

# PRODUCT DATASHEET CS17088\_HB-IP-2X6-RS-PC

# HB-IP-2X6-RS-PC

~20° spot beam. Variant made from PC.

## **SPECIFICATION:**

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

# **MATERIALS:**

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

# Туре Multi-lens Seal



Material	Colour	Finish
PC	clear	
Silicone	white	

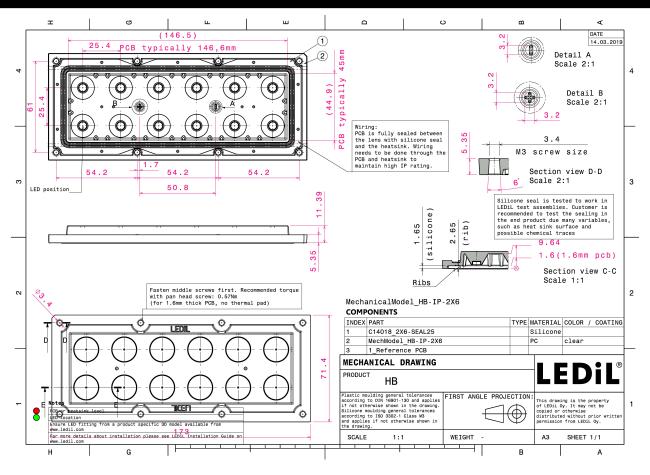
#### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CS17088_HB-IP-2X6-RS-PC	Multi-lens	120	40	40	8.1
» Box size: 176 x 273 x 217 mm					

» Box size: 476 x 273 x 247 mm

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



# **OPTICAL RESULTS (MEASURED):**

	_	
		90°
LED	XP-G2	
FWHM / FWTM	14.0° / 25.0°	
Efficiency	89 %	60 <sup>8</sup> 500 60 <sup>*</sup>
Peak intensity	10.5 cd/lm	$\Gamma \setminus / / / \setminus \setminus \cap$
LEDs/each optic	1	
Light colour	White	53° 6130 63°
Required compone	nts:	
		30"
$\sim$		
ØNICHI∕		90*
LED	NVSW519A	
FWHM / FWTM	20.0° / 38.0°	
Efficiency	89 %	60 <sup>8</sup> 1600 60 <sup>4</sup>
Peak intensity	5.1 cd/lm	
· our monony	J. I Cu/III	
LEDs/each optic	1	
		er. 20.4
LEDs/each optic	1 White	e <sup>r</sup> 20.0
LEDs/each optic Light colour	1 White	g. <u>200</u> g.
LEDs/each optic Light colour	1 White	97 500 PT
LEDs/each optic Light colour	1 White	



# **OPTICAL RESULTS (SIMULATED):**

CREE LED	XD16 12.0° / 24.0° 86 % 11.1 cd/lm 1 White	22, 0, 23, 24, 60, 61, 500, 500, 61, 50, 50, 50, 51, 51, 51, 51, 51, 51, 51, 51
		90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XHP35.2 HD 26.0° / 49.0° 85 % 3 cd/lm 1 White	27 27 20 20 20 20 20 20 20 20 20 20
		32, 6, 32,
CREE LED	XP-G3 16.0° / 34.0° 87 % 6.7 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20
CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-L2 22.0° / 42.0° 86 % 4.1 cd/lm 1 White	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°



# **OPTICAL RESULTS (SIMULATED):**

ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NV4WB35AM 22.0° / 40.0° 87 % 4.4 cd/lm 1 White	50° 50° 75° 50° 60° 1000 60° 55° 60° 50° 60°
OSRAM LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	PrevaLED Brick HP IP 2x6 16.0° / 30.0° 87 % 8.1 cd/lm 1 White	99° 99° 99° 99° 90° 90° 90° 90°
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSCONIQ P 3737 (2W version) 12.0° / 25.0° 87 % 10.8 cd/lm 1 White	27 27 27 27 200 200 27 27 27 20 20 27 27 27 27 27 27 27 27 27 27
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSLON Square CSSRM2/CSSRM3 14.0° / 28.0° 87 % 9.9 cd/lm 1 White	



# **OPTICAL RESULTS (SIMULATED):**

SAMSUN	IG	90° 95°
LED		
FWHM / FWTM	LH351B 16.0° / 32.0°	75
Efficiency	87 %	
Peak intensity	7.1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		400
		6430
		400 135° 0° 15°
SAMSUN	IG	90° 50°
LED	LH351C	
FWHM / FWTM	17.0° / 33.0°	25*
Efficiency	88 %	605
Peak intensity	6.7 cd/lm	$K \longrightarrow 1 \longrightarrow 2$
LEDs/each optic	1	
Light colour	White	47°
Required components:		4830
		30° 30°
SEOUL		15 <sup>5</sup> 0 <sup>6</sup> 15 <sup>5</sup>
SEOUL SEMICONDUCTOR		90° 90°
LED	Z5M1/Z5M2	25 25 25°
LED FWHM / FWTM	14.0° / 27.0°	32. 36. 36.
LED FWHM / FWTM Efficiency	14.0° / 27.0° 88 %	90° 90°
LED FWHM / FWTM Efficiency Peak intensity	14.0° / 27.0° 88 % 9.7 cd/lm	97 97 77 73 70 70 70 70 70 70 70 70 70 70 70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	14.0° / 27.0° 88 % 9.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	14.0° / 27.0° 88 % 9.7 cd/lm	a. 500 500 500 500 500 500 500 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	14.0° / 27.0° 88 % 9.7 cd/lm 1	
LED FWHM / FWTM Efficiency	14.0° / 27.0° 88 % 9.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	14.0° / 27.0° 88 % 9.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	14.0° / 27.0° 88 % 9.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	14.0° / 27.0° 88 % 9.7 cd/lm 1	30
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	14.0° / 27.0° 88 % 9.7 cd/lm 1 White	30
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: seoul semiconductor LED	14.0° / 27.0° 88 % 9.7 cd/lm 1 White Z5M4	30
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: seout semiconductor LED FWHM / FWTM	14.0° / 27.0° 88 % 9.7 cd/lm 1 White Z5M4 16.0° / 32.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: seous semiconductor LED FWHM / FWTM Efficiency	14.0° / 27.0° 88 % 9.7 cd/lm 1 White Z5M4 16.0° / 32.0° 87 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: seour semiconductor LED FWHM / FWTM Efficiency Peak intensity	14.0° / 27.0° 88 % 9.7 cd/lm 1 White Z5M4 16.0° / 32.0° 87 % 7.3 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: secure semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	14.0° / 27.0° 88 % 9.7 cd/lm 1 White Z5M4 16.0° / 32.0° 87 % 7.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: stout stemconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	14.0° / 27.0° 88 % 9.7 cd/lm 1 White Z5M4 16.0° / 32.0° 87 % 7.3 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: secure semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	14.0° / 27.0° 88 % 9.7 cd/lm 1 White Z5M4 16.0° / 32.0° 87 % 7.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: secure semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	14.0° / 27.0° 88 % 9.7 cd/lm 1 White Z5M4 16.0° / 32.0° 87 % 7.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: secure semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	14.0° / 27.0° 88 % 9.7 cd/lm 1 White Z5M4 16.0° / 32.0° 87 % 7.3 cd/lm 1	



#### **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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