

### IRIS

~10° spot beam with holder optimized for Luminus SST-50

#### SPECIFICATION:

|                |           |
|----------------|-----------|
| Dimensions     | Ø 38.0 mm |
| Height         | 28.1 mm   |
| Fastening      | glue, pin |
| ROHS compliant | yes ⓘ     |

#### MATERIALS:

| Component           | Type        | Material | Colour | Finish |
|---------------------|-------------|----------|--------|--------|
| C10781_IRIS         | Single lens | PMMA     | clear  |        |
| C11534_IRIS-SST-HLD | Holder      | PC       | black  |        |

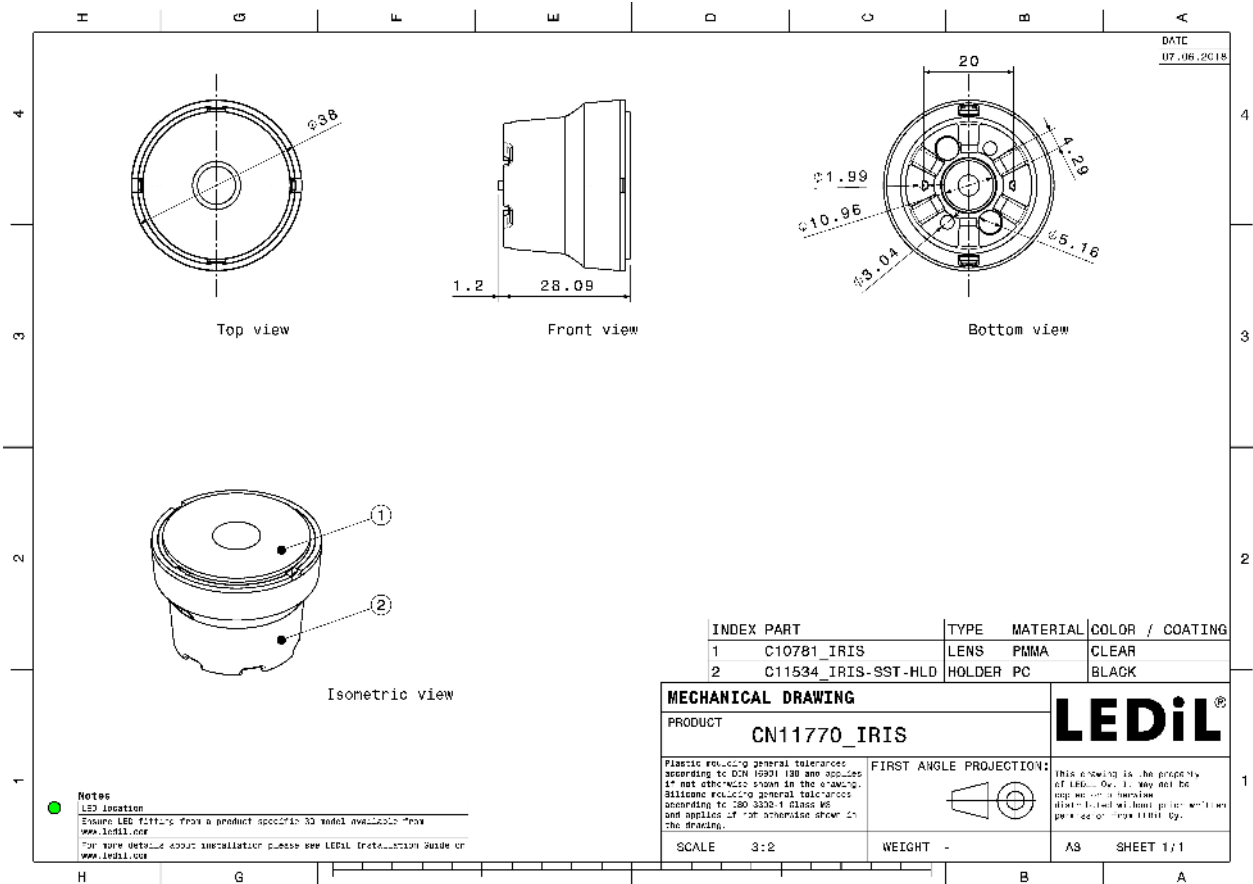


#### ORDERING INFORMATION:

##### Quantities for one set:


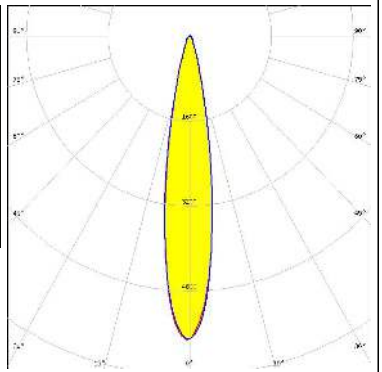

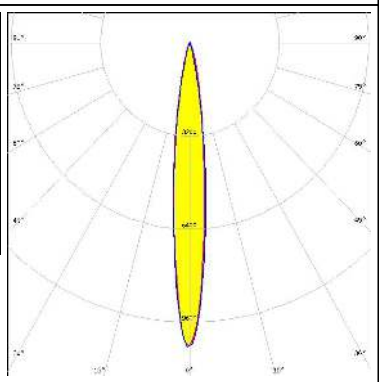
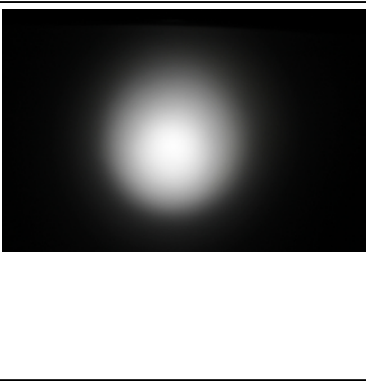
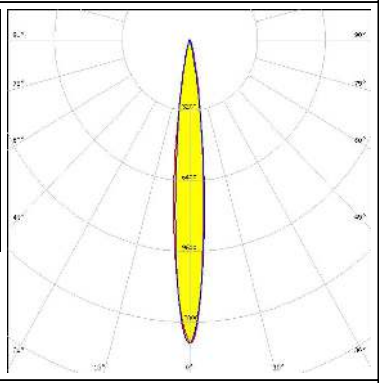

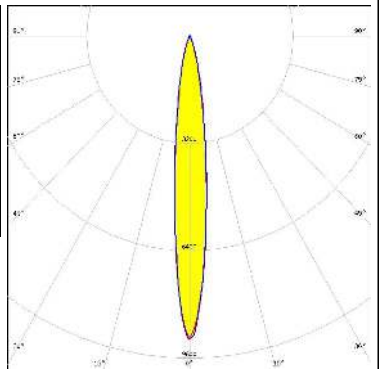
|             |   |
|-------------|---|
| Single lens | 1 |
| Holder      | 1 |

| Component                      |             | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|-------------|------------|-----|-----|-----------------|
| C10781_IRIS                    | Single lens | 580        | 116 | 58  | 9.0             |
| » Box size: 480 x 280 x 300 mm |             |            |     |     |                 |
| C11534_IRIS-SST-HLD            | Holder      | 1044       | 116 | 29  | 6.8             |
| » Box size: 480 x 280 x 300 mm |             |            |     |     |                 |



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

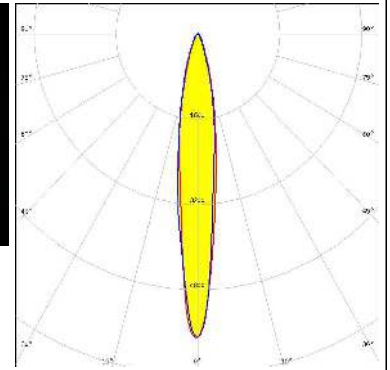
### OPTICAL RESULTS (MEASURED):

|                                                                                                                                                                                                                                                                           |                                                                                      |                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <p><b>CREE</b> ⇄ <b>LED</b></p> <p>LED MHD-E/G<br/>           FWHM / FWTM 18.0° / 36.0°<br/>           Efficiency 93 %<br/>           Peak intensity 5.7 cd/lm<br/>           LEDs/each optic 1<br/>           Light colour White<br/>           Required components:</p> |    |    |
| <p><b>CREE</b> ⇄ <b>LED</b></p> <p>LED XHP35 HD<br/>           FWHM / FWTM 12.0° / 28.0°<br/>           Efficiency 85 %<br/>           Peak intensity 10 cd/lm<br/>           LEDs/each optic 1<br/>           Light colour White<br/>           Required components:</p> |   |   |
| <p><b>CREE</b> ⇄ <b>LED</b></p> <p>LED XHP35 HI<br/>           FWHM / FWTM 11.0° / 24.0°<br/>           Efficiency 87 %<br/>           Peak intensity 14 cd/lm<br/>           LEDs/each optic 1<br/>           Light colour White<br/>           Required components:</p> |  |  |
| <p><b>CREE</b> ⇄ <b>LED</b></p> <p>LED XHP50<br/>           FWHM / FWTM 13.0° / 30.0°<br/>           Efficiency 83 %<br/>           Peak intensity 9.1 cd/lm<br/>           LEDs/each optic 1<br/>           Light colour White<br/>           Required components:</p>   |  |  |

### OPTICAL RESULTS (MEASURED):

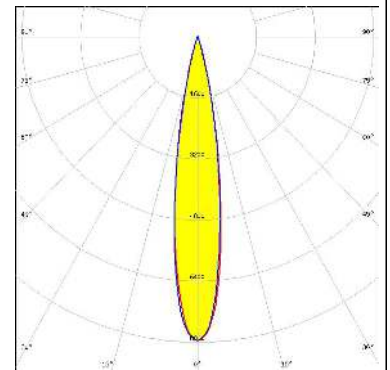
#### CREE LED

LED XHP70  
 FWHM / FWTM 14.0° / 39.0°  
 Efficiency 90 %  
 Peak intensity 5.7 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



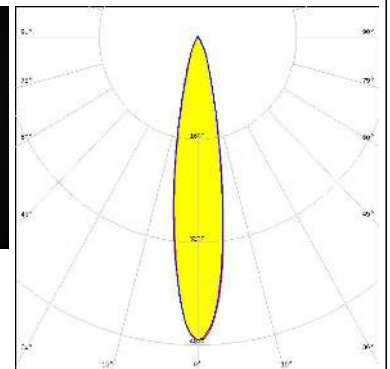
#### LUMINUS

LED SST-90  
 FWHM / FWTM 17.0° / 31.0°  
 Efficiency 0 %  
 Peak intensity 6.3 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



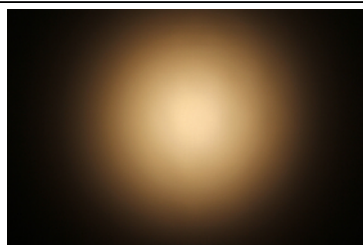
#### NICHIA

LED NV9W149AM  
 FWHM / FWTM 19.0° / 40.0°  
 Efficiency 80 %  
 Peak intensity 4.7 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM Opto Semiconductors

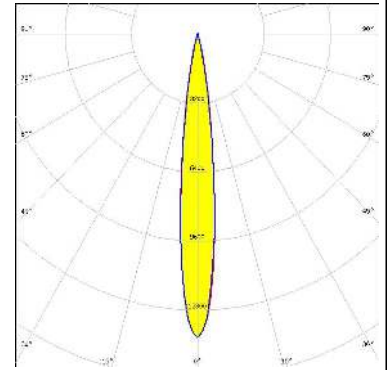
LED Duris S10  
 FWHM / FWTM 15.0° / 35.0°  
 Efficiency 83 %  
 Peak intensity 7.1 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



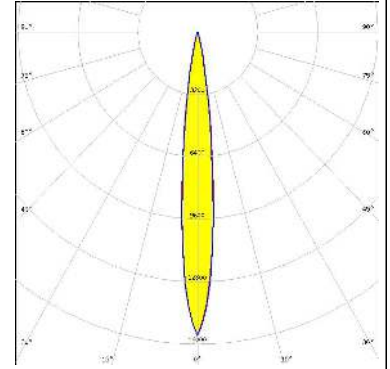
### OPTICAL RESULTS (SIMULATED):



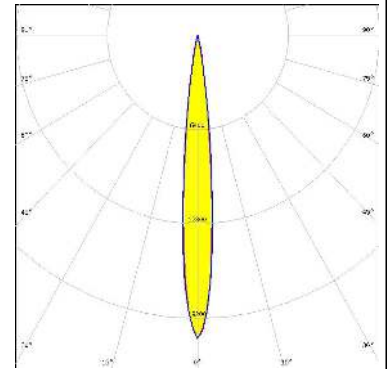
LED J Series 5050B 6V K Class  
 FWHM / FWTM 14.0° / 24.0°  
 Efficiency 92 %  
 Peak intensity 14.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



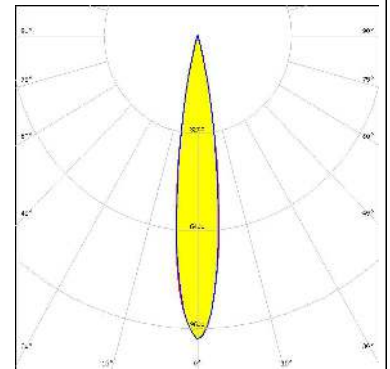
LED J Series 5050C 6V E Class  
 FWHM / FWTM 12.0° / 24.0°  
 Efficiency 92 %  
 Peak intensity 15.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED SBT-90  
 FWHM / FWTM 12.0° / 20.0°  
 Efficiency 93 %  
 Peak intensity 20.6 cd/lm  
 LEDs/each optic 1  
 Light colour Red  
 Required components:



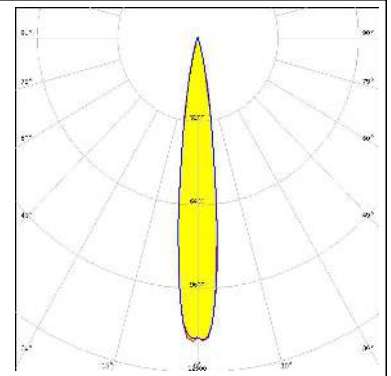
LED SST-90  
 FWHM / FWTM 16.0° / 28.0°  
 Efficiency 91 %  
 Peak intensity 10 cd/lm  
 LEDs/each optic 1  
 Light colour Red  
 Required components:



### OPTICAL RESULTS (SIMULATED):



|                      |               |
|----------------------|---------------|
| LED                  | NV4x144A      |
| FWHM / FWTM          | 14.0° / 26.0° |
| Efficiency           | 91 %          |
| Peak intensity       | 11.6 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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