

# HB-2X2-WW

~65° wide beam

## **SPECIFICATION:**

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



PRODUCT DATASHEET C13232\_HB-2X2-WW

#### **MATERIALS**:

Component	Туре	Material	Colour	Finish	Length
HB-2X2-WW	Multi-lens	PMMA	clear		50.0

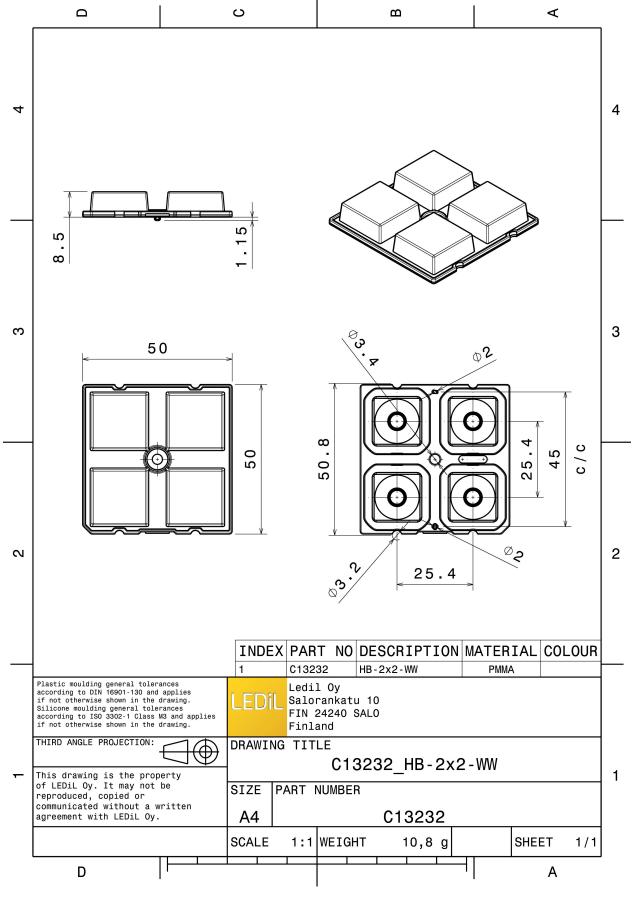
#### **ORDERING INFORMATION:**

(	Component
(	C13232_HB-2X2-WW
:	» Box size: 480 x 280 x 300 mm

Qty in box	MOQ	MPQ	Box weight (kg)
800	160	160	9.5

PRODUCT DATASHEET C13232\_HB-2X2-WW



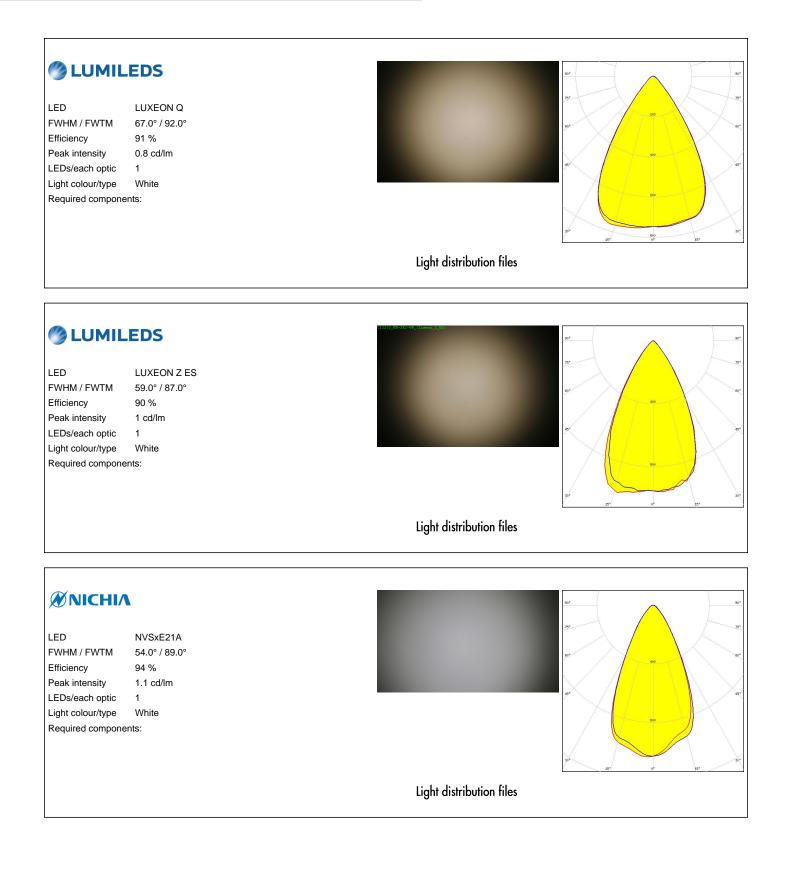


See also our general installation guide: <u>www.ledil.com/installation\_guide</u>

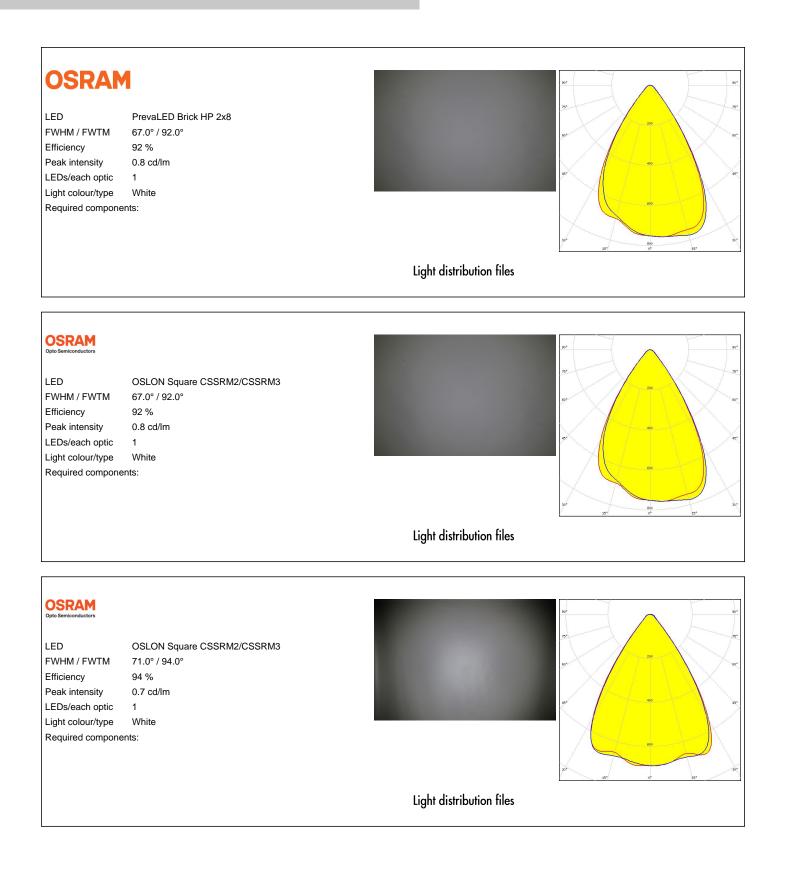


CREE XP-G   LED XP-G   FWHM / FWTM 69.0° / 92.0°   Efficiency 91 %   Peak intensity 0.8 cd/lm   LEDs/each optic 1   Light colour/type White   Required components:	
	Light distribution files
LED XP-G2   FWHM / FWTM 69.0° / 92.0°   Efficiency 91 %   Peak intensity 0.7 cd/lm   LEDs/each optic 1   Light colour/type White   Required components: Image: Component in the second se	Light distribution files
LED XT-E FWHM / FWTM 65.0° / 89.0° Efficiency 91 % Peak intensity 0.9 cd/lm LEDs/each optic 1 Light colour/type White Required components:	Light distribution files



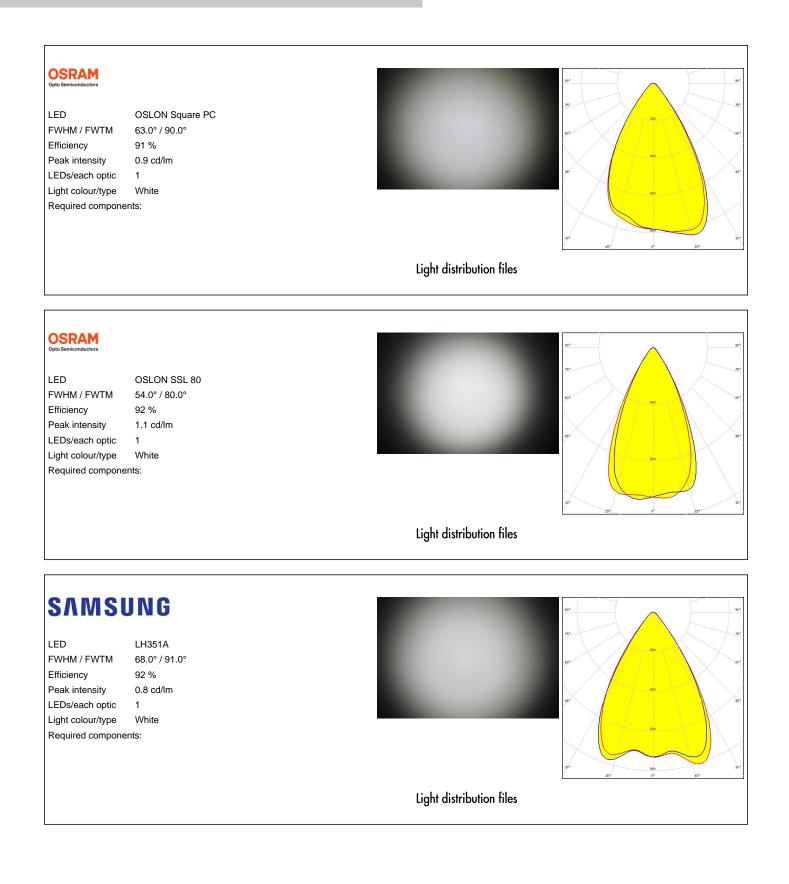




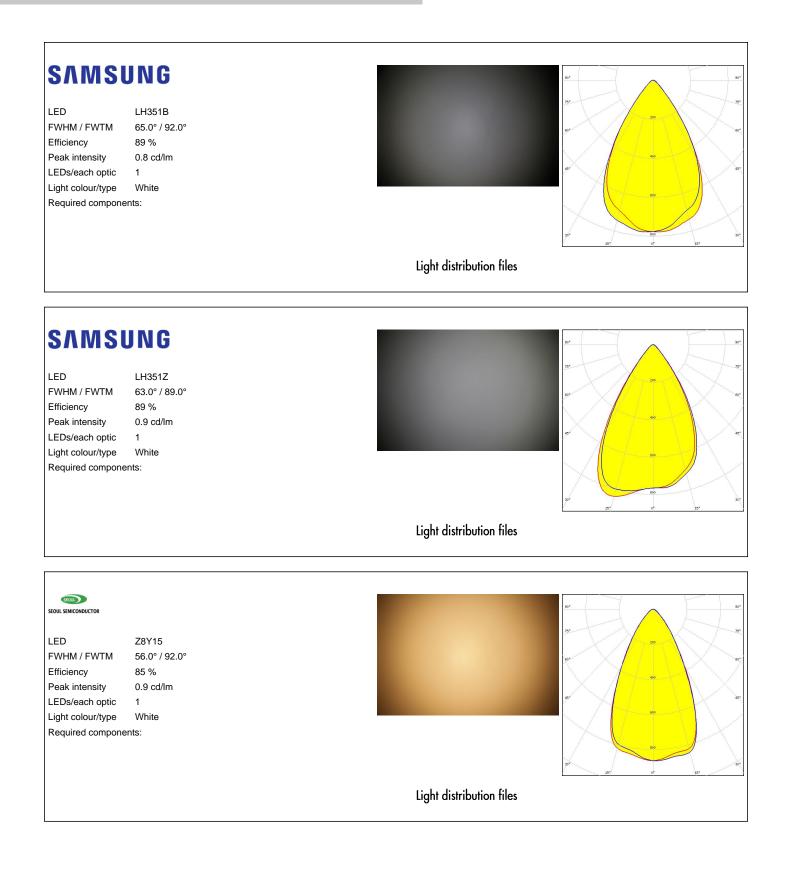


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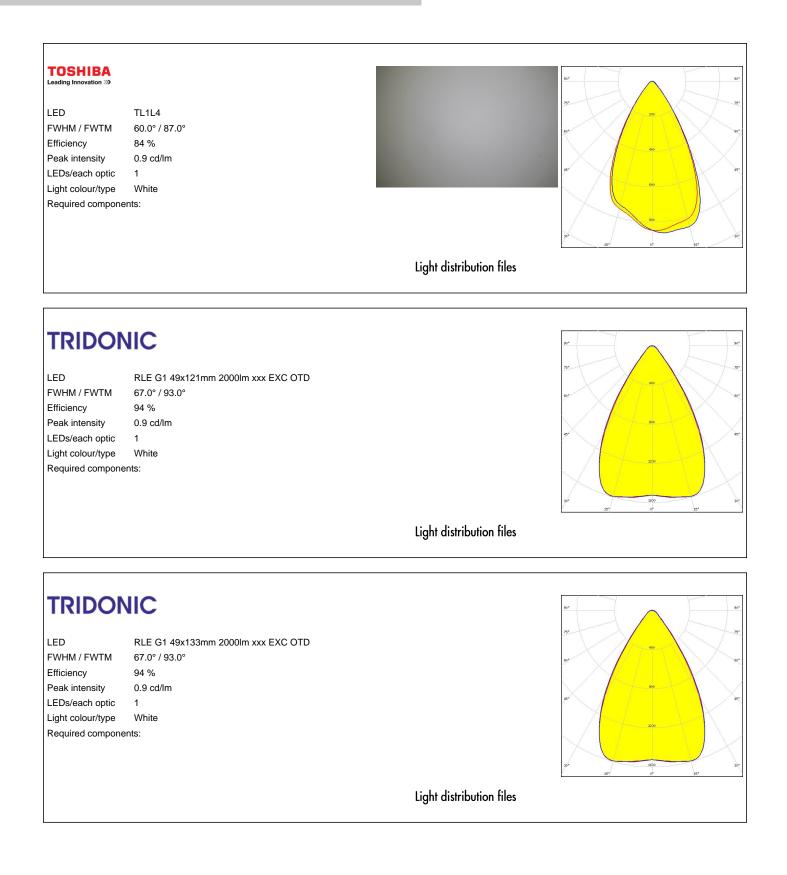




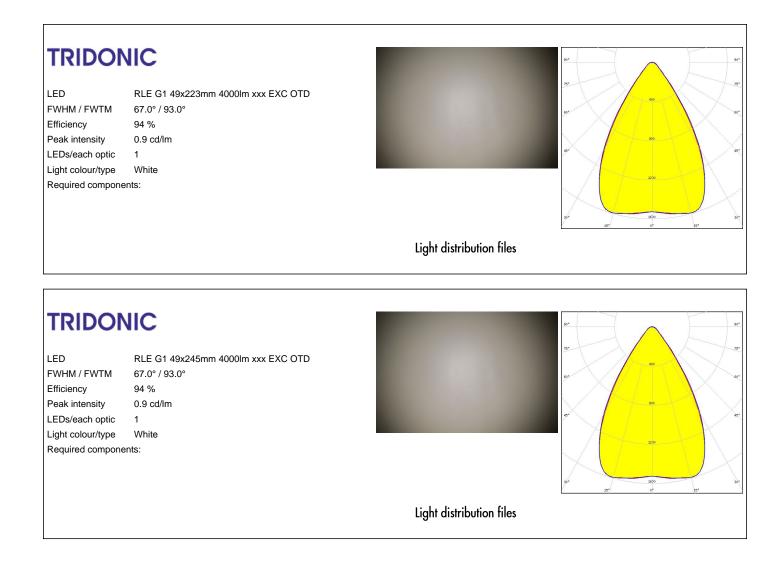


Light distribution files
Light distribution files
Light distribution files



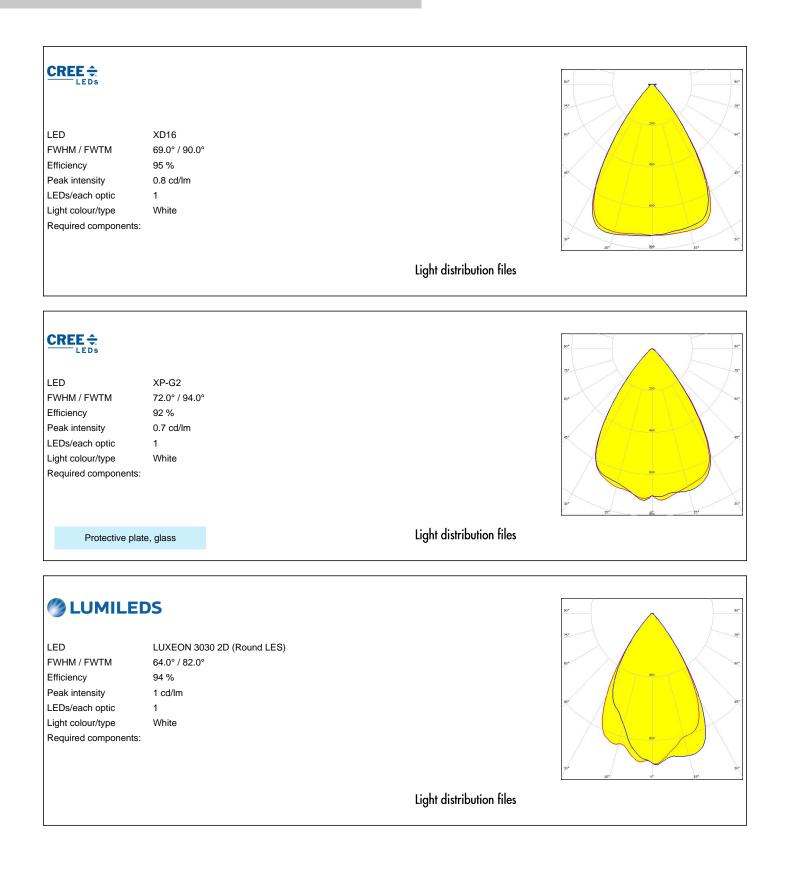








#### **OPTICAL RESULTS (SIMULATED):**





# **OPTICAL RESULTS (SIMULATED):**

ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	LUXEON C 65.0° / 88.0° 94 % 0.8 cd/lm 1 White	
		Light distribution files
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	OSCONIQ C 2424 68.0° / 82.0° 97 % 0.9 cd/lm 1 White	Light distribution files
OSRAM Optic Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	OSCONIQ C 3030 68.0° / 84.0° 89 % 0.9 cd/lm 1 White	
Protective plate	e, glass	Light distribution files



# **OPTICAL RESULTS (SIMULATED):**

OSRAM Opto Semiconductors	OSCONIQ C 3030 68.0° / 84.0° 97 % 0.9 cd/lm 1 White		90° 90° 73° 200 90° 60° 60° 60° 60° 80° 90° 60° 80° 80° 80° 80° 80° 80° 80° 80° 80° 8
		Light distribution files	
COSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components: Protective plate	OSLON Square CSSRM2/CSSRM3 70.0° / 94.0° 88 % 0.7 cd/m 1 White	Light distribution files	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	Z8Y22T 63.0° / 86.0° 94 % 1 cd/lm 1 White		
		Light distribution files	



# PRODUCT DATASHEET C13232 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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