

PRODUCT DATASHEET CS18049_HB-IP-24-WWW

HB-IP-24-WWW

~90° wide beam

TECHNICAL SPECIFICATIONS:

Dimensions	173.0 x 71.4 mm
Height	10 mm
Fastening	pin, screw
Ingress protection classes	IP66, IP67
ROHS compliant	yes 🛈



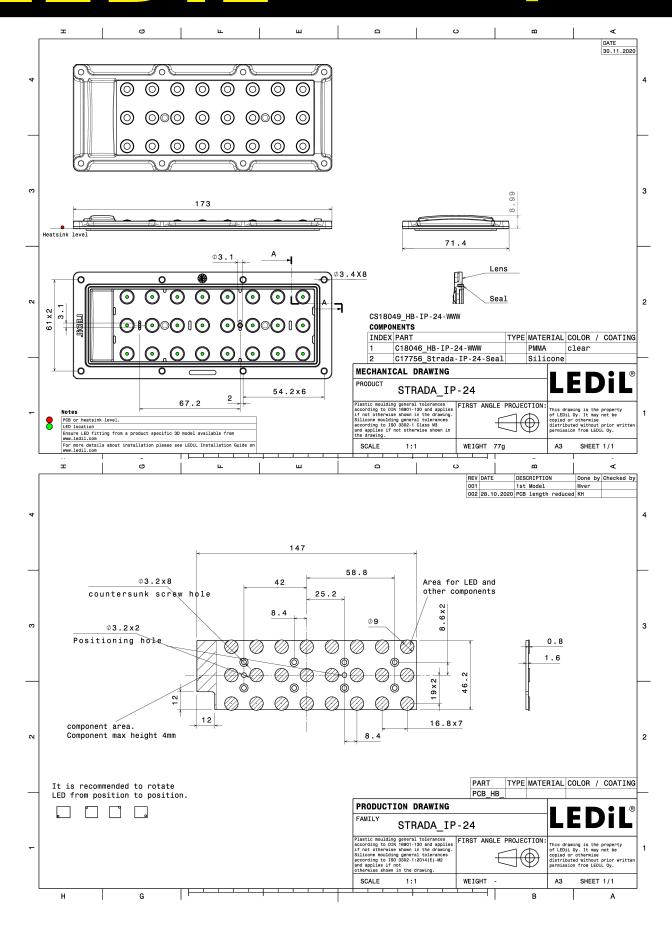
MATERIAL SPECIFICATIONS:

Component	Туре	Material	Colour	Finish
HB-IP-24-WWW	Multi-lens	PMMA	clear	
STRADA-IP-24-SEAL	Seal	Silicone	white	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CS18049_HB-IP-24-WWW	120	120	40	5.2
» Box size: 476 x 273 x 247 mm				

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



PHOTOMETRIC DATA (MEASURED):

	EDS	90 ⁴ 90 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON 5050 HE 93.0° / 113.0° 96 % 0.5 cd/lm 1 White	
	.EDS	95 95
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON 5050 Square LES 92.0° / 112.0° 95 % 0.5 cd/lm 1 White ents:	
OSRAM Opto Semiconductors		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Duris S8 96.0° / 114.0° 96 % 0.5 cd/lm 1 White ents:	
OSRAM Opto Semiconductors		30 ⁴ 30 ⁴ 30 ⁴ 30 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSCONIQ S 5050 94.0° / 113.0° 94 % 0.5 cd/lm 1 White ents:	



PHOTOMETRIC DATA (SIMULATED):

		50° 50°
FWHM / FWTM	J Series 3030 86.0° / 112.0°	75'
Efficiency	93 %	
	93 % 0.6 cd/lm	60° 60°
Peak intensity		
LEDs/each optic	1	
Light colour Required components:	White	
Required components.		400
		30° 36° 36° 36°
		90*
LED	J Series 5050 Round LES	
FWHM / FWTM	94.0° / 114.0°	73
Efficiency	93 %	60 ⁴
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	as ⁴
Required components:		
		400
		30° 30°
		15° 0° 15°
MST Your solutions		90°
LED	RecLED 147x47mm 5800lm 730 5050 STRADA-IP-24 G2	81 91 91
LED FWHM / FWTM	95.0° / 114.0°	37 59 ⁴ 59 ⁴ 59 ⁴
LED FWHM / FWTM Efficiency	95.0° / 114.0° 93 %	51 ⁴ 51 ⁴
LED FWHM / FWTM Efficiency Peak intensity	95.0° / 114.0° 93 % 0.5 cd/lm	9 ⁴ 9 ⁴ 7 ⁵ 6 ⁶ 2 ⁷⁰
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	95.0° / 114.0° 93 % 0.5 cd/lm 1	99 ⁴ 99 ⁴ 29 99 90 20 20 90 90 90 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	95.0° / 114.0° 93 % 0.5 cd/lm	99 ⁴ 99 ⁴ 737 99 ⁴ 99 ⁴ 200 9 ⁴ 9 ⁴ 9 ⁴ 9 ⁴ 9 ⁴ 9 ⁴ 9 ⁴ 9 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	95.0° / 114.0° 93 % 0.5 cd/lm 1	59 ⁴ 59 ⁴ 79 ⁵ 69 ⁴ 200 6 ⁴ 6 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	95.0° / 114.0° 93 % 0.5 cd/lm 1	59 ⁴ 59 ⁴ 79 ⁵ 69 ⁴ 200 67 67 69 69 69 69 67 67
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	95.0° / 114.0° 93 % 0.5 cd/lm 1	99° 99° 75° 72° 60° 00° 60° 00° 60° 00°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	95.0° / 114.0° 93 % 0.5 cd/lm 1	91 ⁴ 91 ⁴ 75 ⁷ 200 - 91 ⁶ 91 ⁴ 91 ⁵ 91 ⁴ 91 ⁵ 91 ⁴ 91 ⁵ 91 ⁵
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	95.0° / 114.0° 93 % 0.5 cd/lm 1 White	99 ⁴ 99 ⁴ 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	95.0° / 114.0° 93 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	95.0° / 114.0° 93 % 0.5 cd/lm 1 White G HiLOM RM24 ZP (LH502C)	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM	95.0° / 114.0° 93 % 0.5 cd/lm 1 White G HiLOM RM24 ZP (LH502C) 93.0° / 114.0°	54 54 54 54 54 54 54 54 54 54 54 54 54 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency	95.0° / 114.0° 93 % 0.5 cd/lm 1 White G HiLOM RM24 ZP (LH502C) 93.0° / 114.0° 93 %	54 54 54 54 54 54 54 54 54 54 54 54 54 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity	95.0° / 114.0° 93 % 0.5 cd/lm 1 White	54 54 54 54 54 54 54 54 54 54 54 54 54 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	95.0° / 114.0° 93 % 0.5 cd/lm 1 White	54 54 54 54 54 54 54 54 54 54 54 54 54 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	95.0° / 114.0° 93 % 0.5 cd/lm 1 White	54 54 54 54 54 54 54 54 54 54 54 54 54 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	95.0° / 114.0° 93 % 0.5 cd/lm 1 White	54 54 54 54 54 54 54 54 54 54 54 54 54 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	95.0° / 114.0° 93 % 0.5 cd/lm 1 White	54 54 54 54 54 54 54 54 54 54 54 54 54 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	95.0° / 114.0° 93 % 0.5 cd/lm 1 White	54 54 54 54 54 54 54 54 54 54 54 54 54 5



PHOTOMETRIC DATA (SIMULATED):

SAMSUN	IG	50° 90°
LED	LH502C	
FWHM / FWTM	92.0° / 113.0°	75 75
Efficiency	93 %	
Peak intensity	0.5 cd/lm	60 ⁶
LEDs/each optic	1	
Light colour	White	e7
Required components:		
		30° 35°
		15° 0° 15°
SAMSUN	G	90* 90*
LED	LH508C	
FWHM / FWTM	89.0° / 112.0°	21
Efficiency	93 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	gr gr
Required components:		
		305 660 345
		15° 0° 15°
SEOUL		90° 90°
LED	SEOUL DC 5050 6V	
FWHM / FWTM	94.0° / 114.0°	
Efficiency	93 %	60*
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	g*
Required components:		
		300 300
		15" 0° 15°



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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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