

# HB-IP-2X6-WWW-PC

~100° wide beam. Variant made from PC.

## **SPECIFICATION:**

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



# **MATERIALS:**

Component	
HB-IP-2X6-WWW-PC	
2X6-SEAL25	

Туре	
Multi-lens	
Seal	

Material	Colour	Finish
PC	clear	
Silicone	white	

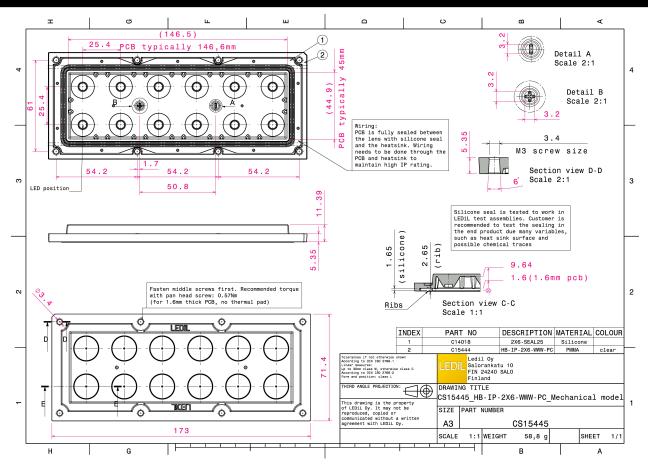
#### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CS15445_HB-IP-2X6-WWW-PC	Multi-lens	120	40	40	8.5
» Box size: 176 x 273 x 217 mm					

» Box size: 476 x 273 x 247 mm

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# PRODUCT DATASHEET CS15445\_HB-IP-2X6-WWW-PC



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



# **OPTICAL RESULTS (MEASURED):**

LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	QUICK FLUX 2x6 LED XG xxx G7+ 96.0° / 132.0° 94 % 0.4 cd/lm 1 White ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	QUICK FLUX 2x6 LED XT xxx G5 96.0° / 131.0° 93 % 0.4 cd/lm 1 White ints:	
CREE LEC LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G2 101.0° / 142.0° 85 % 0.4 cd/lm 1 White	200 - 200 - 0°, 100 -
CREE LEO FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-L2 99.0° / 142.0° 84 % 0.3 cd/lm 1 White	



# **OPTICAL RESULTS (MEASURED):**

CREE 🔶 LED		w.	90*
LED	XT-E		
FWHM / FWTM	97.0° / 140.0°		75*
Efficiency	85 %		X
Peak intensity	0.4 cd/lm		V
LEDs/each optic	1		
Light colour	White	9° - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200	45*
Required compone	nts:		
			1
		207	36.*
		25 <u>0</u> 25 <sup>0</sup> 25 <sup>0</sup>	90*
LED	XT-E HE		
FWHM / FWTM	92.0° / 136.0°	77	75*
Efficiency	84 %		$\sim$
Peak intensity	0.4 cd/lm		60.
LEDs/each optic	1		
Light colour	White	et al 1997 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 20	45*
Required compone			
		**	36.*
		29 <u>2</u> <u>29</u>	
		50°	90°
LED	NVSW519A	7	75*
FWHM / FWTM	102.0° / 145.0°		
Efficiency	84 %	53×	604
Peak intensity	() '3 cd/lm		
	0.3 cd/lm		
LEDs/each optic	1		
Light colour	1 White	90°	e,
	1 White	67	65*
Light colour	1 White	00	67
Light colour	1 White		
Light colour	1 White	200 200 200 200 200 200 200 200 200 200	34*
Light colour Required compone	1 White nts:		30*
Light colour Required compone	1 White nts:		
Light colour Required compone	1 White Ints: JNG HiLOM RH12 (LH351C)		30"
Light colour Required compone SAMSU LED FWHM / FWTM	1 White Ints: JNG HiLOM RH12 (LH351C) 95.0° / 140.0°		54 <sup>-</sup> 55 <sup>-</sup> 57 <sup>-</sup> 57 <sup>-</sup>
Light colour Required compone SAMSU LED FWHM / FWTM Efficiency	1 White Ints: UNG HiLOM RH12 (LH351C) 95.0° / 140.0° 83 %		5°
Light colour Required compone SAMSU LED FWHM / FWTM Efficiency Peak intensity	1 White Ints: UNG HiLOM RH12 (LH351C) 95.0° / 140.0° 83 % 0.4 cd/lm		59°
Light colour Required compone <b>SAMSI</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	1 White Ints: UNC HiLOM RH12 (LH351C) 95.0° / 140.0° 83 % 0.4 cd/lm 1		99 <sup>1</sup>
Light colour Required compone <b>SAMSI</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White Ints: WING HiLOM RH12 (LH351C) 95.0° / 140.0° 83 % 0.4 cd/lm 1 White	94 <sup>2</sup> 75 <sup>3</sup> 86 <sup>4</sup> 	39 <sup>3</sup> 99 <sup>3</sup> 99 <sup>4</sup> 99 <sup>4</sup>
Light colour Required compone <b>SAMSI</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	1 White Ints: WING HiLOM RH12 (LH351C) 95.0° / 140.0° 83 % 0.4 cd/lm 1 White	94 <sup>2</sup> 75 <sup>3</sup> 86 <sup>4</sup> 	64 64 75 75
Light colour Required compone <b>SAMSI</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White Ints: WING HiLOM RH12 (LH351C) 95.0° / 140.0° 83 % 0.4 cd/lm 1 White	94 <sup>2</sup> 75 <sup>3</sup> 86 <sup>4</sup> 	64 67 787 787 67
Light colour Required compone <b>SAMSI</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White Ints: WING HiLOM RH12 (LH351C) 95.0° / 140.0° 83 % 0.4 cd/lm 1 White	94 <sup>2</sup> 75 <sup>3</sup> 86 <sup>4</sup> 	31 <sup>3</sup>



# **OPTICAL RESULTS (MEASURED):**

SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	HiLOM RM12 ZP (LH502C) 89.0° / 135.0° 86 % 0.4 cd/lm 1 White	
SCIC LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	ROY-S26XPL2 (XP-L2) 99.0° / 142.0° 84 % 0.3 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XLE-S22C4XTEHE (XT-E HE) 92.0° / 136.0° 84 % 0.4 cd/lm 1 White	



# **OPTICAL RESULTS (SIMULATED):**

		90°
LED	XP-G2 HE	
FWHM / FWTM	108.0° / 150.0°	
Efficiency	91 %	50* 60*
Peak intensity	0.3 cd/lm	
LEDs/each optic	1	
Light colour	White	45*
Required components:		
		300
		X / T / X
		30* 400 30*
	05	12 <sup>3</sup> (0 <sup>4</sup> 12 <sup>4</sup>
		90* 90*
LED	LUXEON 5050 Square LES	75% 75%
FWHM / FWTM	100.0° / 138.0°	100
Efficiency	88 %	. 604 604
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	200
Light colour	White	6° / / 6
Required components:		20
		30* 400 30* 30*
<b>Ø</b> NICHIΛ		
LED	NV4WB35AM	
FWHM / FWTM	99.0° / 139.0°	75' 78'
Efficiency	88 %	100
Peak intensity	0.3 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	White	
Required components:		
		30
		$\times$ / $\cdot$ $\times$
		400
		30° 10° 30°
OSRAM		
LED	PrevaLED Brick HP IP 2x6	90* 90*
ED FWHM / FWTM	94.0° / 140.0°	73° 73°
		200
Efficiency	88 %	50* 60*
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	200
Light colour	White	at at
Required components:		
		30
1		
		30.4



# **OPTICAL RESULTS (SIMULATED):**

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	-				

LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSCONIQ P 3737 (2W version) 99.0° / 140.0° 88 % 0.4 cd/lm White

#### **OSRAM** Opto S

LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSLON Square CSSRM2/CSSRM3 98.0° / 143.0° 88 % 0.3 cd/lm White

# OSRAM Opto Semiconductore

LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSLON Square CSSRM2/CSSRM3 94.0° / 140.0° 88 % 0.4 cd/lm 1 White

SAMSU	ING	50°
LED	LH502D	
FWHM / FWTM	98.0° / 136.0°	724 781
Efficiency	88 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	er er
Required componen	nts:	
		X - X
		20* 400 30*



# **OPTICAL RESULTS (SIMULATED):**

SEOUL SEMICONDUCTOR		90 <sup>0</sup>
LED	Z5M4	
FWHM / FWTM	98.0° / 138.0°	75.
Efficiency	88 %	
Peak intensity	0.4 cd/lm	60°
LEDs/each optic	1	
Light colour	White	
Required components	s:	
		30* <u>50</u> <u>50</u> <u>30</u> *



#### **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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