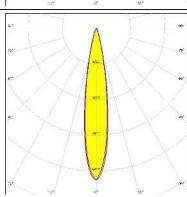


## OSRAM Opto Semiconductors

LED OSCONIQ P 3737 Flat

FWHM / FWTM 18.0° / 34.0° Efficiency 95 % Peak intensity 6.8 cd/lm LEDs/each optic White Light colour

Required components:





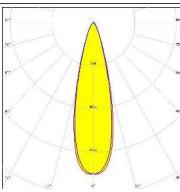
## OSRAM Opto Semiconductors

LED OSCONIQ S 5050 FWHM / FWTM 28.0° / 52.0°

Efficiency 94 % Peak intensity 2.8 cd/lm

LEDs/each optic Light colour White

Required components:



#### **OSRAM**

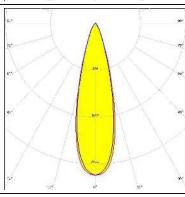
LED OSCONIQ S 5050

FWHM / FWTM 28.0° / 52.0° Efficiency 85 % Peak intensity 2.6 cd/lm

LEDs/each optic 1 White Light colour

Required components:

Protective plate, glass



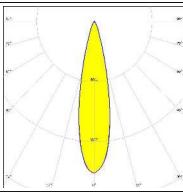
## OSRAM Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 24.0° / 42.0° Efficiency 87 % Peak intensity 4 cd/lm LEDs/each optic

Light colour White Required components:

Protective plate, glass

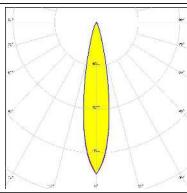


## OSRAM Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM 20.0° / 38.0° Efficiency 95 % Peak intensity 5.6 cd/lm LEDs/each optic White Light colour

Required components:



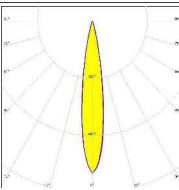


#### OSRAM Opto Semiconductors

LED OSLON Square Flat

FWHM / FWTM 17.0° / 30.0°
Efficiency 96 %
Peak intensity 8.5 cd/lm
LEDs/each optic 1
Light colour White

Required components:



#### OSRAM

LED OSTAR Projection Compact (Kx.CSLNM1.xx)

FWHM / FWTM 19.0° / 32.0°

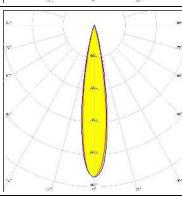
Efficiency 96 %

Peak intensity 7.5 cd/lm

LEDs/each optic 1

Light colour White

Required components:



## SAMSUNG

 LED
 LH502C

 FWHM / FWTM
 28.0° / 54.0°

 Efficiency
 92 %

 Peak intensity
 2.8 cd/lm

LEDs/each optic 1
Light colour White
Required components:

## SAMSUNG

LED LH502C FWHM / FWTM 28.0° / 54.0°

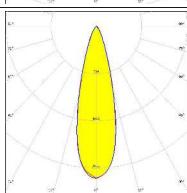
Efficiency 85 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1

Required components:

Light colour

Protective plate, glass

White





## SAMSUNG

LED LH508B

FWHM / FWTM 28.0° / 56.0°

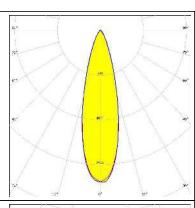
Efficiency 92 %

Peak intensity 2.7 cd/lm

LEDs/each optic 1

Light colour White

Required components:



## SAMSUNG

LED LM301B

FWHM / FWTM 16.0° / 32.0°

Efficiency 94 %

Peak intensity 7.7 cd/lm

LEDs/each optic 1

Light colour White Required components:





LED MJT 5050

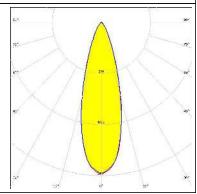
FWHM / FWTM 30.0° / 60.0°

Efficiency 92 %

Peak intensity 2.4 cd/lm

LEDs/each optic 1
Light colour White

Required components:





# PRODUCT DATASHEET C17303\_HB-2X2-5050-S

#### **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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