

HB-2X2-RW

 ${\sim}50^\circ$ wide beam optimized for CREE XP-L and XM-L

TECHNICAL SPECIFICATIONS:

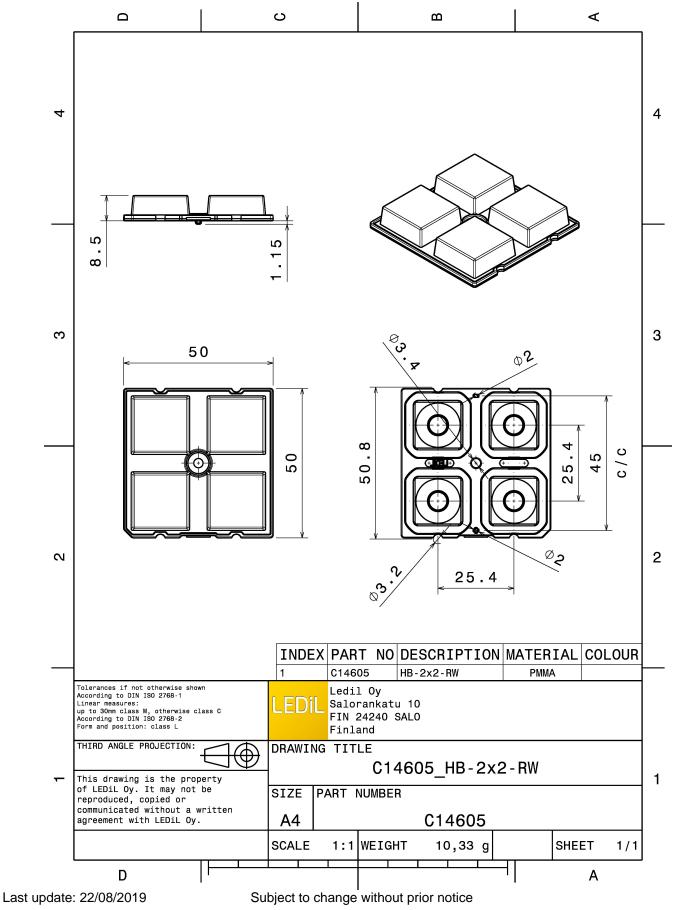
Dimensions	50.0 mm
Height	8.5 mm
Fastening	pin, screw
Colour	clear
Box size	476 x 273 x 292 mm
Box weight	9.1 kg
Quantity in Box	800 pcs
ROHS compliant	yes 🛈



MATERIAL SPECIFICATIONS:

Component HB-2X2-RW **Type** Multi-lens **Material** PMMA Colour clear



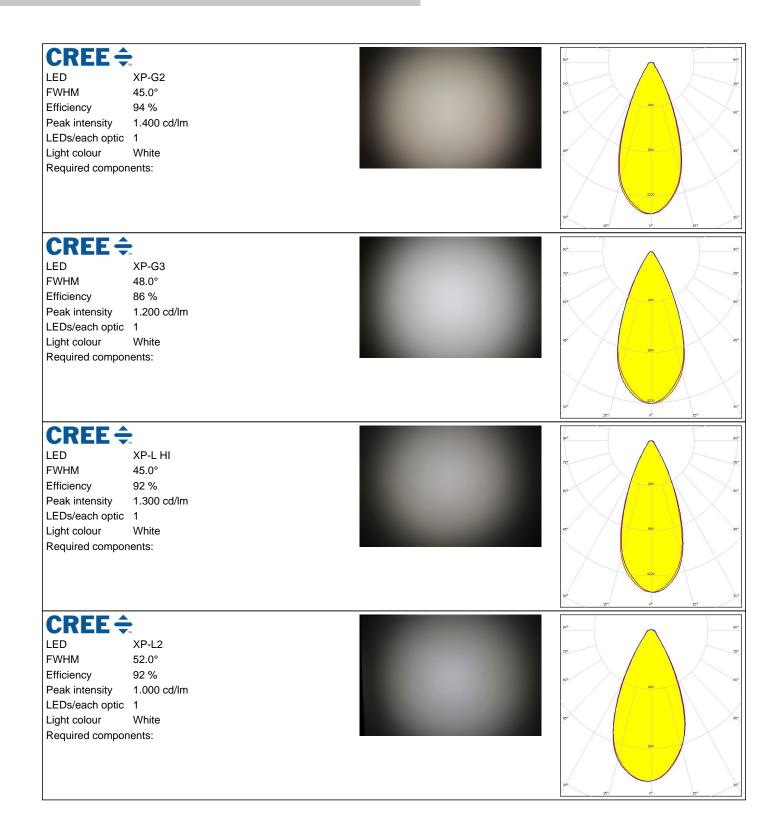


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bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	200 200 200 200 200 200 200 200
CREE \$	XD16 54.0° 92 % 0.920 cd/lm 4 White	30° 55° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	XD16 44.0° 90 % 1.400 cd/lm 1 White	20 20 20 20 20 100 100 100 100
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	XHP35 HD 53.0° 84 % 0.990 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20







CUMIL LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	LUXEON 5050 Round LES 55.0° 94 % 0.990 cd/lm 1 White	200
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	LUXEON V 52.0° 93 % 1.100 cd/lm 1 White	50° - 50° - 50°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	SST-10-B130 44.0° 96 % 1.526 cd/lm 1 Deep Red	
EED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NVSW219F 48.0° 94 % 1.200 cd/lm 1 White	



ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	NVSW319B 50.0° 94 % 1.200 cd/lm 1 White	20° 20° 20° 20° 20° 20° 20° 20° 20° 20°
WICHIA LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	NVSW3x9A 50.0° 93 % 1.200 cd/lm 1 White	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
OSRAM LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	PrevaLED Brick HP 2x8 49.0° 94 % 1.300 cd/lm 1 White	200 - 200 -
OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	White	200 200 200 200 200 200 200 200 200 200



PHILIP	S	
LED FWHM Efficiency	Fortimo FastFlex LED 2x8 DA G4 45.0° 93 %	77
Peak intensity	1.400 cd/lm	
LEDs/each optic		
Light colour	White	e' e
Required compor	ents:	250
SAMSU	NG	197 W 197
LED	HILOM RH16 (LH351C)	
FWHM	48.0°	
Efficiency	94 %	
Peak intensity	1.300 cd/lm	
LEDs/each optic		
Light colour	White	er 60 ez
Required compor	ents:	
		1220
		20* 20* 0* 30*
SAMSU	NG	90 ⁴ 90 ⁷
LED	LH351B	
FWHM	45.0°	
Efficiency	86 %	60
Peak intensity	1.320 cd/lm	
LEDs/each optic Light colour	1 White	
Required compor		
required compor	chts.	
		200
0.0.0.0		2000 20 ¹⁰ 20 ¹⁰ 20 ¹⁰ 20 ¹⁰
SAMSU		20 ¹ 0 ¹ 12 ¹
LED	LH351D	
LED FWHM	LH351D 49.0°	
LED FWHM Efficiency	LH351D 49.0° 94 %	
LED FWHM Efficiency Peak intensity	LH351D 49.0° 94 % 0.000 cd/lm	
LED FWHM Efficiency Peak intensity LEDs/each optic	LH351D 49.0° 94 % 0.000 cd/lm 1	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	LH351D 49.0° 94 % 0.000 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic	LH351D 49.0° 94 % 0.000 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	LH351D 49.0° 94 % 0.000 cd/lm 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	LH351D 49.0° 94 % 0.000 cd/lm 1 White	



SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	LH508A 56.0° 93 % 0.950 cd/lm 1 White	93 ⁴ 75 75 75 75 75 75 75 75 75 75
seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	
seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	24 UN CONTRACTOR OF CONTRACTON
seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	

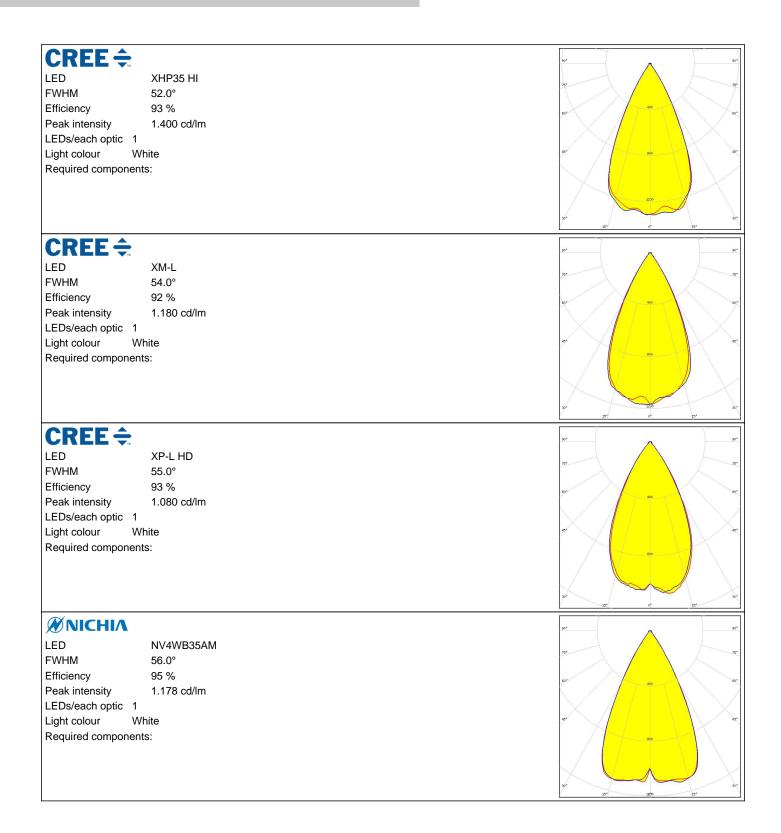


seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	59 ⁴ 59 ⁴ 59 ⁴ 50 69 ⁴ 50 60 ⁴ 50 60 60 60 50 50 50 50 50 50 50 50 50 50 50 50 50
seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	27 00 12 0 80 0
TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	RLE 2x4 2000lm HP EXC2 OTD 46.0° 94 % 1.400 cd/lm 1 White	
TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	RLE 2x8 4000lm HP EXC2 OTD 46.0° 94 % 1.400 cd/lm 1 White	200



TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	RLE G1 49x121mm 2000lm xxx EXC OTD 46.0° 94 % 1.400 cd/lm 1 White	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	RLE G1 49x133mm 2000lm xxx EXC OTD 46.0° 94 % 1.400 cd/lm 1 White	30° (0) 30° (0) 50°
TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	RLE G1 49x223mm 4000lm xxx EXC OTD 46.0° 94 % 1.400 cd/lm 1 White	
TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	RLE G1 49x245mm 4000lm xxx EXC OTD 46.0° 94 % 1.400 cd/lm 1 White	2







OSRAM Opto Semiconductors		30* 30*
LED	Duris S8	75. 75.
FWHM	57.0°	- 200
Efficiency	90 %	60°
Peak intensity	0.960 cd/lm	
LEDs/each optic 1		
	nite	es
Required component	S:	
Transparent prote	ctive cover	
		2 ⁴ 2 ⁵ 3 ⁶
OSRAM Opto Semiconductors		94°
LED	Duris S8	
FWHM	53.0°	75.
Efficiency	91 %	
Peak intensity	1.100 cd/lm	60°
LEDs/each optic 1		
	nite	er er
Required component		800
		30.
OSRAM		24° 250° 25°
Opto Semiconductors		
LED		
	OSCONIQ P 3030	75.
FWHM	42.0°	75
FWHM Efficiency	42.0° 96 %	72
FWHM Efficiency Peak intensity	42.0°	95°
FWHM Efficiency Peak intensity LEDs/each optic 1	42.0° 96 % 1.994 cd/lm	22 99 90 90 90 90 90 90
FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour W	42.0° 96 % 1.994 cd/lm nite	9 ² 000 00 ²
FWHM Efficiency Peak intensity LEDs/each optic 1	42.0° 96 % 1.994 cd/lm nite	5. 5. 5. 5. 5. 5. 5. 5. 5. 5.
FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour W	42.0° 96 % 1.994 cd/lm nite	75 - 72 - 64 - 60 - 64 - 650 -
FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour W	42.0° 96 % 1.994 cd/lm nite	725 - 735 000
FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour W	42.0° 96 % 1.994 cd/lm nite	30, 12, 0, 12, 3, 20, 20, 00, 00, 00, 21, 00, 00, 00, 00, 00, 00, 00, 00, 00, 0
FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wi Required component	42.0° 96 % 1.994 cd/lm nite	2 ³ 2 ³ 2 ³ 2 ³ 2 ³
FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wi Required component	42.0° 96 % 1.994 cd/lm nite s:	30, 30,
FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wi Required component	42.0° 96 % 1.994 cd/lm nite s: OSCONIQ P 3737 (2W version)	22- 22- 20- 20- 20- 20- 20- 20- 20- 20-
FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wi Required component	42.0° 96 % 1.994 cd/lm nite s: OSCONIQ P 3737 (2W version) 45.0°	
FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wi Required component Opto Semiconductors LED FWHM Efficiency	42.0° 96 % 1.994 cd/lm nite s: OSCONIQ P 3737 (2W version) 45.0° 96 %	
FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wi Required component Opto Semiconductors LED FWHM Efficiency Peak intensity	42.0° 96 % 1.994 cd/lm nite s: OSCONIQ P 3737 (2W version) 45.0°	
FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wi Required component Correst LED FWHM Efficiency Peak intensity LEDs/each optic 1	42.0° 96 % 1.994 cd/lm nite s: OSCONIQ P 3737 (2W version) 45.0° 96 % 1.697 cd/lm	
FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wi Required component Cossea Co	42.0° 96 % 1.994 cd/lm nite s: OSCONIQ P 3737 (2W version) 45.0° 96 % 1.697 cd/lm nite	
FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wi Required component Correst LED FWHM Efficiency Peak intensity LEDs/each optic 1	42.0° 96 % 1.994 cd/lm nite s: OSCONIQ P 3737 (2W version) 45.0° 96 % 1.697 cd/lm nite	
FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wi Required component Cossea Co	42.0° 96 % 1.994 cd/lm nite s: OSCONIQ P 3737 (2W version) 45.0° 96 % 1.697 cd/lm nite	
FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wi Required component Cossea Co	42.0° 96 % 1.994 cd/lm nite s: OSCONIQ P 3737 (2W version) 45.0° 96 % 1.697 cd/lm nite	



OSRAM Dyto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour W Required componen	OSCONIQ P 3737 (3W version) 52.0° 94 % 1.350 cd/lm /hite ts:	
OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour W Required component	OSCONIQ P 3737 Flat 50.0° 96 % 1.445 cd/lm /hite ts:	
PHILIPS LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour W Required componen	Fortimo FastFlex LED 2x8 DAX G4 51.0° 94 % 1.300 cd/lm /hite	
seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour W Required componen	SEOUL DC 5050 6V 54.0° 94 % 1.100 cd/lm /hite ts:	



SEOUL SEMICONDUCTOR		50 ⁴ 50 ⁴
LED	Z8Y22T	75°
FWHM	51.0°	
Efficiency	94 %	400 - 400 - 60°
Peak intensity	1.390 cd/lm	
LEDs/each optic 1		
Light colour W	hite	ar
Required componen	ts:	
		1200
		30" 25" 0" 35"



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.

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