

# PRODUCT DATASHEET C13233\_HB-2X2-M

# HB-2X2-M

~25° medium beam

#### **SPECIFICATION:**

Dimensions	50.0 x 50.0
Height	8.5 mm
Fastening	glue, pin, screw
ROHS compliant	yes 🛈



## **MATERIALS:**

Component	Туре	Material	Colour	Finish	Length (mm)
HB-2X2-M	Multi-lens	PMMA	clear		

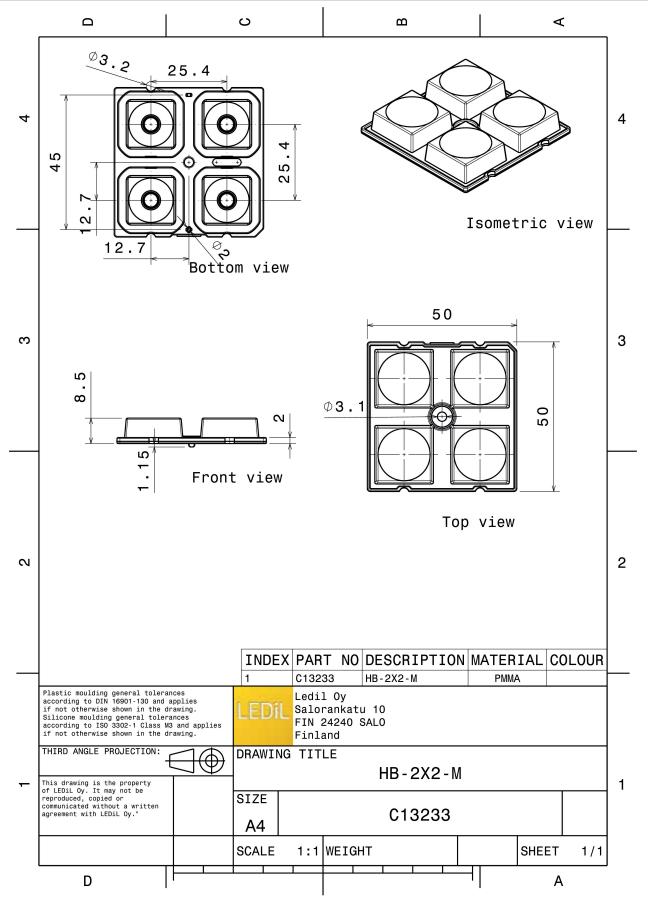
#### **ORDERING INFORMATION:**

Component	
C13233_HB-2X2-M	
» Box size: 480 x 280 x 300 mm	

Qty in box	MOQ	MPQ	Box weight (kg)
800	160	160	9.2

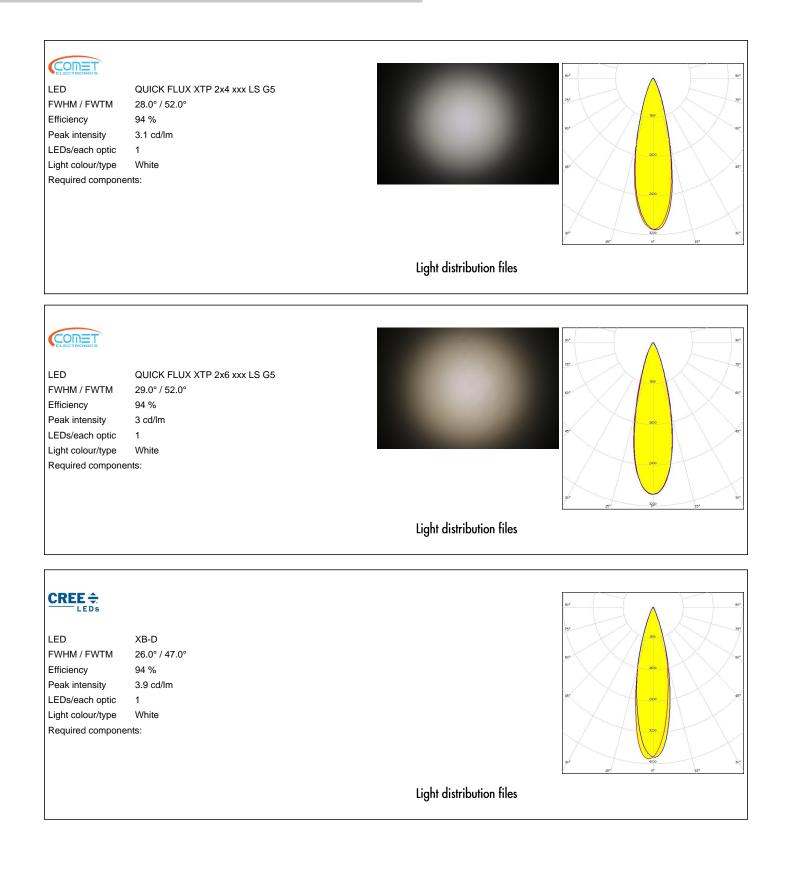
PRODUCT DATASHEET C13233\_HB-2X2-M



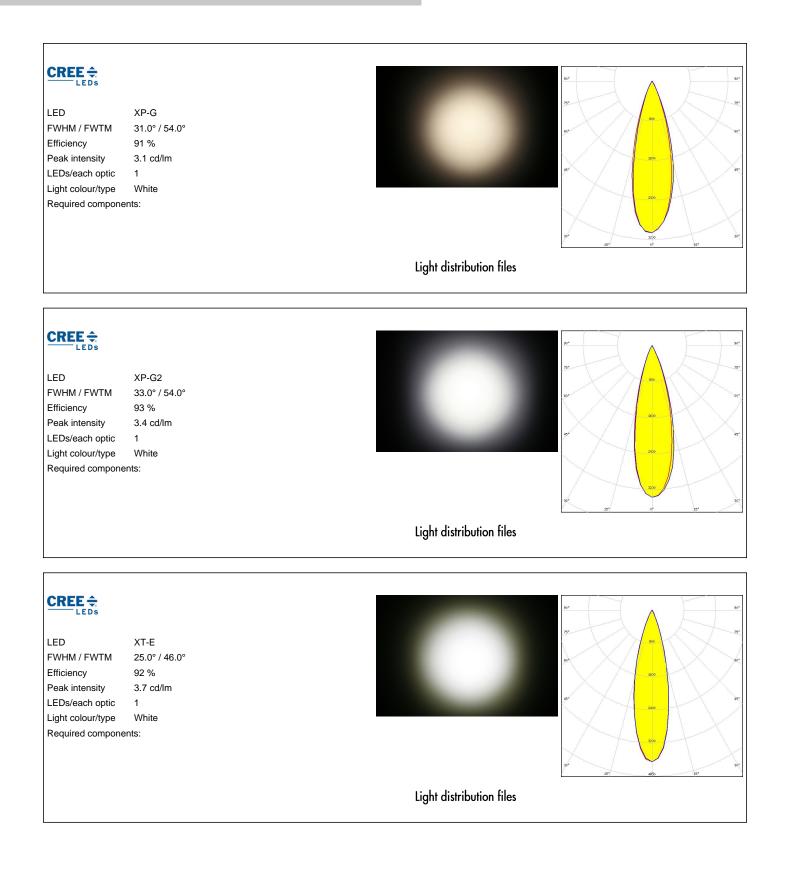


See also our general installation guide: www.ledil.com/installation\_guide

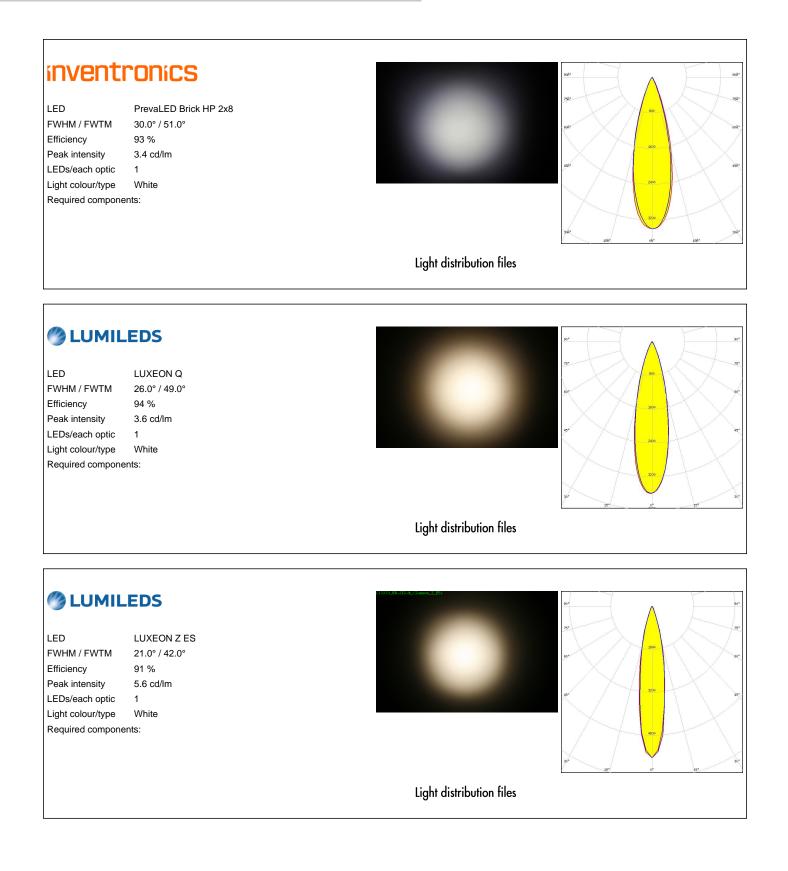




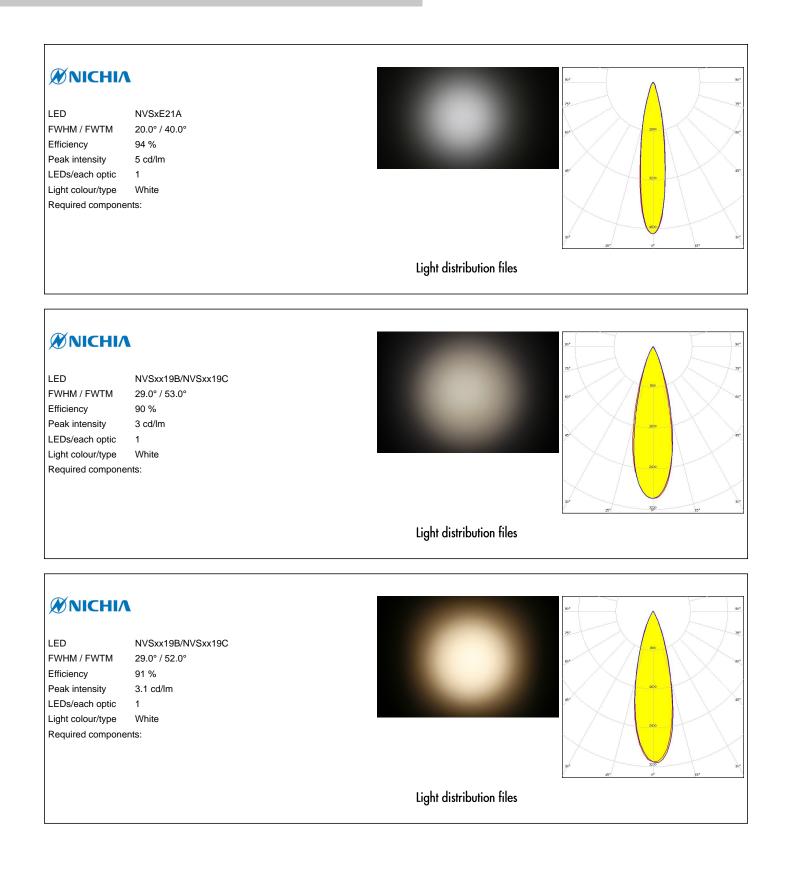




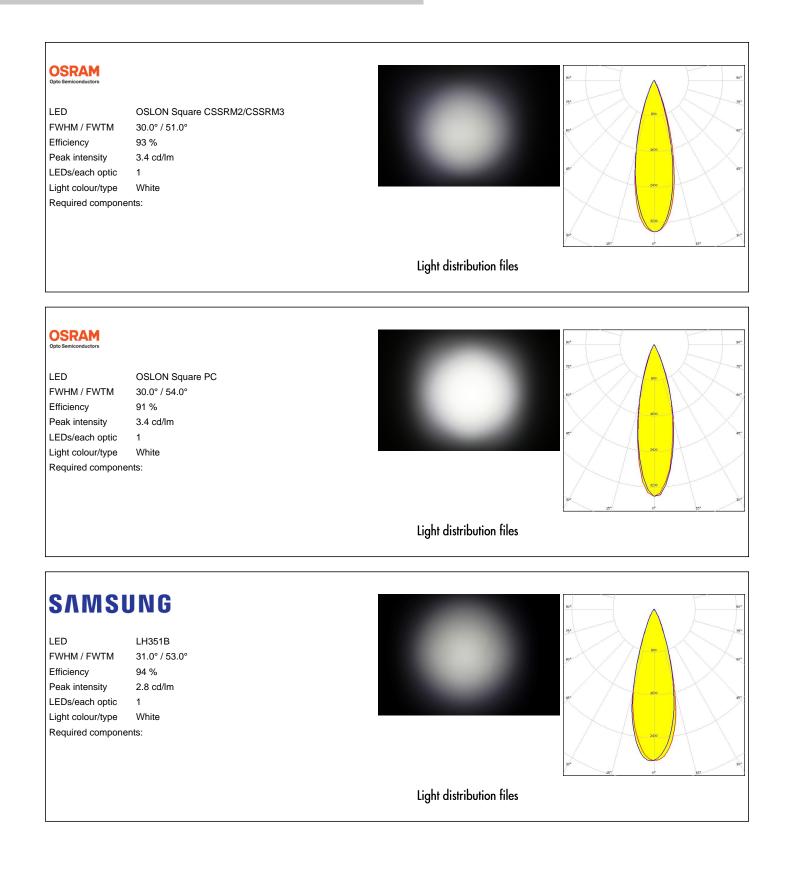




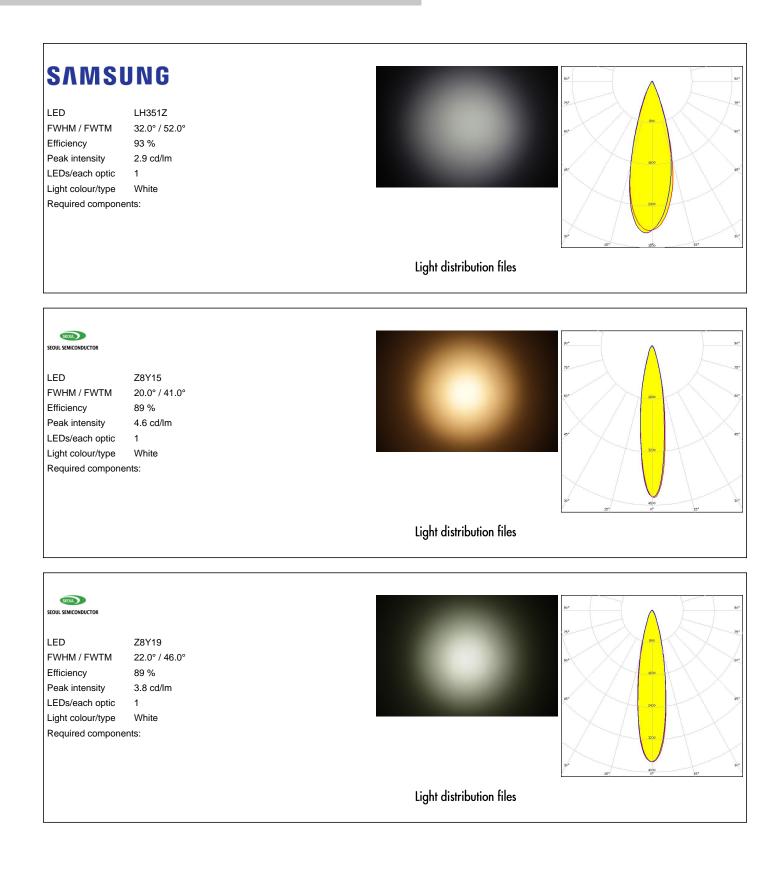














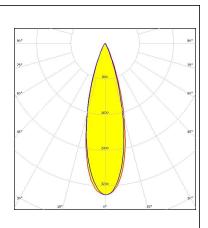
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required compone	Z8Y22 24.0° / 53.0° 94 % 3 cd/lm 1 White nts:	
		Light distribution files
SEQUI SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required compone	Z8Y22P 28.0° / 56.0° 94 % 2.9 cd/lm 1 White nts:	Light distribution files
<b>TOSHIBA</b> Leading Innovation >> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required compone	TL1L4 25.0° / 46.0° 85 % 3.5 cd/lm 1 White nts:	Light distribution files



# TRIDONIC

LEDRLE 2xFWHM / FWTM29.0° /Efficiency93 %Peak intensity3.4 cd/LEDs/each optic1Light colour/typeWhiteRequired components:

RLE 2x4 2000lm HP EXC2 OTD 29.0° / 50.0° 93 % 3.4 cd/lm 1 White ents:

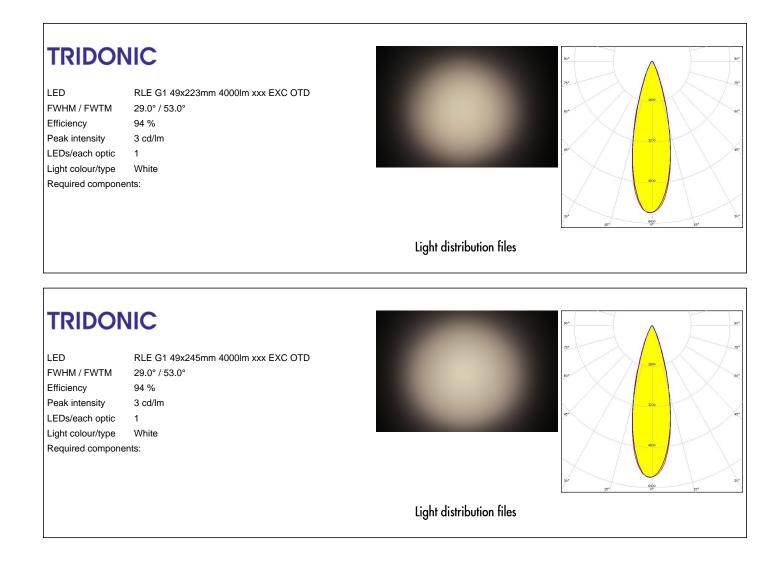


Light distribution files

#### TRIDONIC LED RLE G1 49x121mm 2000lm xxx EXC OTD FWHM / FWTM 29.0° / 53.0° Efficiency 94 % Peak intensity 3 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 29.0° / 53.0° Efficiency 94 % Peak intensity 3 cd/lm LEDs/each optic 1 Light colour/type White Required components:

Light distribution files





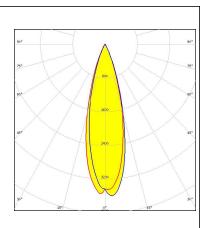


LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	XD16 28.0° / 48.0° 95 % 3.6 cd/lm 1 White	
		Light distribution files
CREE S LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components: Protective plat		Light distribution files
CREE Constructions	XQ-E HI 22.0° / 42.0° 93 % 5.5 cd/lm 1 White	Light distribution files

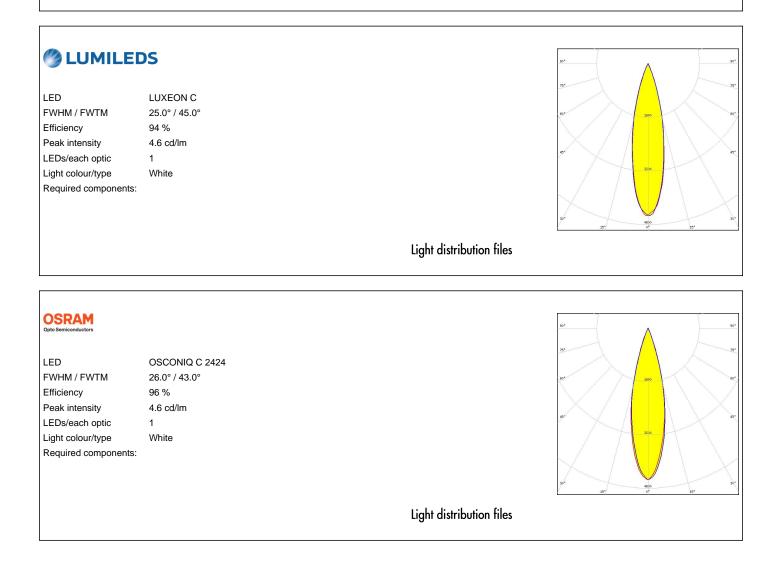


# UMILEDS

LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components: LUXEON 3030 2D (Round LES) 28.0° / 49.0° 94 % 3.6 cd/lm 1 White



#### Light distribution files





OSRAM Opto Semiconductors			90°
LED	OSCONIQ C 3030		
FWHM / FWTM	28.0° / 46.0°		ege X
Efficiency	88 %		
Peak intensity	3.6 cd/lm		
LEDs/each optic	1		97°
Light colour/type	White		
Required components:			
			320
			300 00 00 00 00 00
		Light distribution files	
OSRAM Opto Semiconductors			90 <sup>1</sup>
LED	OSCONIQ C 3030		
FWHM / FWTM	28.0° / 46.0°		600
Efficiency	96 %		
Peak intensity	3.9 cd/lm		
LEDs/each optic	1		2430
Light colour/type	White		$\times \land \land \times$
Required components:			
			30° 600 12°
		Light distribution files	
OSRAM Opto Semiconductors			50 <sup>4</sup>
LED	OSLON Square CSSRM2/CSSRM3		
FWHM / FWTM	36.0° / 56.0°		60.000
Efficiency	87 %		
Peak intensity	2.3 cd/lm		$ \times$ / / $\wedge$ $\times$
LEDs/each optic	1		9°*
Light colour/type	White		1600
Required components:			34° 100° 10° 10°
Protective plate	e, glass	Light distribution files	



#### OSRAM Opto Semiconductors LED OSLON SSL 80 FWHM / FWTM 29.6° / 48.1° Efficiency 94 % Peak intensity 3.5 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files **SAMSUNG** I FD I H231B 28.0° / 50.0° FWHM / FWTM 94 % Efficiency Peak intensity 3.4 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files SEOUL SEOUL SEMICONDUCTOR LED Z8Y22T FWHM / FWTM 28.0° / 51.0° Efficiency 94 % Peak intensity 3.4 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files



#### **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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