

# 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 🛈



### **MATERIALS:**

Component HB-2X2-WW **Type** Multi-lens

Material	Colour	Finish
PMMA	clear	

### **ORDERING INFORMATION:**

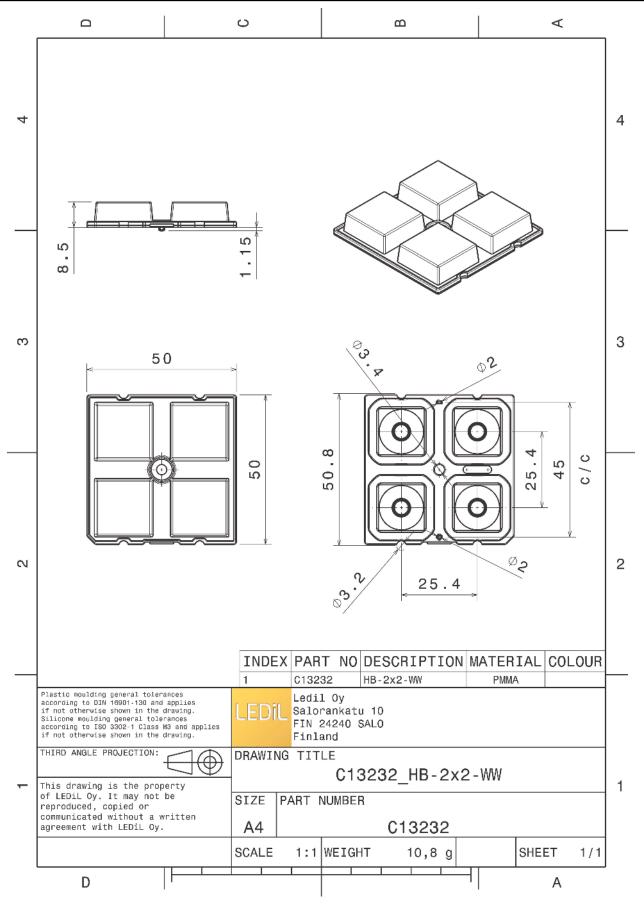
Component C13232\_HB-2X2-WW » Box size: 480 x 280 x 300 mm

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: www.ledil.com/installation\_guide



		1 <sup>1</sup>
LED	XP-G	
FWHM / FWTM	69.0° / 92.0°	
Efficiency	91 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	
LED	XP-G2	
FWHM / FWTM	69.0° / 92.0°	
Efficiency	91 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	
LED	XT-E	
FWHM / FWTM	65.0° / 89.0°	
Efficiency	91 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	e
Required compone	nts:	- / Hunnard -
		20
	EDS	1.7 Jan
LED	LUXEON Q	
FWHM / FWTM		#
	67.0°/92.0°	
Efficiency	67.0° / 92.0° 91 %	X
Efficiency Peak intensity	91 %	e
Peak intensity		27 W
	91 % 0.8 cd/lm	57 - 50 - W
Peak intensity LEDs/each optic	91 % 0.8 cd/lm 1 White	5° - 90 - 00°
Peak intensity LEDs/each optic Light colour	91 % 0.8 cd/lm 1 White	5° 0° 0° 6° 0° 50 0°
Peak intensity LEDs/each optic Light colour	91 % 0.8 cd/lm 1 White	C - 50
Peak intensity LEDs/each optic Light colour	91 % 0.8 cd/lm 1 White	



0.000	Barry Barry Street	
LUMIL	EDS	
LED	LUXEON Z ES	
FWHM / FWTM	59.0° / 87.0°	
Efficiency	90 %	
Peak intensity	1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
<b>ØNICHI</b>		
LED FWHM / FWTM	NVSxE21A 54.0° / 89.0°	
Efficiency	94 %	
Peak intensity	94 % 1.1 cd/lm	er / w
LEDs/each optic	1	
Light colour	' White	
Required compone		
OSRAN	4	
LED	PrevaLED Brick HP 2x8	
FWHM / FWTM	67.0° / 92.0°	2
Efficiency	92 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
OSRAM		
Opto Semiconductors		1.7 ×
LED	OSLON Square CSSRM2/CSSRM3	
FWHM / FWTM	67.0° / 92.0°	
Efficiency	92 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
		No the second se



OSRAM Opto Semiconductors		L.*
LED	OSLON Square CSSRM2/CSSRM3	
FWHM / FWTM	71.0° / 94.0°	
Efficiency	94 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	er
Required compone	ents:	
OSDAM		
OSRAM Opto Semiconductors		6.Y
LED	OSLON Square PC	
FWHM / FWTM	63.0° / 90.0°	
Efficiency	91 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
OSRAM Opto Semiconductors		2.
LED FWHM / FWTM	OSLON SSL 80 54.0° / 80.0°	
Efficiency	92 %	
Peak intensity	1.1 cd/lm	r* ***
LEDs/each optic	1	
Light colour	White	
Required compone		
<u></u>		
SAMS	JNG	
LED	LH351A	
FWHM / FWTM	68.0° / 91.0°	
Efficiency	92 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
		200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200
		$X \sim X$



SAMSI	UNG	
LED	LH351B	
FWHM / FWTM	65.0° / 92.0°	n to to to
Efficiency	89 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
Required compone		
SAMS	ING	
LED	LH351Z	
FWHM / FWTM	63.0° / 89.0°	
Efficiency	89 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
		2* ¥*
SEGUE		
SECUL SEMICONDUCTOR		
LED	Z8Y15	
FWHM / FWTM	56.0° / 92.0°	
Efficiency	85 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
(2014)		
SECUL SEMICONDUCTOR		
LED	Z8Y19	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
FWHM / FWTM	56.0° / 92.0°	
Efficiency	85 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	



stout structure LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Z8Y22 55.0° / 94.0° 94 % 1 cd/lm 1 White nts:	
		N* N*
stout stanconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Z8Y22P 65.0° / 95.0° 94 % 0.9 cd/lm 1 White nts:	
TOSHIBA		
Leading Innovation 33 LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone		
TRIDON		£.7
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	RLE G1 49x121mm 2000lm xxx EXC OTD 67.0° / 93.0° 94 % 0.9 cd/lm 1 White	



TRIDO	NIC	
LED	RLE G1 49x133mm 2000lm xxx EXC OTD	
FWHM / FWTM	67.0° / 93.0°	
Efficiency	94 %	e A A A A A A A A A A A A A A A A A A A
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
TRIDO	VIC	
LED	RLE G1 49x223mm 4000lm xxx EXC OTD	
FWHM / FWTM	67.0° / 93.0°	25
Efficiency	94 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
TRIDO		
LED	RLE G1 49x245mm 4000lm xxx EXC OTD	
FWHM / FWTM	67.0° / 93.0°	
Efficiency	94 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	



# **OPTICAL RESULTS (SIMULATED):**

	XD16	
FWHM / FWTM	69.0° / 90.0°	
Efficiency	95 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
		10 A
LED	XP-G2	
FWHM / FWTM	72.0° / 94.0°	
Efficiency	92 %	er / / / / / / / / / / / / / / / / / / /
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
Protective plate	e, glass	
	05	15°
LED	LUXEON 3030 2D (Round LES)	
FWHM / FWTM	64.0° / 82.0°	
Efficiency	94 %	
Peak intensity	1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
	DS S	10
LED	LUXEON C	
FWHM / FWTM	65.0° / 88.0°	
Efficiency	94 %	
Peak intensity	0.8 cd/lm	$\Lambda / \Lambda / \Lambda / \Lambda / \Lambda$
LEDs/each optic	1	
Light colour	White	
Required components:		



# **OPTICAL RESULTS (SIMULATED):**

OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSCONIQ C 2424 68.0° / 82.0° 97 % 0.9 cd/lm 1 White	
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Protective plate	OSLON Square CSSRM2/CSSRM3 70.0° / 94.0° 88 % 0.7 cd/lm 1 White	
scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Z8Y22T 63.0° / 86.0° 94 % 1 cd/lm 1 White	



# 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:

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