

## HB-IP-24-W

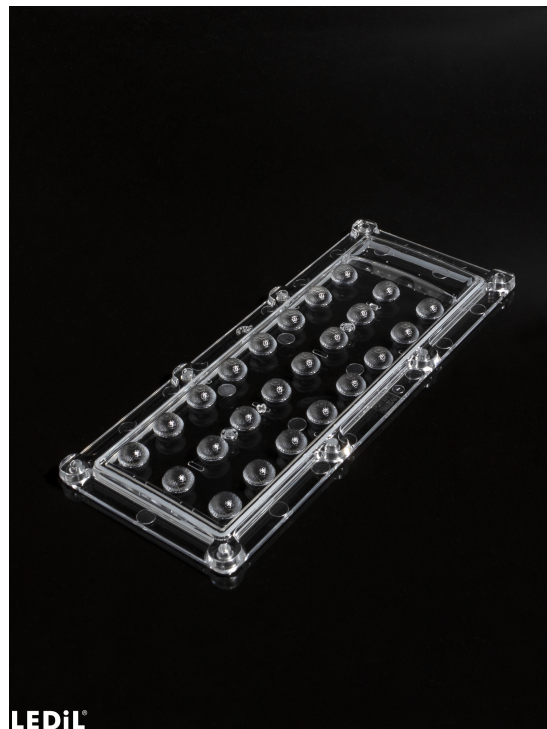
~60° wide beam.

### SPECIFICATION:

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

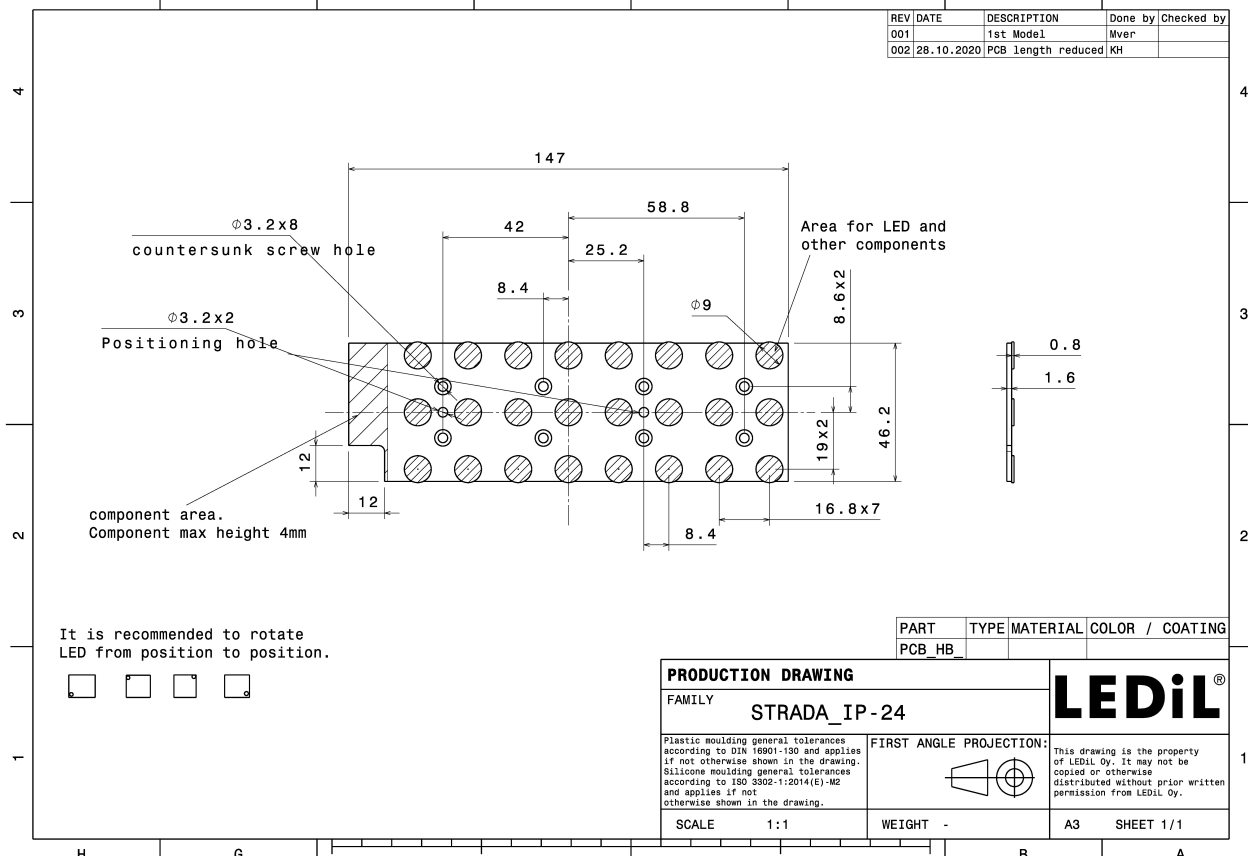
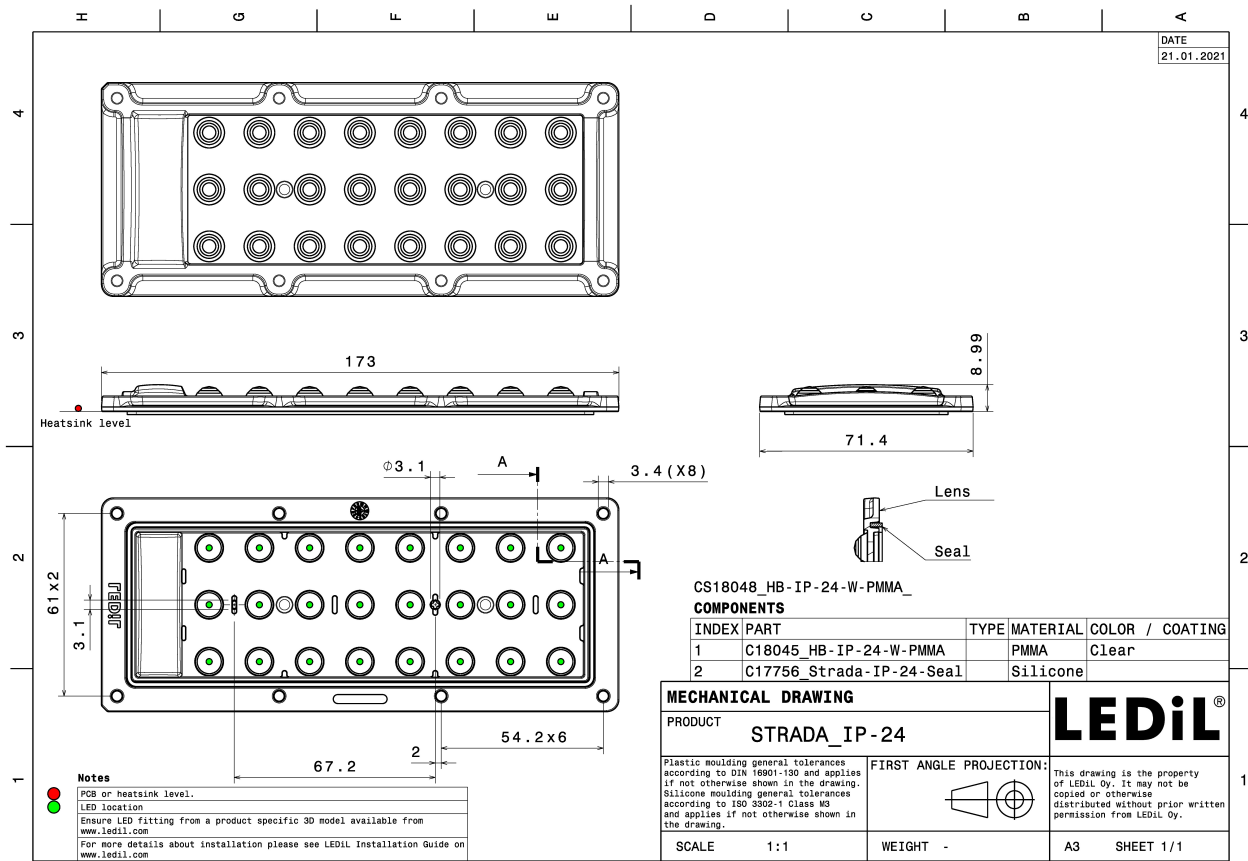
### MATERIALS:

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	120	120	40	5.6
» Box size: 476 x 273 x 247 mm				

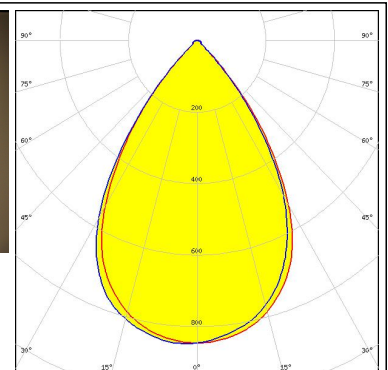
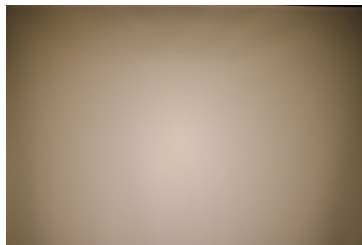


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

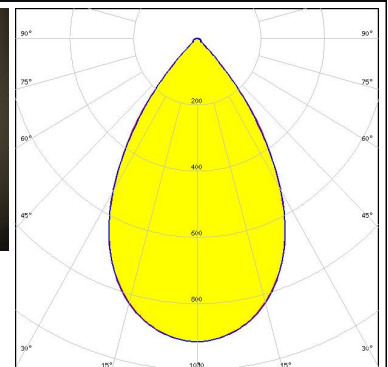
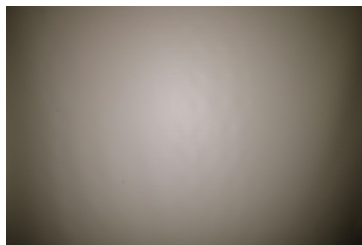
#### OPTICAL RESULTS (MEASURED):



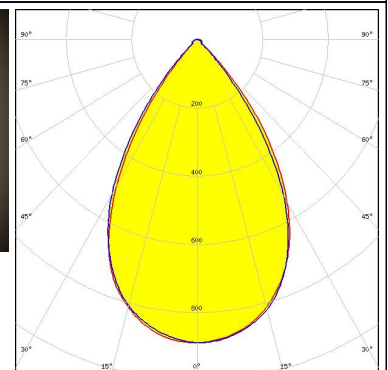
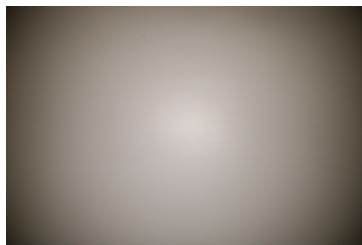
LED LIGHT ENGINE STRADA-IP 24 LEDs 147.4 x 46.2 x 1.5  
 FWHM / FWTM 68.0° / 90.0°  
 Efficiency 96 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



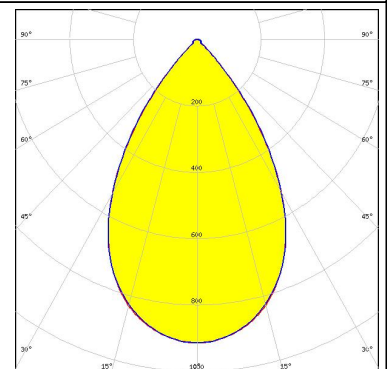
LED LUXEON 5050 HE  
 FWHM / FWTM 65.0° / 89.0°  
 Efficiency 96 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON 5050 Square LES  
 FWHM / FWTM 65.0° / 88.0°  
 Efficiency 95 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON XR-5050 HE (L225-xxxx024MLU010)  
 FWHM / FWTM 65.0° / 89.0°  
 Efficiency 97 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

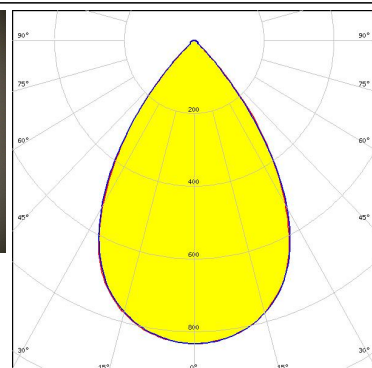
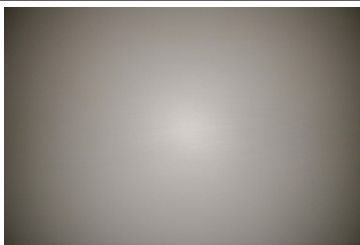


### OPTICAL RESULTS (MEASURED):

#### OSRAM

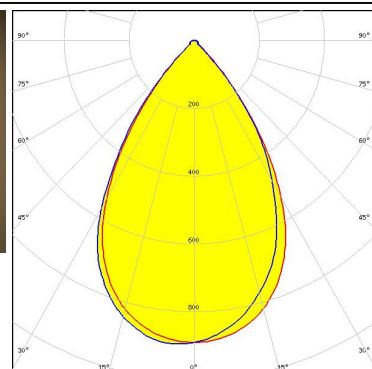
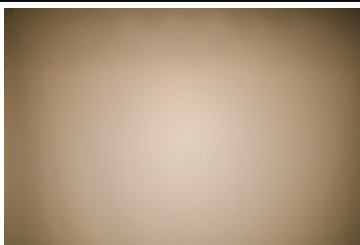
Opto Semiconductors

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:



#### SAMSUNG

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:

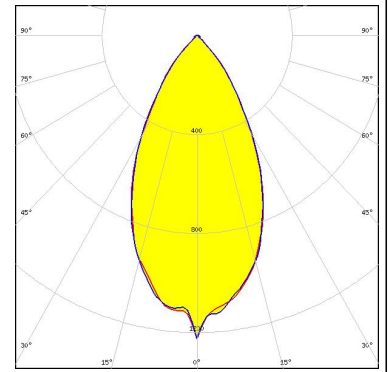




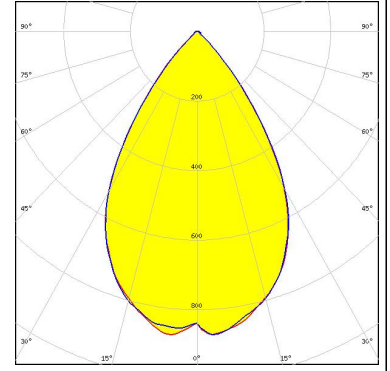
#### OPTICAL RESULTS (SIMULATED):



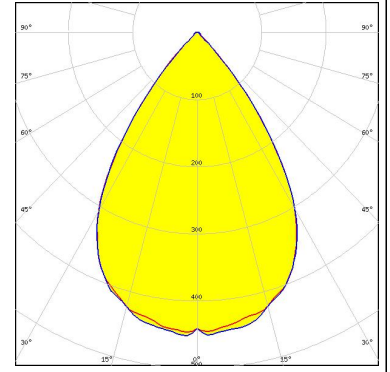
LED J Series 3030  
FWHM / FWTM 52.0° / 86.0°  
Efficiency 94 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



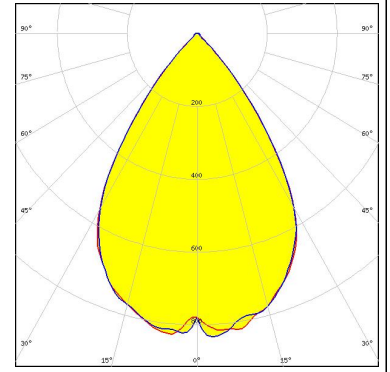
LED J Series 5050C 6V E Class  
FWHM / FWTM 66.0° / 90.0°  
Efficiency 94 %  
Peak intensity 0.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



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:



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:

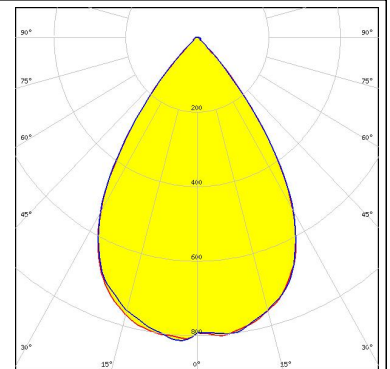


### OPTICAL RESULTS (SIMULATED):

#### OSRAM

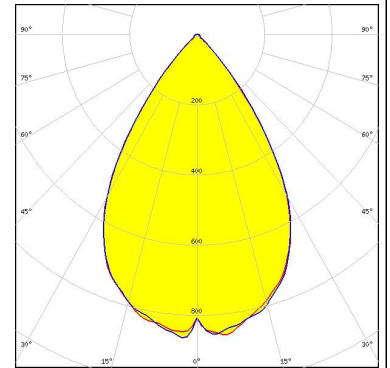
Opto Semiconductors

LED Duris S8  
FWHM / FWTM 68.0° / 90.0°  
Efficiency 94 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



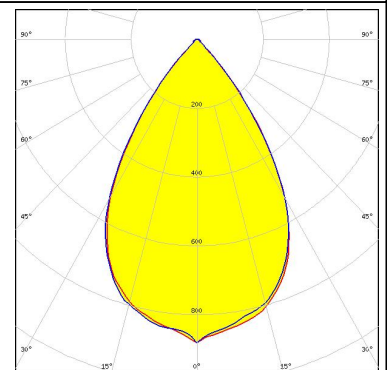
#### SAMSUNG

LED HiLOM RM24 ZP (LH502C)  
FWHM / FWTM 66.0° / 89.0°  
Efficiency 93 %  
Peak intensity 0.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



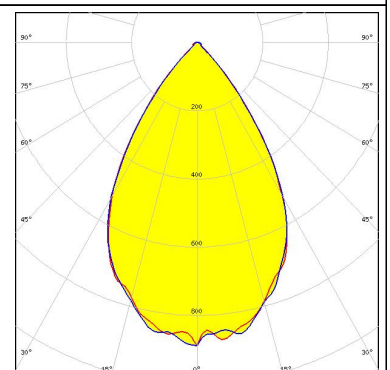
#### SAMSUNG

LED LH502C  
FWHM / FWTM 66.0° / 88.0°  
Efficiency 94 %  
Peak intensity 0.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### SAMSUNG

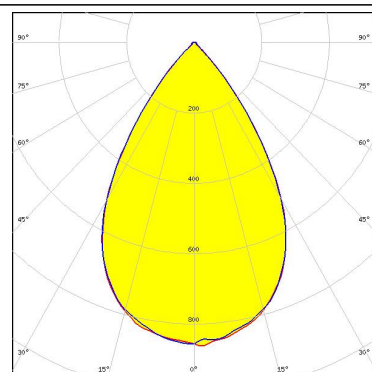
LED LH502D  
FWHM / FWTM 66.0 + 65.0° / 90.0°  
Efficiency 94 %  
Peak intensity 0.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



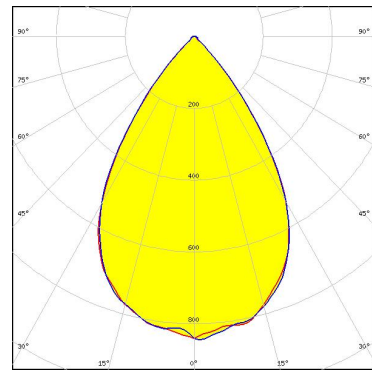
### OPTICAL RESULTS (SIMULATED):

#### 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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