

HB-IP-2X6-W

~60° wide beam

TECHNICAL SPECIFICATIONS:

Dimensions Height

ROHS compliant

Fastening

173.0 x 71.4 mm 11.4 mm pin, screw yes 🛈

MATERIAL SPECIFICATIONS:

Component HB-IP-2X6-W 2X6-SEAL25

Туре Multi-lens Seal



Material Colour PMMA Silicone

Finish

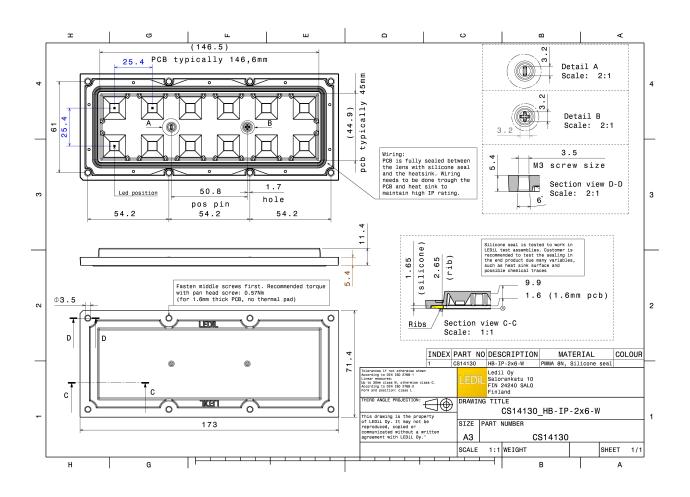
PRODUCT DATASHEET

CS14130_HB-IP-2X6-W

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CS14130_HB-IP-2X6-W	Multi-lens	120	40	40	8.4
» Box cizo: 176 x 272 x 217 mm					

» Box size: 476 x 273 x 247 mm



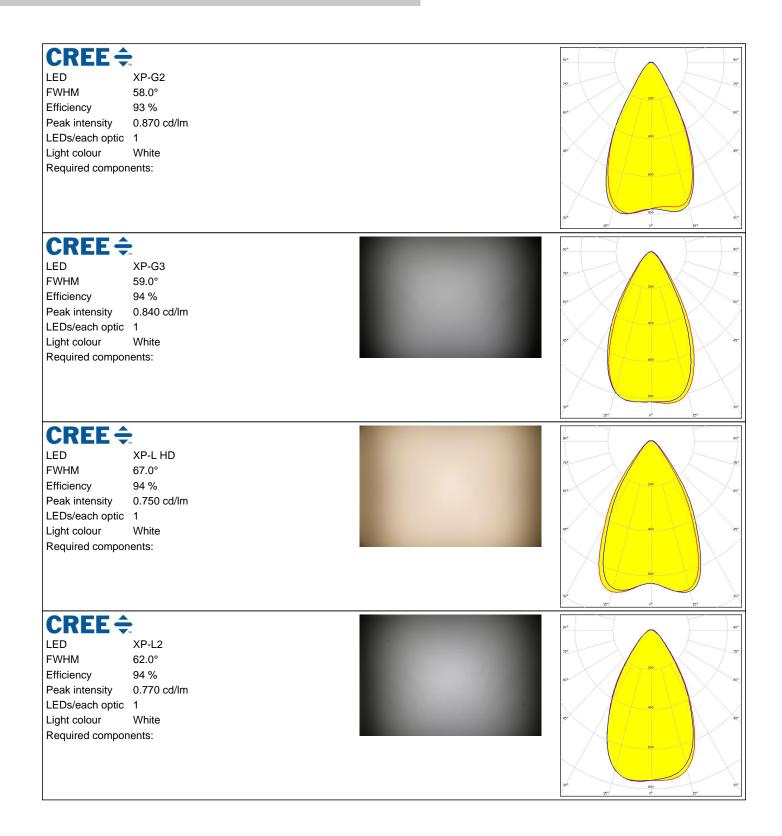


LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	50 50 50 50 50 50 50 50 50 50
		200 201 201 201 201 201 201 201 201 201
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	50 50 50 50 50 50 50 50 50 50
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	XM-L2 61.0° 94 % 0.800 cd/lm 1 White	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	XP-G 60.0° 94 % 0.840 cd/lm 1 White	5° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6

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PHOTOMETRIC DATA (MEASURED):

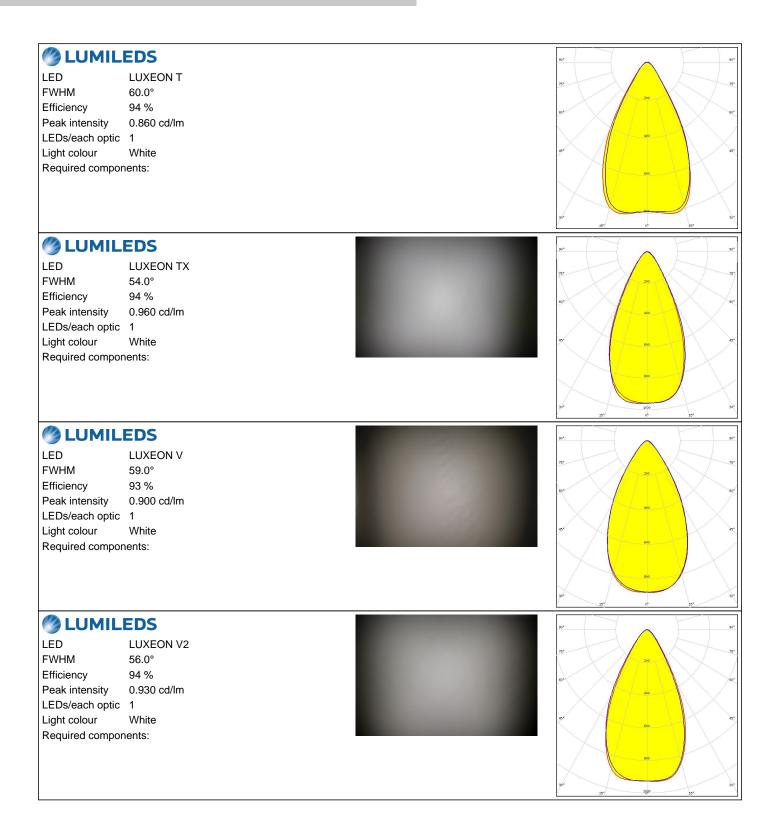




PHOTOMETRIC DATA (MEASURED):

CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	XT-E 58.0° 94 % 0.870 cd/lm 1 White 94 %	
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	XT-E HE 56.0° 94 % 0.910 cd/lm 1 White	
EUMILI LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	LUXEON R 58.0° 94 % 0.900 cd/lm 1 White	200
EUMILI LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	LUXEON Rebel ES 57.0° 94 % 0.860 cd/lm 1 White	





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EUMIL LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	LUXEON XR-TX (L2T0-xxyy012M) 60.0° 94 % 0.900 cd/lm 1 White	25°
EUMILI LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	LUXEON Z ES 52.0° 94 % 1.000 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	SST-10-B130 56.0° 96 % 0.986 cd/lm 1 Deep Red	50 50 50 50 60 60 60 60 60 60 60 60 60 60 60 60 60
WNCHIA LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NVSW219D 64.0° 94 % 0.880 cd/lm 1 White	

PRODUCT DATASHEET



MNICHIA

LED	NVSW219F			
FWHM	60.0°			
Efficiency	94 %			
Peak intensity	0.860 cd/lm			
LEDs/each optic	1			
Light colour	White			
Required components:				



ΜΝΙCΗΙΛ

LED	NVSW319B			
FWHM	64.0°			
Efficiency	94 %			
Peak intensity	0.800 cd/lm			
LEDs/each optic	1			
Light colour	White			
Required components:				

ΜΝΙCΗΙΛ

LEDNVSW3x9AFWHM60.0°Efficiency94 %Peak intensity0.830 cd/lmLEDs/each optic1Light colourWhiteRequired components:

ΜΝΙCΗΙΛ

 LED
 NVSxE21A

 FWHM
 51.0°

 Efficiency
 94 %

 Peak intensity
 1.140 cd/lm

 LEDs/each optic
 1

 Light colour
 White

 Required components:
 Hermitian

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Ø NICHIΛ	
LED	NVSxx19B/NVSxx19C
FWHM	58.0°
Efficiency	94 %
Peak intensity	0.870 cd/lm
LEDs/each optic	1
Light colour	White
Required compor	
LED	Duris S8
FWHM	54.0°
Efficiency	94 %
Peak intensity	1.000 cd/lm
LEDs/each optic	1
Light colour	White
Required compor	ients:
LED	Fortimo FastFlex LED 2x6 DP G4
FWHM	58.0°
Efficiency	93 %
Peak intensity	0.870 cd/lm
LEDs/each optic	
Light colour	White
Required compor	ients:
LED	Fortimo FastFlex LED 2x6 DPX G4
FWHM	59.0°
Efficiency	94 %
Peak intensity	0.840 cd/lm
LEDs/each optic	
Light colour	White
Required compor	

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LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	20 00 00 00 00 00 00 00 00 00
SEQUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	2x6 5050 module - SMJD-3625012F-XX 57.0° 94 % 1.000 cd/lm 1 White tents:	

PRODUCT DATASHEET



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stout semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	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 U 27 39 39 39 30 40 40 40 40 40 40 40 40 40 4
stout semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	Z5M1/Z5M2 59.0° 94 % 0.870 cd/lm 1 White	50 27 37 37 30 50 50 50 50 50 50 50 50 50 5
Required compor		600 904 20 07 07 07 07
Efficiency Peak intensity LEDs/each optic Light colour Required compor	94 % 0.855 cd/lm 1 White	

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SEOUL	
SEOUL SEMICONDUCTOR	Z8Y22
FWHM	53.0°
Efficiency	93 %
Peak intensity	93 % 0.980 cd/lm
LEDs/each optic	White
Light colour Required compor	
Required compor	
SEOUL SEOUL SEMICONDUCTOR	
LED	Z8Y22P
FWHM	57.0°
Efficiency	94 %
Peak intensity	0.880 cd/lm
LEDs/each optic	
Light colour	White
Required compor	
Required compor	
LED	TL1L4
FWHM	56.0°
Efficiency	94 %
Peak intensity	0.950 cd/lm
LEDs/each optic	
Light colour	White
Required compor	nents:
LED	RLE 2x6 3000lm HP EXC2 OTD
FWHM	57.0°
Efficiency	94 %
Peak intensity	0.910 cd/lm
LEDs/each optic	
Light colour	White
Required compor	nents:

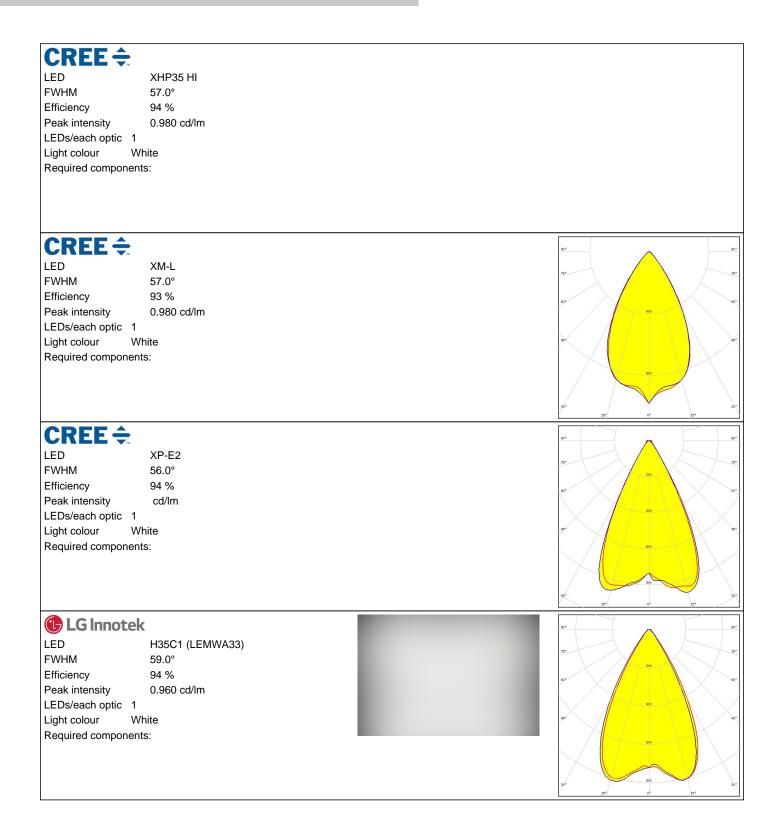
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CREE ≑	
LED	J Series 5050
FWHM	55.0°
Efficiency	94 %
Peak intensity	1.150 cd/lm
LEDs/each optic 1	
0	hite
Required componen	is:
CREE ≑	
LED	MHB-A/B
FWHM	60.0°
Efficiency	91 %
Peak intensity	0.860 cd/lm
LEDs/each optic 1	
	hite
Required componen	
rtoquirou componen	
CREE ≑	
LED	XB-D
FWHM	52.0°
Efficiency	90 %
Peak intensity	0.980 cd/lm
LEDs/each optic 1	
0	hite
Required componen	is:
CREE ≑	
LED	XHP35 HD
FWHM	60.0°
Efficiency	94 %
Peak intensity	0.930 cd/lm
LEDs/each optic 1	
Light colour W	hite
Required componen	is:

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🥙 LUMILE	DS	90* 90
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Nhite	75 75 75 75 75 75 75 75 75 75
	DS	90*
LED FWHM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Square LES 52.0° 97 % 1.190 cd/lm 1 White	25°
	DS	90* 90
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON Rebel 50.0° 93 % 1.120 cd/lm I White	
MICHIΛ		90* 90
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Nhite	75 60 ⁴ 5 ⁴

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ØNICHI Λ		
LED FWHM	NFMW48xA 55.0°	
Efficiency		
	97 % 1.127 cd/lm	
Peak intensity	1.127 CO/III	
LEDs/each optic 1 Light colour Wi	, ito	
Required component		
Required component	5.	
Mauguna		
Μ ΝΙCΗΙΛ		90° 90°
LED	NV4WB35AM	75*
FWHM	54.0°	
Efficiency	97 %	60° 60°
Peak intensity	1.239 cd/lm	
LEDs/each optic 1		
	ite	45°
Required component	S:	
		30° 30°
		15° 0° 35°
		90° 90°
LED	OSCONIQ P 3030	24*
FWHM	50.0°	
Efficiency	94 %	60° 400 60°
Peak intensity	1.165 cd/lm	
LEDs/each optic 1		$ \times / / \wedge \times $
Light colour WI	ite	a, as
	ite	g" et
Light colour WI	ite	gr
Light colour WI	ite	gr
Light colour WI	ite	34° 25° d° 25° 5° 6°
Light colour WI	ite	25 06 06 06 06 06 06 06 06 06 06
Light colour Wi Required component	nite s:	15 ⁰ 0 ⁰ 35 ⁰
Light colour Wi Required component	nite s: OSCONIQ P 3737 (2W version)	15 ⁰ 0 ⁰ 35 ⁰
Light colour Wi Required component LED FWHM	nite s: OSCONIQ P 3737 (2W version) 57.0°	15 ⁰ 0 ⁰ 35 ⁰
Light colour Wi Required component LED FWHM Efficiency	nite s: OSCONIQ P 3737 (2W version) 57.0° 94 %	15 ⁰ 0 ⁰ 35 ⁰
Light colour WI Required component LED FWHM Efficiency Peak intensity	nite s: OSCONIQ P 3737 (2W version) 57.0°	15 ⁰ 0 ⁰ 35 ⁰
Light colour WI Required component LED FWHM Efficiency Peak intensity LEDs/each optic 1	nite s: OSCONIQ P 3737 (2W version) 57.0° 94 % 1.100 cd/lm	15 ⁰ 0 ⁰ 35 ⁰
Light colour WI Required component LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour WI	nite s: OSCONIQ P 3737 (2W version) 57.0° 94 % 1.100 cd/lm nite	15 ⁰ 0 ⁰ 35 ⁰
Light colour WI Required component LED FWHM Efficiency Peak intensity LEDs/each optic 1	nite s: OSCONIQ P 3737 (2W version) 57.0° 94 % 1.100 cd/lm nite	15 ⁰ 0 ⁰ 35 ⁰
Light colour WI Required component LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour WI	nite s: OSCONIQ P 3737 (2W version) 57.0° 94 % 1.100 cd/lm nite	15 ⁰ 0 ⁰ 35 ⁰
Light colour WI Required component LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour WI	nite s: OSCONIQ P 3737 (2W version) 57.0° 94 % 1.100 cd/lm nite	155 ⁰ 0 ⁰ 35 ⁰

PRODUCT DATASHEET



LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour W Required component	OSCONIQ P 3737 (3W version) 56.0° 94 % 1.060 cd/lm /hite ts:	5° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6°
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour W Required component	OSCONIQ P 3737 Flat 52.0° 97 % 1.234 cd/lm /hite ts:	24 - 27 - 26 - 27 - 27 - 27 - 27 - 27 - 27
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour W Required component	OSLON Square CSSRM2/CSSRM3 56.0° 94 % cd/lm /hite ts:	20° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0°
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour W Required component	OSLON Square EC 56.0° 93 % cd/lm hite ts:	

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LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour WH Required component	OSLON Square PC 56.0° 93 % 0.980 cd/lm nite s:	20° 20° 20° 20° 20° 20° 20° 20°
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour WH Required component	OSLON SSL 80 52.0° 94 % 1.200 cd/lm nite s:	24° 10° 10° 10° 10° 10° 10° 10° 10° 10° 10
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh Required component	LH181B 50.0° 96 % 1.238 cd/lm nite s:	21° 22° 00° 12°
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh Required component	LH181B 54.0° 94 % 1.200 cd/lm nite s:	94° 97 74° 72° 64° 60° 64° 66° 66° 90° 66°

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PHOTOMETRIC DATA (SIMULATED):

LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh Required components	5°. 5°. 6°. 6°. 9°. 7°. 7°. 9°. 7°. 7°. 8°. 8°. 8°. 8°. 8°. 8°. 8°. 8°. 8°.
SEOUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh Required components	51° 51° 51° 51° 51° 51° 51° 51°
SEOUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh Required components	30* 30* 50* 50* 50* 50* 50* 50* 50* 5
SEOUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh Required components	5°. 5°. 6°. 6°. 6°. 6°. 6°. 6°. 6°. 6°. 6°. 6



LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh Required component	TL1L2 55.0° 94 % 0.980 cd/lm hite 5:	30, 0, 12, 0, 0, 00 00 00 0, 00 00 00 0, 00 00 00 0, 00 00 00 0, 00 00 00 0, 00 00 00 0, 00 00 00 0, 00 00 00 0, 00 00 00 0, 00 00 00 0, 00 00 00 0, 00 00 00 0, 00 00 00 0, 00 00 00 0, 00 00 00
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh Required component	TL1L3 54.0° 89 % cd/lm hite s:	30. 0. 32. 0. 20. 0. 0. 0. 61. 00. 00. 00. 23. 200 00. 00.

PRODUCT DATASHEET



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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