

## HB-IP-24-W

~60° wide beam.

### SPECIFICATION:

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

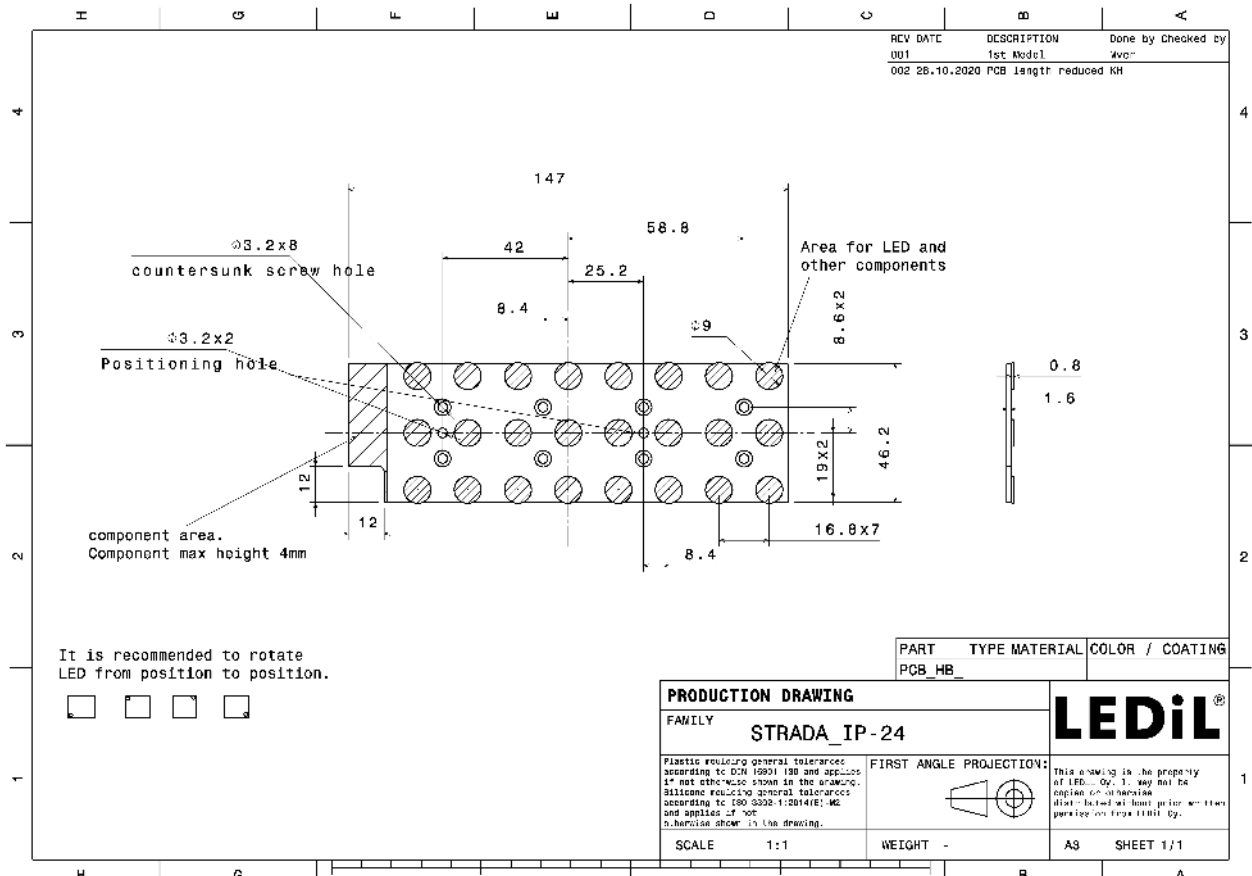
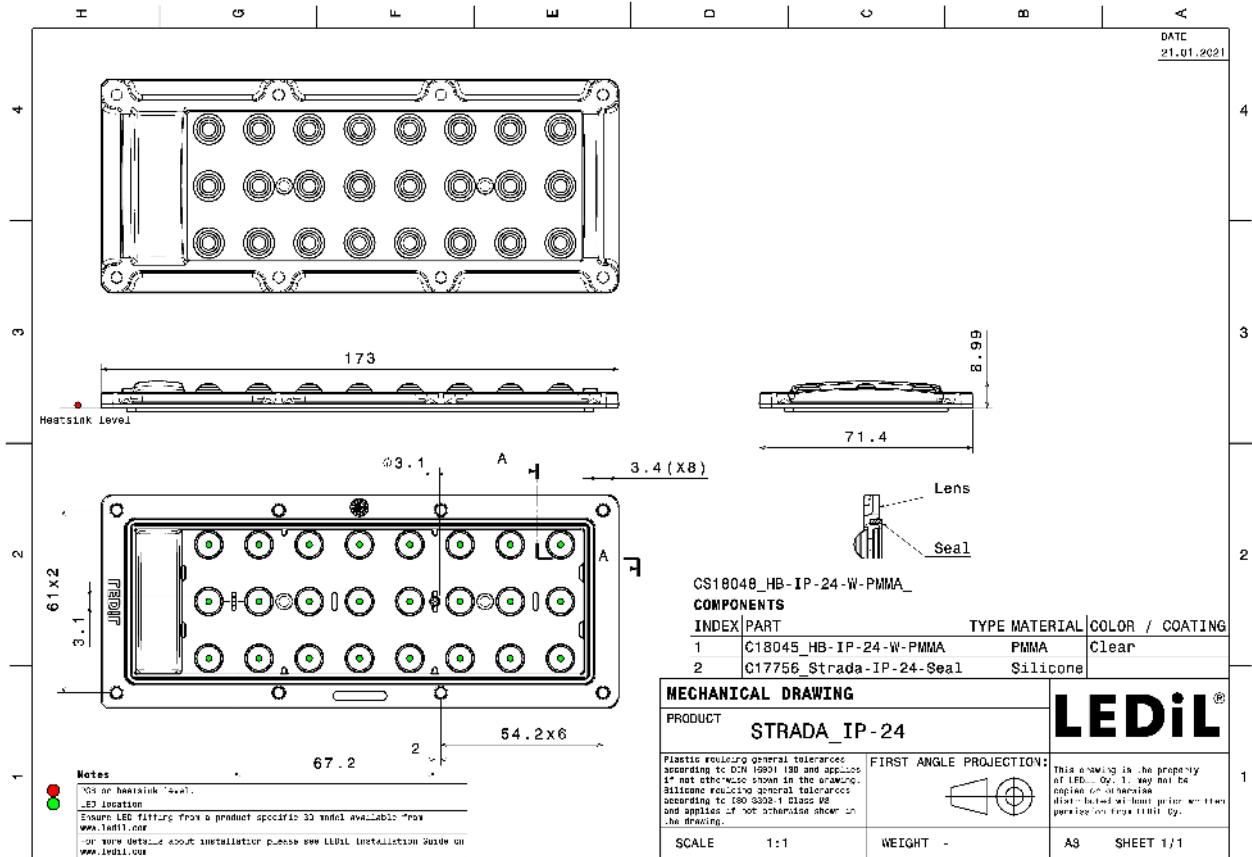
### MATERIALS:

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





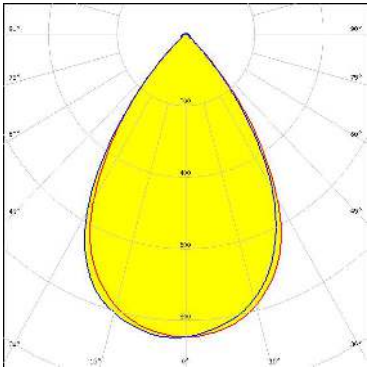

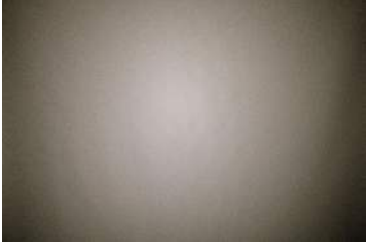
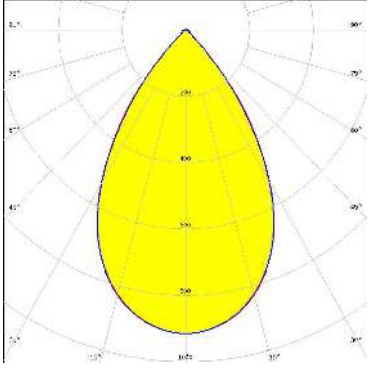

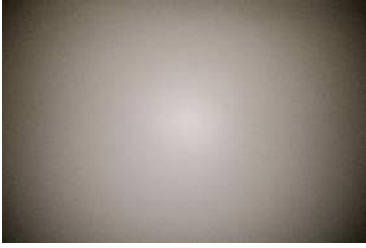
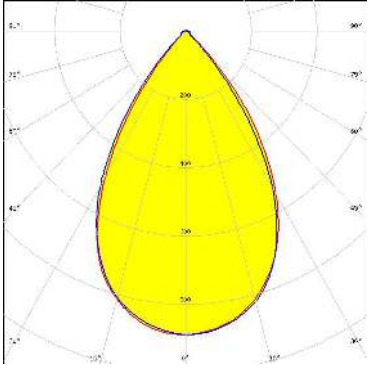


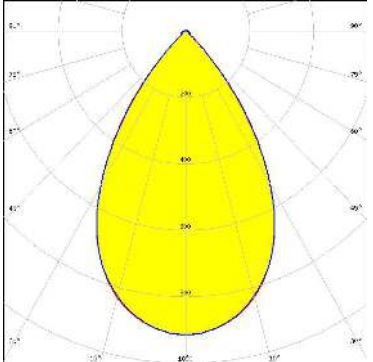
### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CS18048_HB-IP-24-W » Box size: 476 x 273 x 247 mm	120	120	40	5.6


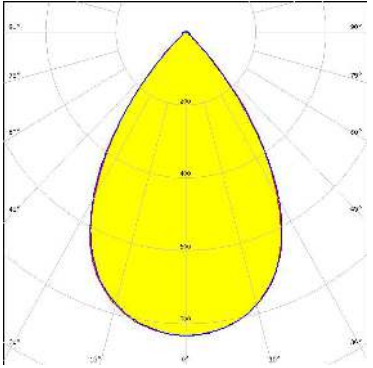

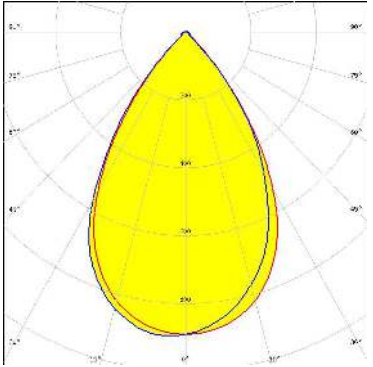


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

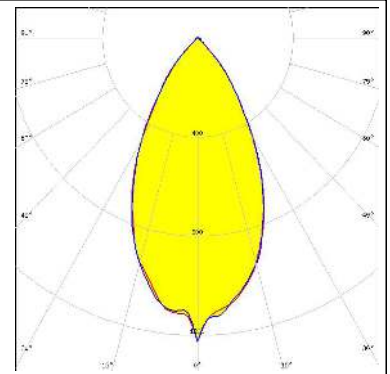
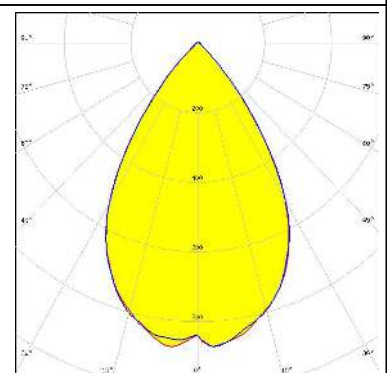
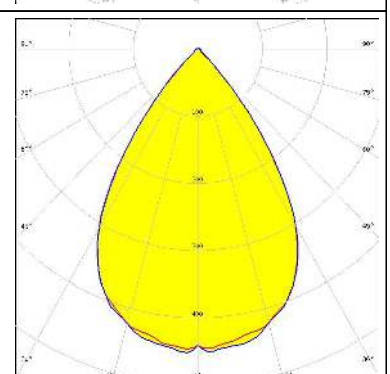
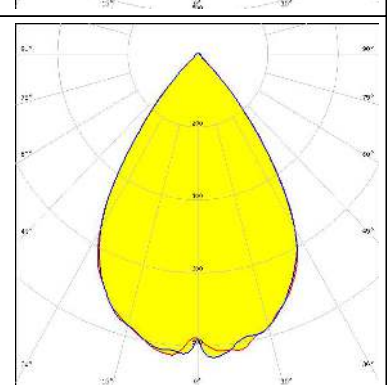
#### OPTICAL RESULTS (MEASURED):

	<p>LED LIGHT ENGINE STRADA-IP 24 LEDs 147.4 x 46.2 x 1.5</p> <p>FWHM / FWTM 68.0° / 90.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 0.9 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
	<p>LED LUXEON 5050 HE</p> <p>FWHM / FWTM 65.0° / 89.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 0.9 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
	<p>LED LUXEON 5050 Square LES</p> <p>FWHM / FWTM 65.0° / 88.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 0.9 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
	<p>LED LUXEON XR-5050 HE (L225-xxxx024MLU010)</p> <p>FWHM / FWTM 65.0° / 89.0°</p> <p>Efficiency 97 %</p> <p>Peak intensity 0.9 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

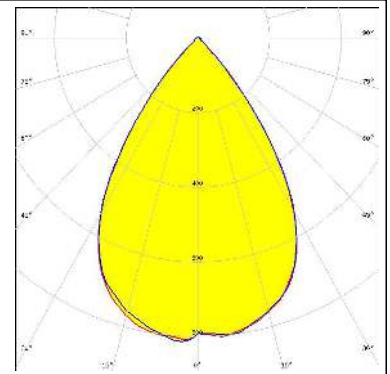
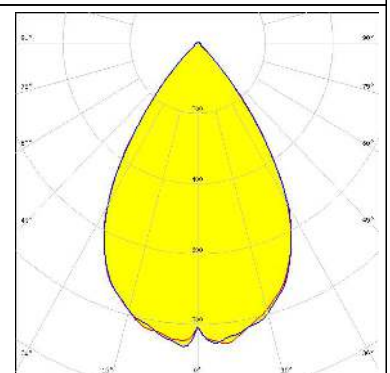
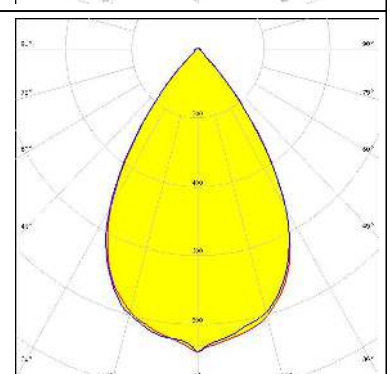
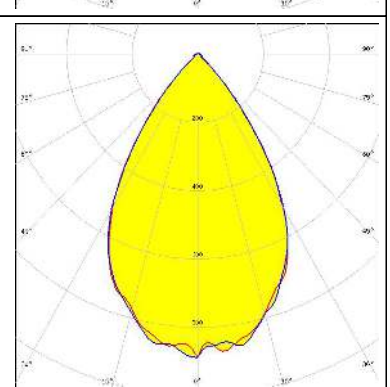
### OPTICAL RESULTS (MEASURED):

<b>OSRAM</b> Opto Semiconductors			
LED	OSCONIQ S 5050		
FWHM / FWTM	68.0° / 90.0°		
Efficiency	95 %		
Peak intensity	0.8 cd/lm		
LEDs/each optic	1		
Light colour	White		
Required components:			
<b>SAMSUNG</b>			
LED	HiLOM RM24 ZP (LH502D)		
FWHM / FWTM	66.0° / 90.0°		
Efficiency	97 %		
Peak intensity	0.9 cd/lm		
LEDs/each optic	1		
Light colour	White		
Required components:			

#### OPTICAL RESULTS (SIMULATED):

<p><b>CREE</b> LED</p> <p>LED J Series 3030            FWHM / FWTM 52.0° / 86.0°            Efficiency 94 %            Peak intensity 1.2 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>CREE</b> LED</p> <p>LED J Series 5050C 6V E Class            FWHM / FWTM 66.0° / 90.0°            Efficiency 94 %            Peak intensity 0.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>MST</b> Your solutions</p> <p>LED RecLED 147x47mm 5800lm 7x0 5050 STRADA-IP-24 G2            FWHM / FWTM 70.0° / 90.0°            Efficiency 93 %            Peak intensity 0.8 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED NFMW48xA            FWHM / FWTM 68.0° / 90.0°            Efficiency 94 %            Peak intensity 0.8 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	

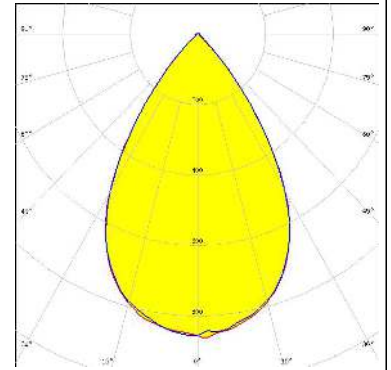
#### OPTICAL RESULTS (SIMULATED):

<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Duris S8</p> <p>FWHM / FWTM 68.0° / 90.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>SAMSUNG</b></p> <p>LED HiLOM RM24 ZP (LH502C)</p> <p>FWHM / FWTM 66.0° / 89.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 0.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>SAMSUNG</b></p> <p>LED LH502C</p> <p>FWHM / FWTM 66.0° / 88.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>SAMSUNG</b></p> <p>LED LH502D</p> <p>FWHM / FWTM 66.0 + 65.0° / 90.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

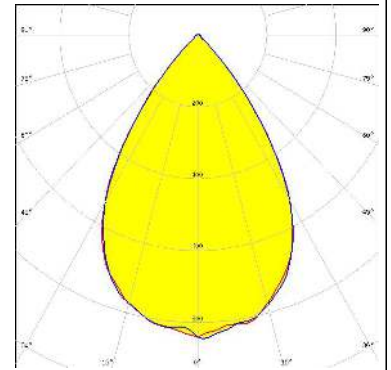
**OPTICAL RESULTS (SIMULATED):**

## SAMSUNG

LED LH508C  
 FWHM / FWTM 66.0° / 88.0°  
 Efficiency 91 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED SEOUL DC 5050 6V  
 FWHM / FWTM 68.0° / 90.0°  
 Efficiency 93 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### 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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#### LEDiL Oy

Joensuunkatu 13  
FI-24240 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Ledil Optics Technology (Shenzhen) Co., Ltd.

# 405 , Block B  
Casic Motor Building  
Shenzhen 518057  
P.R.CHINA

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