

## HB-IP-2X6-WWW-PC

~100° wide beam. Variant made from PC.

## **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-PC	Multi-lens	PC	clear	
2X6-SEAL25	Seal	Silicone	white	

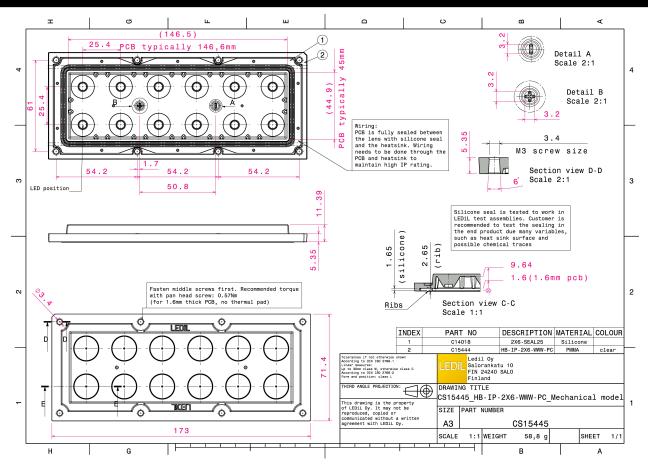
### **ORDERING INFORMATION:**

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 272 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>



## **PHOTOMETRIC DATA (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:	200 200 200 00 <sup>4</sup> 200 00 <sup>4</sup> 200 00 <sup>4</sup> 00 <sup>4</sup>
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	
CREE LEO EWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-L2 99.0° / 142.0° 84 % 0.3 cd/lm 1 White	20° 0° 10° 30° 0° 60° 60° 60° 60° 60° 60° 60° 6



## **PHOTOMETRIC DATA (MEASURED):**

	D		90* 90*
LED	XT-E		
FWHM / FWTM	97.0° / 140.0°		13. 2.
Efficiency	85 %		
Peak intensity	0.4 cd/lm		60°
LEDs/each optic	1		
Light colour	White		er er er
Required compone		I	
			154 Q4 159
	D		90° 90°
LED	XT-E HE		
FWHM / FWTM	92.0° / 136.0°		
Efficiency	84 %		607 - 100 607 - 607
Peak intensity	0.4 cd/lm		
LEDs/each optic	1		
Light colour	White		45*
Required compone	ents:		
			300
			30"
ØNICHI/	۱		
LED	NVSW519A		
FWHM / FWTM	102.0° / 145.0°		751 751
Efficiency	84 %		
Peak intensity	0.3 cd/lm		-60°
LEDs/each optic	1		
Light colour	White		5°
Required compone	ents:	I	
			300
			30* 460 30
0 0 0 0 0			13 <sup>3</sup> 0 <sup>4</sup> 10 <sup>4</sup>
SAMSI	UNG		50° 50°
LED	HiLOM RH12 (LH351C)		
FWHM / FWTM	95.0° / 140.0°		751
Efficiency	83 %		
Peak intensity	0.4 cd/lm		
LEDs/each optic	1		
Light colour	White		5°
Required compone	ents:		
			30* 400 30*
			15° 0° 15°



## PHOTOMETRIC DATA (MEASURED):

SAMSI 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	
SCIO 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	
SCIO LED 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	



## PHOTOMETRIC DATA (SIMULATED):

		8°
LED	XP-G2 HE	
FWHM / FWTM	108.0° / 150.0°	
Efficiency	91 %	50 <sup>4</sup> 50 <sup>4</sup>
Peak intensity	0.3 cd/lm	
LEDs/each optic	1	200
Light colour	White	45'
Required components:		
		300
		$\times$ / T \ $\times$
		30° 400 30°
		90'
LED	LUXEON 5050 Square LES	75°
FWHM / FWTM	100.0° / 138.0°	100_100
Efficiency	88 %	66* 69*
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	200
Light colour	White	-63*
Required components:		
		30* 400 30*
<b>Μ</b> ΝΙCΗΙΛ		
LED	NV4WB35AM	90* 90*
EED FWHM / FWTM	99.0° / 139.0°	
	39.0 / 139.0	
Efficiency		100 - 100 -
Efficiency	88 %	200
Peak intensity	88 % 0.3 cd/lm	200
Peak intensity LEDs/each optic	88 % 0.3 cd/lm 1	2 <sup>0</sup>
Peak intensity LEDs/each optic Light colour	88 % 0.3 cd/lm	20
Peak intensity LEDs/each optic	88 % 0.3 cd/lm 1	20
Peak intensity LEDs/each optic Light colour	88 % 0.3 cd/lm 1	20
Peak intensity LEDs/each optic Light colour	88 % 0.3 cd/lm 1	20
Peak intensity LEDs/each optic Light colour	88 % 0.3 cd/lm 1	200
Peak intensity LEDs/each optic Light colour Required components:	88 % 0.3 cd/lm 1	20° 200 20° 20° 20° 20° 20° 20° 20° 20° 20° 20°
Peak intensity LEDs/each optic Light colour Required components:	88 % 0.3 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required components: OSRAM LED	88 % 0.3 cd/lm 1 White PrevaLED Brick HP IP 2x6	
Peak intensity LEDs/each optic Light colour Required components: OSRAM LED FWHM / FWTM	88 % 0.3 cd/lm 1 White PrevaLED Brick HP IP 2x6 94.0° / 140.0°	
Peak intensity LEDs/each optic Light colour Required components: <b>OSRAM</b> LED FWHM / FWTM Efficiency	88 % 0.3 cd/lm 1 White PrevaLED Brick HP IP 2x6 94.0° / 140.0° 88 %	200
Peak intensity LEDs/each optic Light colour Required components: <b>OSRAM</b> LED FWHM / FWTM Efficiency Peak intensity	88 % 0.3 cd/lm 1 White PrevaLED Brick HP IP 2x6 94.0° / 140.0° 88 % 0.4 cd/lm	200
Peak intensity LEDs/each optic Light colour Required components: <b>OSRAM</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	88 % 0.3 cd/lm 1 White PrevaLED Brick HP IP 2x6 94.0° / 140.0° 88 % 0.4 cd/lm 1	
Peak intensity LEDs/each optic Light colour Required components: <b>OSRAM</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	88 % 0.3 cd/lm 1 White PrevaLED Brick HP IP 2x6 94.0° / 140.0° 88 % 0.4 cd/lm	
Peak intensity LEDs/each optic Light colour Required components: <b>OSRAM</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	88 % 0.3 cd/lm 1 White PrevaLED Brick HP IP 2x6 94.0° / 140.0° 88 % 0.4 cd/lm 1	
Peak intensity LEDs/each optic Light colour Required components: <b>OSSRAM</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	88 % 0.3 cd/lm 1 White PrevaLED Brick HP IP 2x6 94.0° / 140.0° 88 % 0.4 cd/lm 1	
Peak intensity LEDs/each optic Light colour Required components: <b>OSSRAM</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	88 % 0.3 cd/lm 1 White PrevaLED Brick HP IP 2x6 94.0° / 140.0° 88 % 0.4 cd/lm 1	
Peak intensity LEDs/each optic Light colour Required components: <b>OSRAM</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	88 % 0.3 cd/lm 1 White PrevaLED Brick HP IP 2x6 94.0° / 140.0° 88 % 0.4 cd/lm 1	



## **PHOTOMETRIC DATA (SIMULATED):**

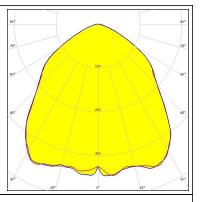
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#### **OSRAM**

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 Se

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 White

OSRAM Opto Semiconductors 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 1 White	200 - 200 -
SEOUL SEOUL SEMICONDUCTOR		80°
SEQUL SEMICONDUCTOR	Z5M4	
sedul semiconductor LED FWHM / FWTM	98.0° / 138.0°	2°
seoul semiconductor LED FWHM / FWTM Efficiency	98.0° / 138.0° 88 %	84 - 94 73 84 - 100 86
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	98.0° / 138.0° 88 % 0.4 cd/lm	80° 80° 80° 80° 80° 80° 80° 80° 80° 80°
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	98.0° / 138.0° 88 % 0.4 cd/lm 1	80 <sup>4</sup> 80 <sup>4</sup> 20 60 <sup>4</sup> 60 <sup>4</sup>
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	98.0° / 138.0° 88 % 0.4 cd/lm	90 90 30 61 50 62 67



#### **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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