

PRODUCT DATASHEET CS14263_HB-IP-2X6-WWW

HB-IP-2X6-WWW

~100° wide beam

TECHNICAL SPECIFICATIONS:

Dimensions	71.4 x 173.0 mm
Height	11.4 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes 🛈



MATERIAL SPECIFICATIONS:

Component	Туре	Material	Colour	Finish
HB-IP-2X6-WWW	Multi-lens	PMMA	clear	
2X6-SEAL25	Seal	Silicone	white	

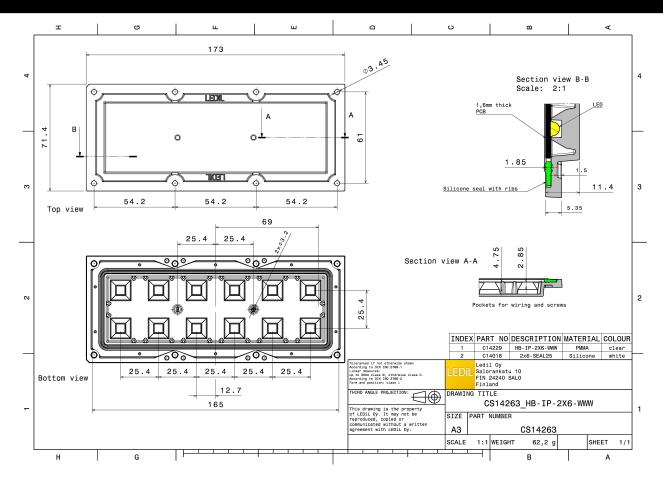
ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CS14263_HB-IP-2X6-WWW	Multi-lens	120	40	40	8.3
» Box size: 476 x 273 x 247 mm					

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PRODUCT DATASHEET CS14263_HB-IP-2X6-WWW



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



LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	5° 50 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	30* 43 0* 33* 9* 9* 9* 9* 30 20 9* 9* 6* 20 0* 0* 6* 20 0* 0*
CREE ¢ LED FWHM Efficiency	XM-L2 97.0° 93 %	53 ⁻ 50
Peak intensity LEDs/each optic Light colour Required compor	White	
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	XP-G2 95.0° 93 % 0.4 cd/lm 1 White	30° 30° 30° 30° 30° 30° 30° 30° 40° 40° 6° 30° 30° 8°



CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	XP-L HD 103.0° 92 % 0.4 cd/lm 1 White	
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	XP-L2 96.0° 94 % 0.4 cd/lm 1 White	
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	XT-E 98.0° 94 % 0.4 cd/lm 1 White	
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	XT-E HE 95.0° 95.0° 94 94 % 94 0.4 cd/lm 1 1 White	



ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	LUXEON T 91.0° 93 % 0.4 cd/lm 1 White	
EUMILI LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	LUXEON TX 95.0° 93 % 0.4 cd/lm 1 White	9° 72' 50° 6° 6° 6° 50° 60° 60° 50° 50° 50° 50° 50° 50° 50° 5
EUMILI LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	LUXEON V 94.0° 92 % 0.4 cd/Im 1 White	9° 10 10 10 10 10 10 10 10 10 10
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	LUXEON V2 91.0° 94 % 0.4 cd/lm 1 White	210 210 210 210 210 200 200 200



EUMIL LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	LUXEON XR-TX (L2T0-xxyy012M) 97.0° 93 % 0.4 cd/lm 1 White	2 ¹ 2 ¹
EUMIL LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	LUXEON Z ES 85.0° 93 % 0.5 cd/lm 1 White	50° - 500 - 60° 60° - 200
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	SST-10-B130 96.0° 95 % 0.4 cd/lm 1 Deep Red	200 200 200 01 ⁴ 200 01 ⁴ 00 01 ⁴ 00 01 ⁴ 01 ⁴ 0
Vour solution LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	RecLED 146x45mm 2900lm 7x0 2x6 IP Opt G2 91.5° 93 % 0.4 cd/lm 1 White	



Image: Second system Image: Second system	WHM98Efficiency93Peak intensity0.4.EDs/each optic1	/hite	92 ⁴ 92 ⁴ 84 ⁴ 92 ⁶ 92 ⁷ 92 ⁷ 9
LED NVSW319B FWHM 103.0° Efficiency 94 % Peak intensity 0.4 cd/m LEDs/each optic 1 Light colour White Required components:	ED NV FWHM 10 Efficiency 94 Peak intensity 0.4 EDs/each optic 1 Light colour W	01.0° 4 % .4 cd/lm /hite	y ²
LED NVSW3x9A FWHM 97.0° Efficiency 93 % Peak intensity 0.4 cd/lm	ED N WHM 10 Efficiency 94 Peak intensity 0.4 EDs/each optic 1 Light colour W	03.0° 4 % .4 cd/lm /hite	50 30 ³ 32 ³ 30 30 30 30 40 40 40 40 40 40 40 40 40 40 40 40 40
Light colour White Required components:	ED NV FWHM 97 Efficiency 93 Peak intensity 0.4 EDs/each optic 1 .ight colour W	7.0° 3 % .4 cd/lm /hite	



NICHIA LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NVSW519A 100.0° 95 % 0.4 cd/lm 1 White	90° 90° 50° 200 5° 60° 200 6° 60° 0° 60° 0
Ø NICHIΛ		50° 50°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	2. 2. 2. 2. 2. 2. 2. 2. 2. 2.
ØNICHIA		15° 0° 15°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NVSxx19B/NVSxx19C 90.0° 94 % 0.4 cd/lm 1 White	200 001 200 000 200 000 200 2
OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	20 20 20 20 20 20 20 20 20 20



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OSRAM opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	50° 500 75° 500 60° 60° 60° 60° 60° 60° 60° 60° 60°
OSRAM Opto Semiconductors		
opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	90° 97° 72° 75° 60° 66° 65° 66° 73° 75° 75° 75° 75° 75° 75° 75° 75° 75° 75° 75°
OSRAM		90° 90°
opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	25° 25° 25° 25° 25° 25° 25°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	Fortimo FastFlex LED 2x6 DP G4 95.0° 93 % 0.4 cd/lm 1 White	54° 55° 6° 55° 55°



SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	HiLOM RH12 (LH351C) 94.0° 93 % 0.4 cd/lm 1 White	20°
SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	HiLOM RM12 ZP (LH502C) 92.0° 96 % 0.5 cd/lm 1 White	
SCIO LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	XLE-S22C4XTEHE (XT-E HE) 95.0° 94 % 0.4 cd/lm 1 White	
SCIO LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	XLE-S26XHP35 (XHP35 HD) 104.0° 93 % 0.4 cd/lm 1 White	



stoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	94 94 95 96 96 96 96 96 96 96 96 96 96
stoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	20 20 20 20 20 20 20 20 20 20
stoul seniconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	52 52 50 60 50 50 60 50 60 60 60 60 60 60 60 60 60 6
SEOUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	20° 12° 20° 12° 20° 00° 00° 00° 00°



seoul senconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	White	5° 5° 6° 5° 5° 5° 6° 5° 6° 5° 6° 5° 6° 5° 6° 5° 6° 5° 6° 5° 6° 5°
SEOUL SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	White	90° 90° 90° 90° 90° 90° 90° 90°
stoul seniconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	White	
TOSHIBA Leading Innovation >>> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	White	

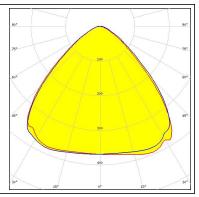


TRIDONIC

LED	RLE
FWHM	94.0
Efficiency	94 %
Peak intensity	0.4 c
LEDs/each optic	1
Light colour	White
Required compor	nents:

RLE 2x6 3000lm HP EXC2 OTD 94.0° 94 % 0.4 cd/lm 1 White







CREE ≑		
LED	J Series 5050	90* 90*
FWHM	98.0°	75° 78°
Efficiency	94 %	
		50* 60*
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	45°
Required componer	its:	
		400
		\times
		30* <u>500</u> 30* 30*
CREE ≑		
		90* 90*
LED	MHB-A/B	
FWHM	106.0°	100 - 100
Efficiency	87 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	45+ 45+
Required componer	its:	30
		440
		\times / \times
		30* <u>15</u> ° 0° 15° 30*
CREE ≑		
LED	XHP35 HD	90* 90*
FWHM		750 780
	101.0°	100
Efficiency	91 %	50* 60*
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	45'
Required componer	its:	
		\times
		400
		30*
CREE ≑		90* 90*
LED	XP-E	
FWHM	99.0°	100
Efficiency	94 %	
Peak intensity	0.4 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	White	45*
Required componer		
		400
		\times / \top / \times
		30* <u>13</u> ⁵ 0* <u>15*</u> 30*



CREE ≑		
LED	XP-G2 HE	90* 90*
FWHM	108.0°	73%
Efficiency	93 %	
Peak intensity	93 % 0.3 cd/lm	. 50° 60°
LEDs/each optic	1	200
Light colour	White	
Required component		45° 45°
Required component	ls.	
		400
		30* <u>15</u> ³ 0 ⁶ 15* 30*
CREE ≑		
LED	XP-G3	
FWHM	95.0°	754 751
Efficiency	91 %	100
Peak intensity	0.4 cd/lm	60° 60°
LEDs/each optic	1	200
Light colour	White	45*
Required component		30
		400
		$X / T \rangle \lambda$
		30* 10° 10° 30*
	DS	90* 90*
		90 ⁴ 90 ⁴
LUMILEI LED FWHM	LUXEON 5050 Round LES 92.0°	
LED FWHM	LUXEON 5050 Round LES	25
LED	LUXEON 5050 Round LES 92.0°	
LED FWHM Efficiency	LUXEON 5050 Round LES 92.0° 93 %	
LED FWHM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Round LES 92.0° 93 % 0.4 cd/lm	
LED FWHM Efficiency Peak intensity	LUXEON 5050 Round LES 92.0° 93 % 0.4 cd/Im 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Round LES 92.0° 93 % 0.4 cd/Im 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Round LES 92.0° 93 % 0.4 cd/Im 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Round LES 92.0° 93 % 0.4 cd/Im 1 White	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component	LUXEON 5050 Round LES 92.0° 93 % 0.4 cd/lm 1 White Is:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component	LUXEON 5050 Round LES 92.0° 93 % 0.4 cd/lm 1 White is:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component	LUXEON 5050 Round LES 92.0° 93 % 0.4 cd/lm 1 White ts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component	LUXEON 5050 Round LES 92.0° 93 % 0.4 cd/lm 1 White Is:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component	LUXEON 5050 Round LES 92.0° 93 % 0.4 cd/lm 1 White ts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component ELED FWHM Efficiency Peak intensity	LUXEON 5050 Round LES 92.0° 93 % 0.4 cd/lm 1 White ts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component ED FWHM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Round LES 92.0° 93 % 0.4 cd/lm 1 White ts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Equired component Very Component Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Round LES 92.0° 93 % 0.4 cd/lm 1 White ts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component ED FWHM Efficiency Peak intensity LEDs/each optic	LUXEON 5050 Round LES 92.0° 93 % 0.4 cd/lm 1 White ts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component WIN LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component	LUXEON 5050 Round LES 92.0° 93 % 0.4 cd/lm 1 White ts:	
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required component COMPLET LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 5050 Round LES 92.0° 93 % 0.4 cd/lm 1 White ts:	



LED	LUXEON 5050 Square LES
FWHM	90.0°
Efficiency	96 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required component	s:

ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NV4WB35AM 98.0° 96 % 0.4 cd/Im 1 White nts:	
EFWHM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSxE21A 94.0° 95 % 0.4 cd/lm 4 White nts:	
OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSCONIQ P 3030 94.0° 96 % 0.4 cd/lm 1 White nts:	



OSRAM Opto Semiconductors		90* 90*
LED	OSCONIQ P 3737 (2W version)	
FWHM	95.0°	75
Efficiency	94 %	
Peak intensity	0.4 cd/lm	200
LEDs/each optic	1	
Light colour	White	45*
Required componer	nts:	
		400
		30* <u>15</u> * <u>30</u> * <u>30</u> *
OSRAM Opto Semiconductors		90*
LED	OSCONIQ P 3737 (3W version)	
FWHM	98.0°	75°
Efficiency	94 %	
Peak intensity	0.4 cd/lm	60 ⁴ / 60 ⁴
LEDs/each optic	1	
Light colour	White	451
Required componer		
		400
		\times
		30* 15 ⁵ 30* 30*
OSRAM Opto Semiconductors		90° 90°
LED	OSCONIQ P 3737 Flat	
FWHM	94.0°	75° 78°
Efficiency	96 %	
Peak intensity	0.4 cd/lm	- et
LEDs/each optic	1	
Light colour	White	51
Required component		300
		400
		\times / \setminus \times
		30* 13 ⁴ 30 ⁴
OSRAM		
Opto Semiconductors		90°
LED	OSLON Square CSSRM2/CSSRM3	75% 77%
FWHM	100.0°	100
Efficiency	96 %	60 ⁺
Peak intensity	96 % 0.4 cd/lm	50 ⁴
Peak intensity LEDs/each optic	96 % 0.4 cd/lm 1	6 ¹⁴
Peak intensity LEDs/each optic Light colour	96 % 0.4 cd/lm 1 White	ai ⁴
Peak intensity LEDs/each optic	96 % 0.4 cd/lm 1 White	ar 200 67 30. 67
Peak intensity LEDs/each optic Light colour	96 % 0.4 cd/lm 1 White	0 ¹⁴ 200 0 ¹ 300 400
Peak intensity LEDs/each optic Light colour	96 % 0.4 cd/lm 1 White	0 ¹⁴ 0 ¹⁰
Peak intensity LEDs/each optic Light colour	96 % 0.4 cd/lm 1 White	



PHILIPS	2	
		90° 90°
	Fortimo FastFlex LED 2x6 DPX G4	751 751
FWHM Efficiency	105.0° 94 %	200
Peak intensity	94 % 0.4 cd/lm	
LEDs/each optic	1	
Light colour	' White	
Required componer		
	13.	
		40
		\times / / \times
		30* 25 ⁵ 96 25* 30*
SAMSU	NG	9×*
LED	LH181B	
FWHM	90.0°	73%
Efficiency	96 %	
Peak intensity	0.4 cd/lm	607
LEDs/each optic	1	
Light colour	White	as an
Required componer	nts:	
		400
		\times / \land \rightarrow
		30° 125° 0° 125° 30°
SAMSU	NG	90°
LED	LH351B	
FWHM	100.0°	73* 70
Efficiency	94 %	
Peak intensity	0.4 cd/lm	55*
LEDs/each optic	1	
Light colour	White	
Required componer	nts:	
		13 ³ 0 ⁴ 13 ³
SAMSU	NG	90°
LED	LH351D	
FWHM	107.0°	724 721
Efficiency	92 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	6°
Required componer		
		400
		1 30"



SAMSU	NG	90* 90
LED	LH502C	
FWHM	96.0°	75 207
Efficiency	96 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	200
	' White	
Light colour		45°66
Required component	IIS.	
		\times / \setminus \times
		30* 15* 30 15* 30
SEOUL		
	ZOVOOT	90*
	Z8Y22T	75*
FWHM	93.0°	100
Efficiency	94 %	60 ⁴
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	45°
Required component	nts:	
		30* 30
TOSHIBA		
Leading Innovation >>>		90* 90
LED	TL1L2	
FWHM	100.0°	75% 75
Efficiency	91 %	
Peak intensity	0.4 cd/lm	ent enter
LEDs/each optic	1	
Light colour	White	5° 200 2000 5
Required componer		
		400
		30* 50 15* 30
TOSHIBA		50° 50
Leading Innovation »»	TL1L3	
FWHM	Asymmetric	73'
Efficiency	84 %	
Peak intensity	04 % 0.5 cd/lm	eot jeo
LEDs/each optic	1 White	
Light colour	White	K N /
Required component	NS:	
		super less
		30°
		15" 3% 15°



PRODUCT DATASHEET CS14263_HB-IP-2X6-WWW

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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