

## HB-IP-24-WWW-PC

~90° wide beam. Variant made from PC.

### SPECIFICATION:

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

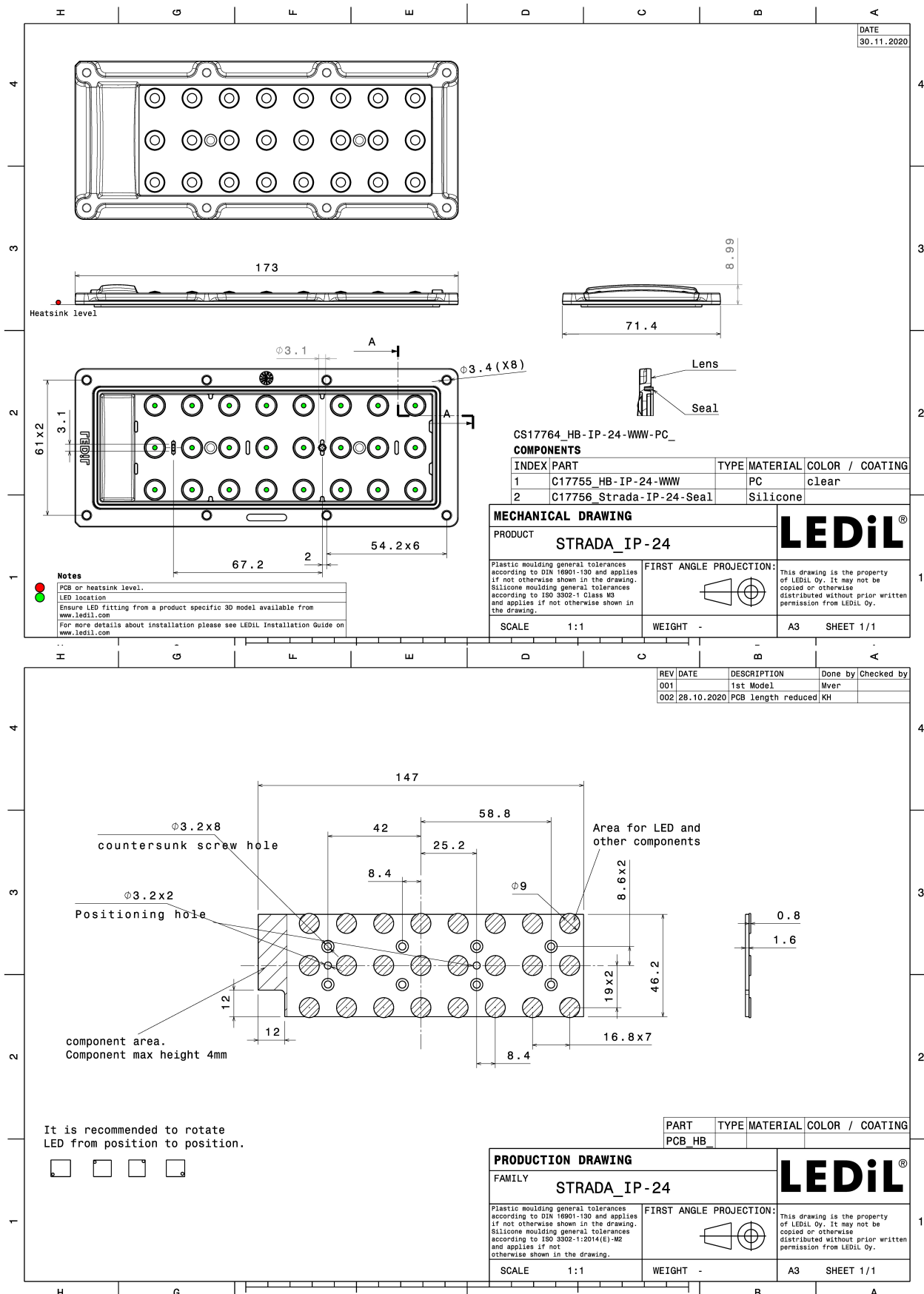
### MATERIALS:

| Component         | Type       | Material | Colour | Finish |
|-------------------|------------|----------|--------|--------|
| HB-IP-24-WWW-PC   | Multi-lens | PC       | clear  |        |
| STRADA-IP-24-SEAL | Seal       | Silicone | white  |        |



### ORDERING INFORMATION:

| Component                                                 | Qty in box | MOQ | MPQ | Box weight (kg) |
|-----------------------------------------------------------|------------|-----|-----|-----------------|
| CS17764_HB-IP-24-WWW-PC<br>» Box size: 476 x 273 x 247 mm | 120        | 120 | 40  | 5.2             |

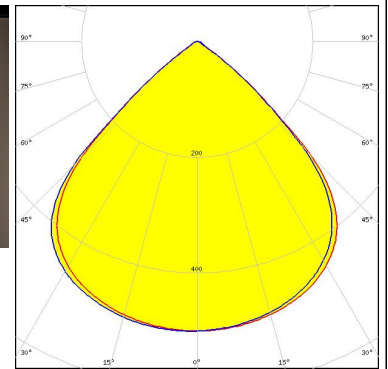


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

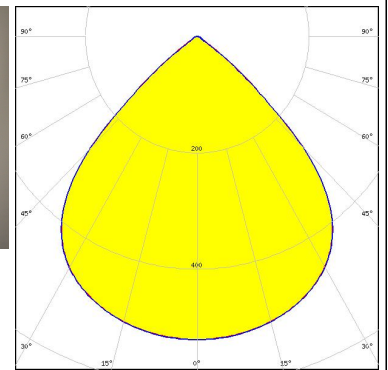
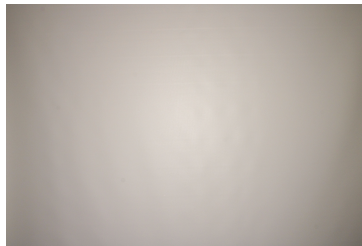
#### OPTICAL RESULTS (MEASURED):



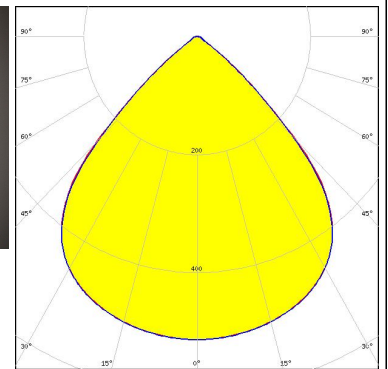
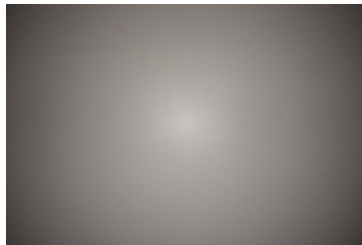
LED LIGHT ENGINE STRADA-IP 24 LEDs 147.4 x 46.2 x 1.5  
 FWHM / FWTM 92.0° / 109.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



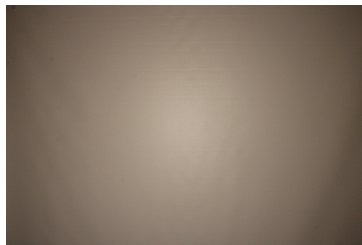
LED LUXEON 5050 HE  
 FWHM / FWTM 91.0° / 108.0°  
 Efficiency 94 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON 5050 Square LES  
 FWHM / FWTM 90.0° / 108.0°  
 Efficiency 93 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON XR-5050 HE (L225-xxxx024MLU010)  
 FWHM / FWTM 92.0° / 109.0°  
 Efficiency 95 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

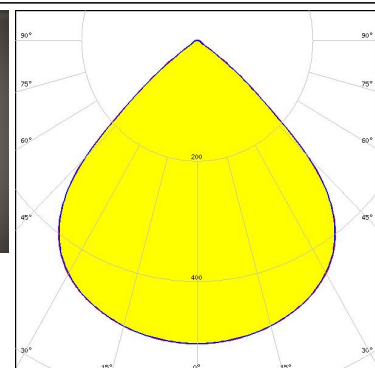


### OPTICAL RESULTS (MEASURED):

#### OSRAM

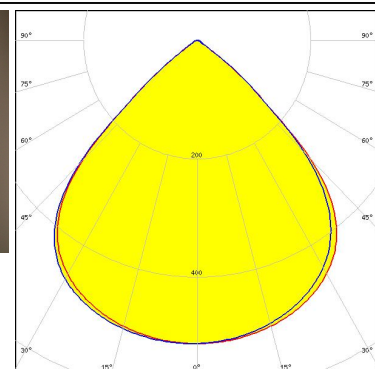
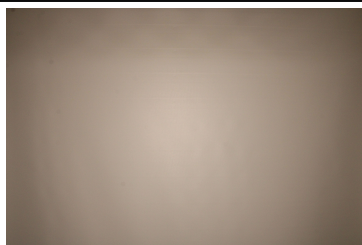
Opto Semiconductors

LED OSCONIQ S 5050  
FWHM / FWTM 91.0° / 109.0°  
Efficiency 93 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### SAMSUNG

LED HiLOM RM24 ZP (LH502D)  
FWHM / FWTM 92.0° / 109.0°  
Efficiency 95 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

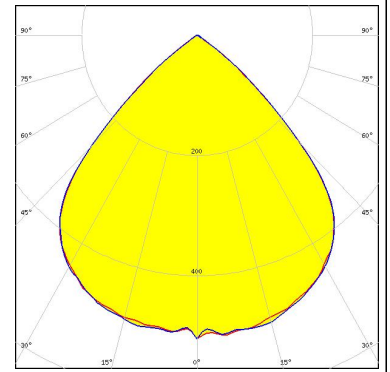




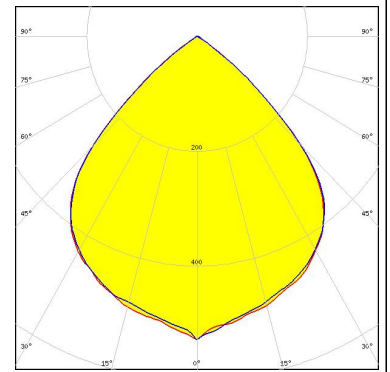
#### OPTICAL RESULTS (SIMULATED):



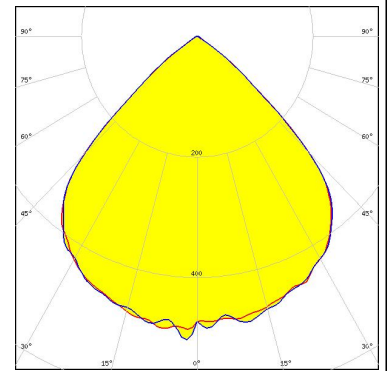
LED J Series 5050 Round LES  
 FWHM / FWTM 90.0° / 108.0°  
 Efficiency 90 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



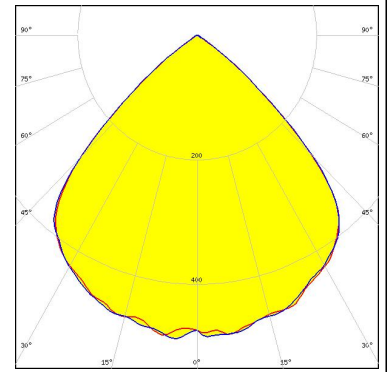
LED J Series 5050C 6V E Class  
 FWHM / FWTM 90.0° / 110.0°  
 Efficiency 90 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED RecLED 147x47mm 5800lm 7x0 5050 STRADA-IP-24 G2  
 FWHM / FWTM 92.0° / 110.0°  
 Efficiency 90 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



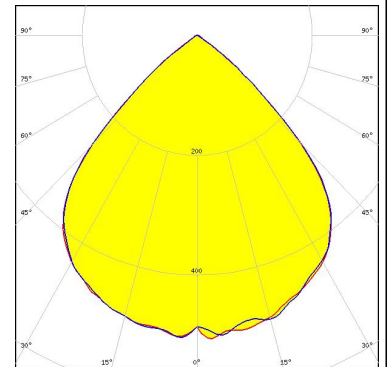
LED NFMW48xA  
 FWHM / FWTM 92.0° / 110.0°  
 Efficiency 90 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### OPTICAL RESULTS (SIMULATED):

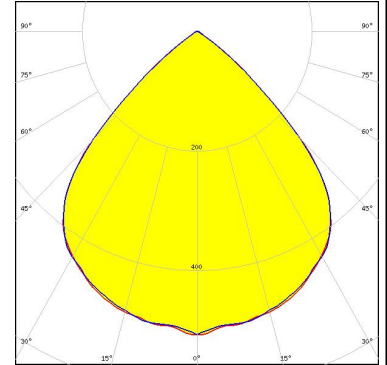
#### SAMSUNG

LED HiLOM RM24 ZP (LH502C)  
 FWHM / FWTM 90.0° / 108.0°  
 Efficiency 90 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



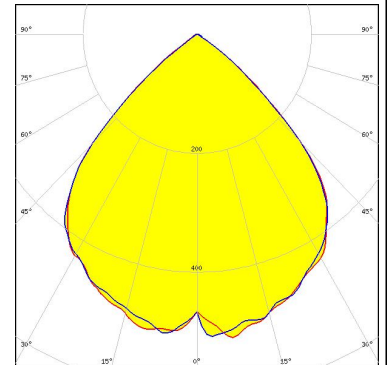
#### SAMSUNG

LED LH502C  
 FWHM / FWTM 90.0° / 108.0°  
 Efficiency 90 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



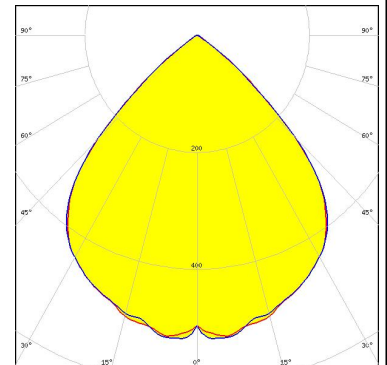
#### SAMSUNG

LED LH502D  
 FWHM / FWTM 90.0° / 110.0 + 109.0°  
 Efficiency 90 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### SAMSUNG

LED LH508C  
 FWHM / FWTM 90.0° / 108.0°  
 Efficiency 90 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



## OPTICAL RESULTS (SIMULATED):



### 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:

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