

## SPORT-2X2-S6

Slightly asymmetric ~60° spot beam with minimum spill light

### SPECIFICATION:

|                |                |
|----------------|----------------|
| Dimensions     | 50.0 x 50.0 mm |
| Height         | 15.5 mm        |
| Fastening      | screw          |
| ROHS compliant | yes ⓘ          |

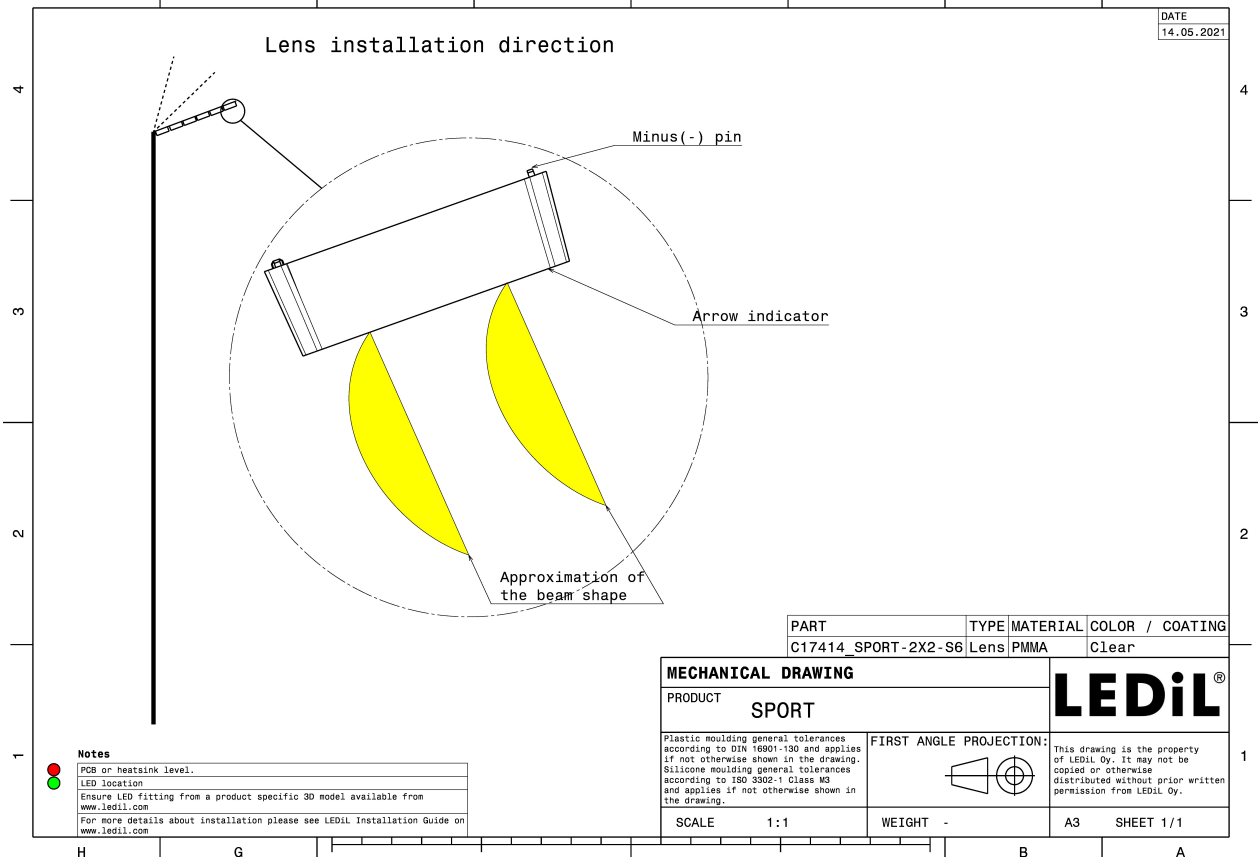
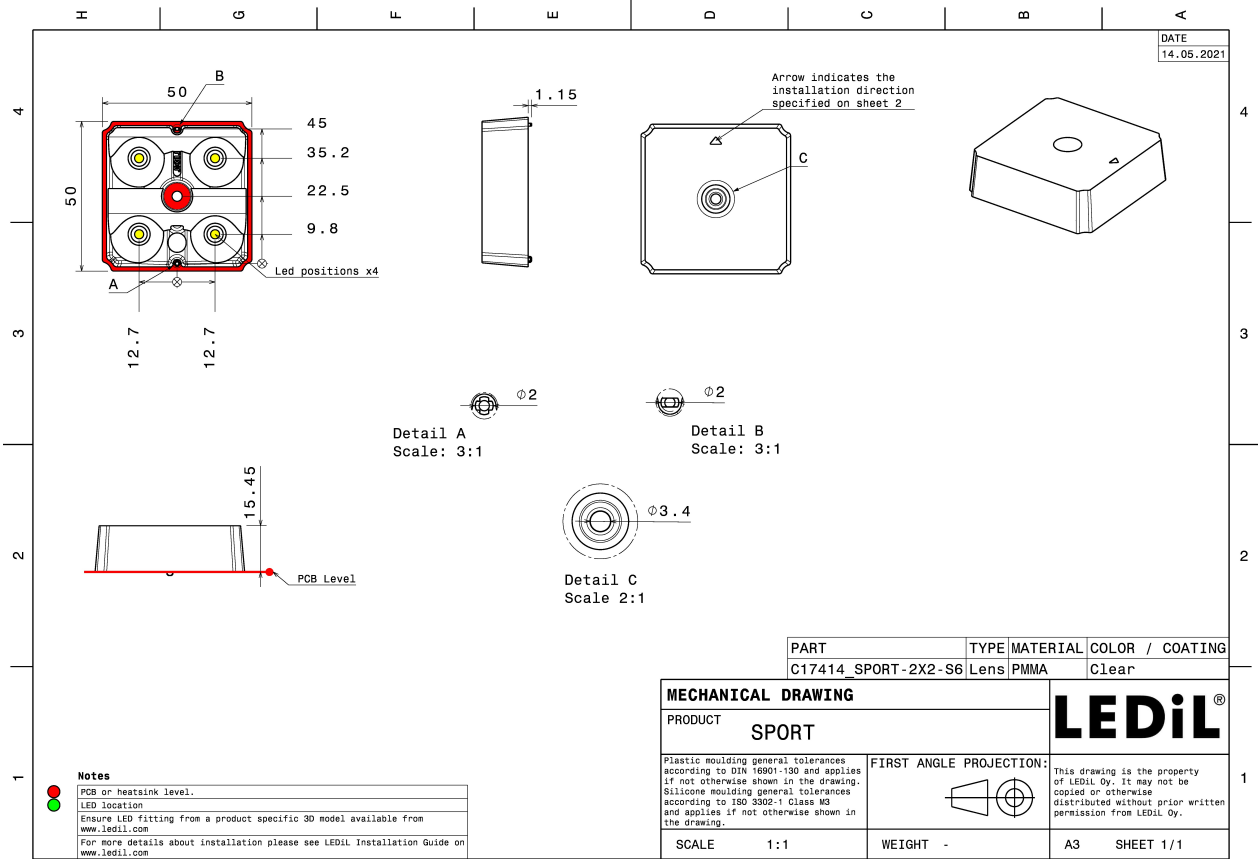
### MATERIALS:

| Component    | Type       | Material | Colour | Finish |
|--------------|------------|----------|--------|--------|
| SPORT-2X2-S6 | Multi-lens | PMMA     | clear  |        |



### ORDERING INFORMATION:

| Component   | Qty in box | MOQ | MPQ | Box weight (kg) |
|---|------------|-----|-----|-----------------|
| C17414_SPORT-2X2-S6<br>» Box size: 480 x 280 x 300 mm | 476        | 140 | 28  | 11.4            |

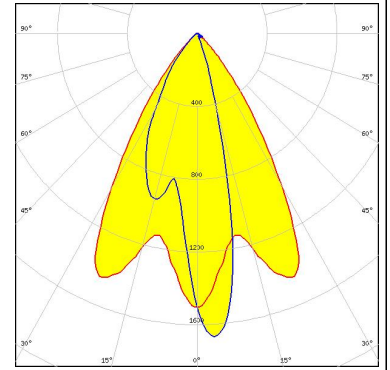


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

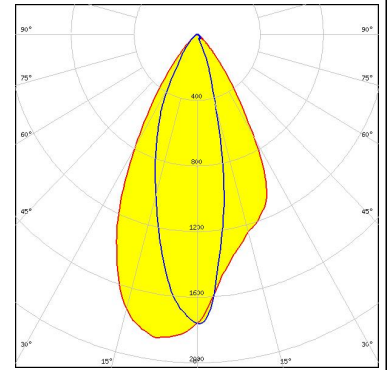
### OPTICAL RESULTS (MEASURED):



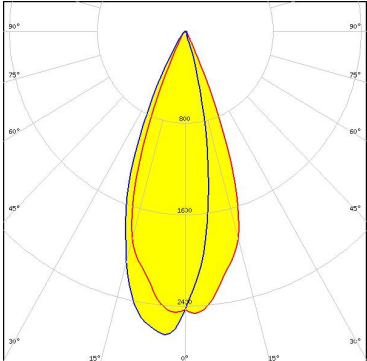
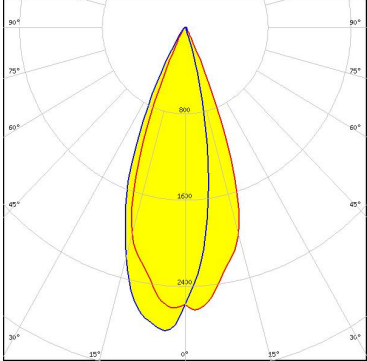
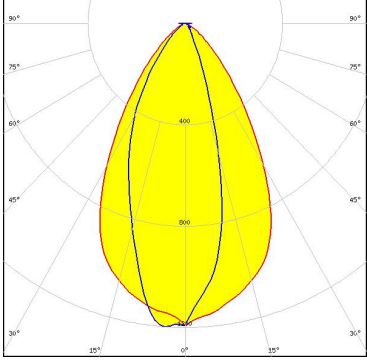
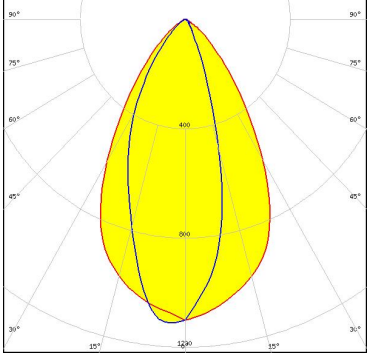
LED XP-G4  
FWHM / FWTM Asymmetric  
Efficiency 96 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



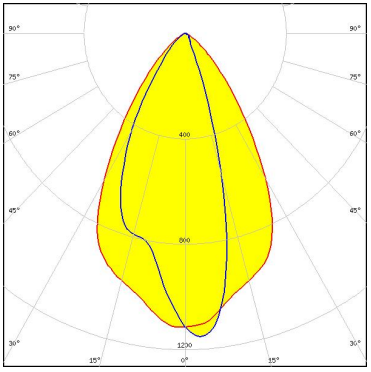
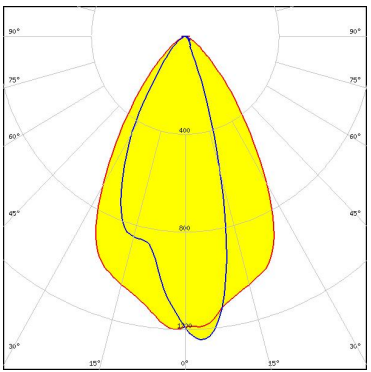
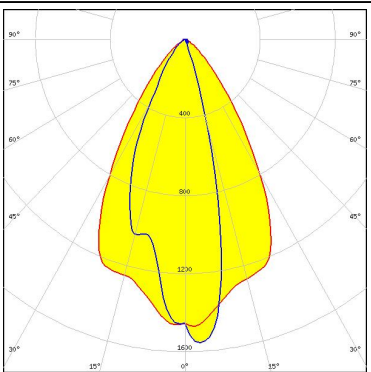
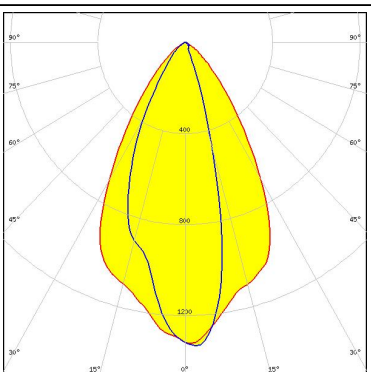
LED PassivePAQ-R-274x51-NI0-21K-857-5  
FWHM / FWTM Asymmetric  
Efficiency 97 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



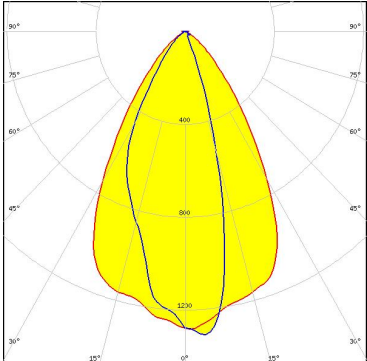
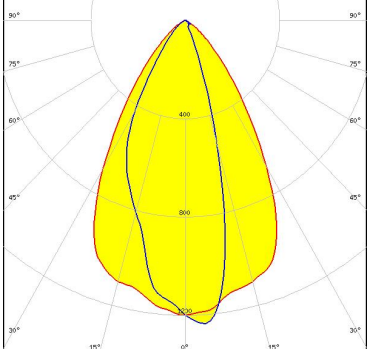
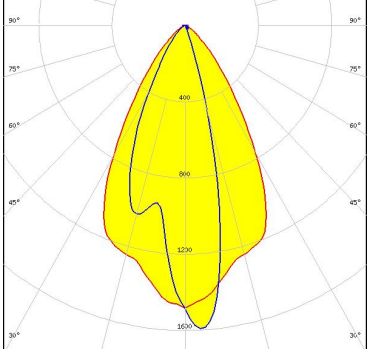
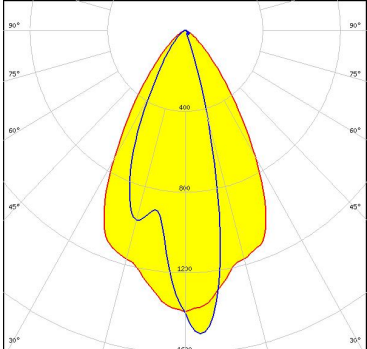
#### OPTICAL RESULTS (SIMULATED):

|   |   |
|---|---|
| <p><b>CREE</b><br/>LEDs</p> <p>LED J Series 5050 Round LES</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 92 %</p> <p>Peak intensity 2.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>Protective plate, glass</p> |    |
| <p><b>CREE</b><br/>LEDs</p> <p>LED J Series 5050 Round LES</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 97 %</p> <p>Peak intensity 2.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>                                |   |
| <p><b>CREE</b><br/>LEDs</p> <p>LED XHP35.2 HD</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 93 %</p> <p>Peak intensity 1.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>   |  |
| <p><b>CREE</b><br/>LEDs</p> <p>LED XHP35.2 HD</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 85 %</p> <p>Peak intensity 1.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>Protective plate, glass</p>              |  |

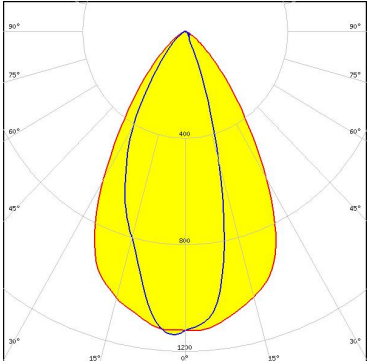
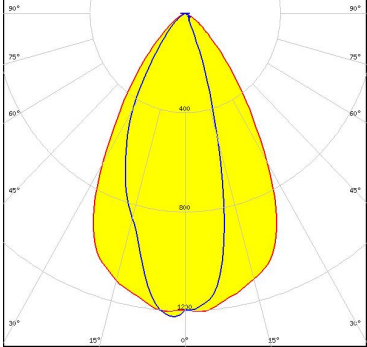
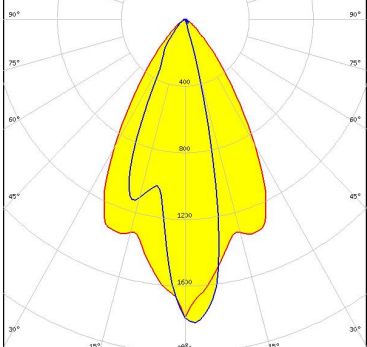
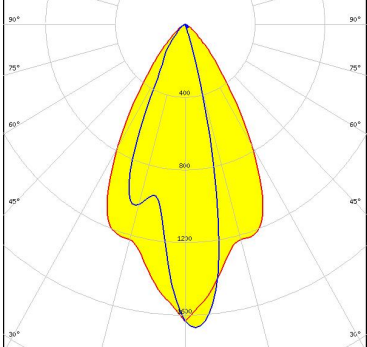
#### OPTICAL RESULTS (SIMULATED):

|   |   |
|---|---|
| <p><b>CREE</b><br/>LEDs</p> <p>LED XM-L3<br/>           FWHM / FWTM Asymmetric<br/>           Efficiency 86 %<br/>           Peak intensity 1.2 cd/lm<br/>           LEDs/each optic 1<br/>           Light colour White<br/>           Required components:</p> <p>Protective plate, glass</p> |    |
| <p><b>CREE</b><br/>LEDs</p> <p>LED XM-L3<br/>           FWHM / FWTM Asymmetric<br/>           Efficiency 94 %<br/>           Peak intensity 1.3 cd/lm<br/>           LEDs/each optic 1<br/>           Light colour White<br/>           Required components:</p>                                |   |
| <p><b>CREE</b><br/>LEDs</p> <p>LED XP-G2 HE<br/>           FWHM / FWTM Asymmetric<br/>           Efficiency 94 %<br/>           Peak intensity 1.6 cd/lm<br/>           LEDs/each optic 1<br/>           Light colour White<br/>           Required components:</p>                             |  |
| <p><b>CREE</b><br/>LEDs</p> <p>LED XP-G3<br/>           FWHM / FWTM Asymmetric<br/>           Efficiency 88 %<br/>           Peak intensity 1.3 cd/lm<br/>           LEDs/each optic 1<br/>           Light colour White<br/>           Required components:</p> <p>Protective plate, glass</p> |  |

#### OPTICAL RESULTS (SIMULATED):

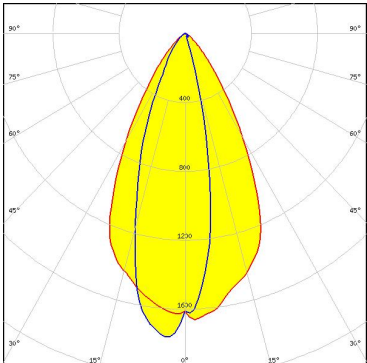
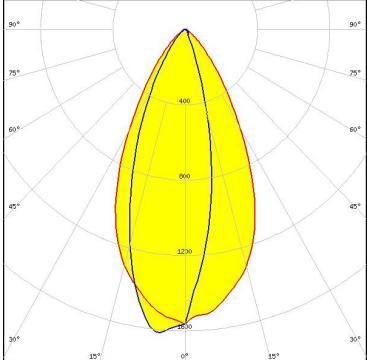
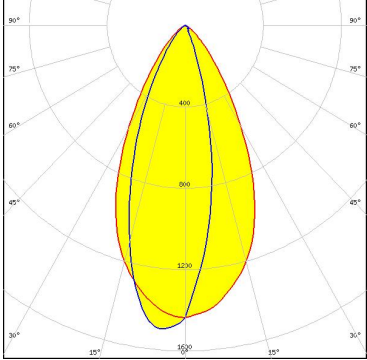
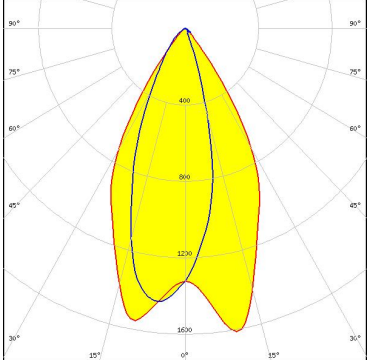
|   |   |
|---|---|
| <p><b>CREE</b><br/>LEDs</p> <p>LED: XP-L HD<br/>           FWHM / FWTM: Asymmetric<br/>           Efficiency: 94 %<br/>           Peak intensity: 1.3 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p>  |    |
| <p><b>CREE</b><br/>LEDs</p> <p>LED: XP-L HD<br/>           FWHM / FWTM: Asymmetric<br/>           Efficiency: 89 %<br/>           Peak intensity: 1.3 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p> <p style="background-color: #ADD8E6; padding: 2px; display: inline-block;">Protective plate, glass</p> |   |
| <p><b>CREE</b><br/>LEDs</p> <p>LED: XP-L HI<br/>           FWHM / FWTM: Asymmetric<br/>           Efficiency: 94 %<br/>           Peak intensity: 1.6 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p>  |  |
| <p><b>CREE</b><br/>LEDs</p> <p>LED: XP-L HI<br/>           FWHM / FWTM: Asymmetric<br/>           Efficiency: 89 %<br/>           Peak intensity: 1.5 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p> <p style="background-color: #ADD8E6; padding: 2px; display: inline-block;">Protective plate, glass</p> |  |

#### OPTICAL RESULTS (SIMULATED):

|   |   |
|---|---|
| <p><b>CREE</b><br/>LEDs</p> <p>LED: XP-L2<br/>           FWHM / FWTM: Asymmetric<br/>           Efficiency: 86 %<br/>           Peak intensity: 1.1 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p> <p>Protective plate, glass</p> |    |
| <p><b>CREE</b><br/>LEDs</p> <p>LED: XP-L2<br/>           FWHM / FWTM: Asymmetric<br/>           Efficiency: 93 %<br/>           Peak intensity: 1.2 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p>                                |   |
| <p><b>CREE</b><br/>LEDs</p> <p>LED: XP-P<br/>           FWHM / FWTM: Asymmetric<br/>           Efficiency: 95 %<br/>           Peak intensity: 1.8 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p>                                 |  |
| <p><b>CREE</b><br/>LEDs</p> <p>LED: XP-P<br/>           FWHM / FWTM: Asymmetric<br/>           Efficiency: 88 %<br/>           Peak intensity: 1.7 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p> <p>Protective plate, glass</p>  |  |



#### OPTICAL RESULTS (SIMULATED):

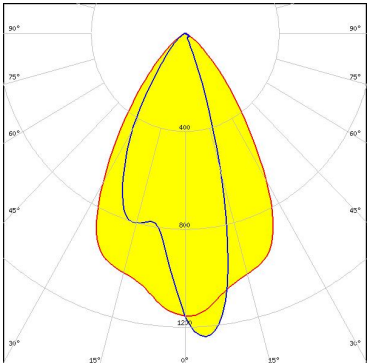
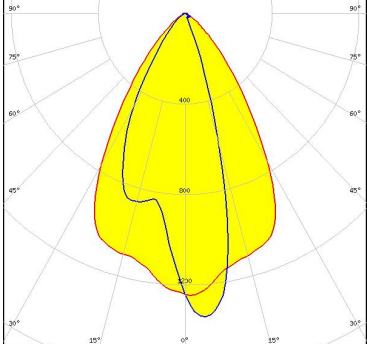
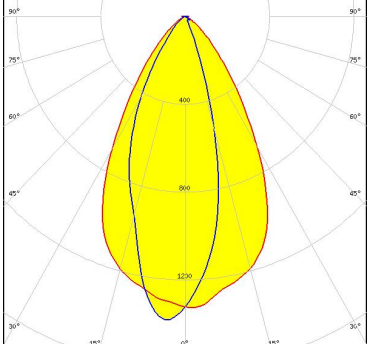
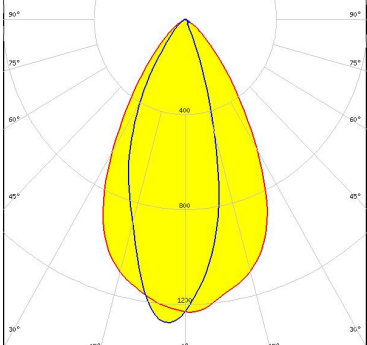
|   |   |
|---|---|
| <p><b>LUMILEDS</b></p> <p>LED LUXEON 3030 2D (Round LES)</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 90 %</p> <p>Peak intensity 1.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>Protective plate, glass</p> |    |
| <p><b>LUMILEDS</b></p> <p>LED LUXEON 5050 HE</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 95 %</p> <p>Peak intensity 1.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>  |   |
| <p><b>LUMILEDS</b></p> <p>LED LUXEON 5050 HE</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 87 %</p> <p>Peak intensity 1.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>Protective plate, glass</p>             |  |
| <p><b>LUMILEDS</b></p> <p>LED LUXEON 5050 Round LES</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 92 %</p> <p>Peak intensity 1.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>Protective plate, glass</p>      |  |



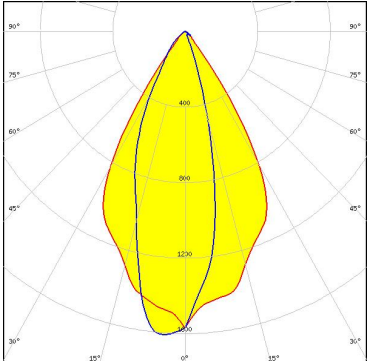
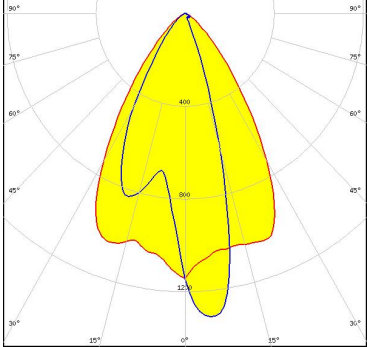
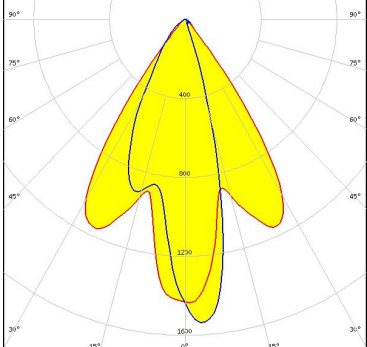
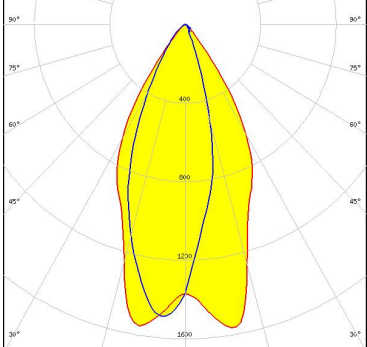
#### OPTICAL RESULTS (SIMULATED):

|   |  |
|---|--|
| <p><b>LUMILEDS</b></p> <p>LED LUXEON 5050 Square LES</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 92 %</p> <p>Peak intensity 1.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>Protective plate, glass</p> |  |
| <p><b>LUMILEDS</b></p> <p>LED LUXEON 5050 Square LES</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 95 %</p> <p>Peak intensity 1.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>                                |  |
| <p><b>LUMILEDS</b></p> <p>LED LUXEON 7070</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 93 %</p> <p>Peak intensity 1.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>   |  |
| <p><b>LUMILEDS</b></p> <p>LED LUXEON HL2X</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 88 %</p> <p>Peak intensity 1.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>Protective plate, glass</p>            |  |

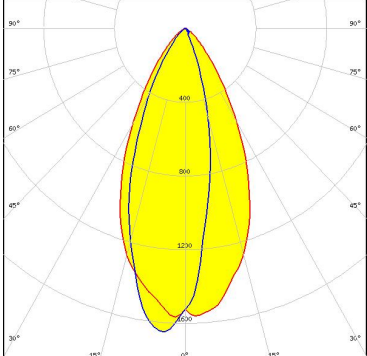
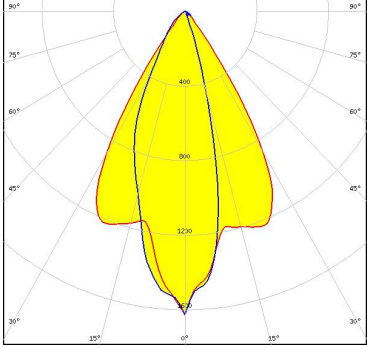
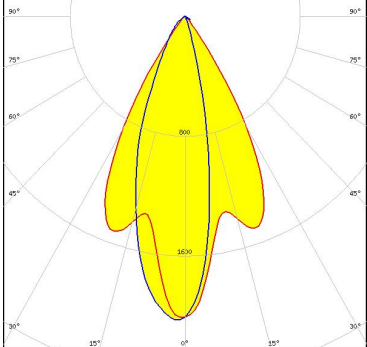
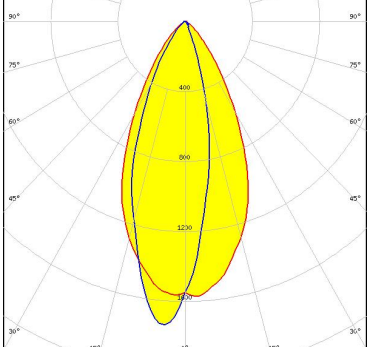
#### OPTICAL RESULTS (SIMULATED):

|  |   |
|--|---|
| <p><b>LUMILEDS</b></p> <p>LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 87 %</p> <p>Peak intensity 1.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>Protective plate, glass</p> |    |
| <p><b>LUMILEDS</b></p> <p>LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 94 %</p> <p>Peak intensity 1.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>                                |   |
| <p><b>LUMINUS</b></p> <p>LED SST-70X-WCS</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 95 %</p> <p>Peak intensity 1.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>   |  |
| <p><b>LUMINUS</b></p> <p>LED SST-70X-WCS</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 87 %</p> <p>Peak intensity 1.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>Protective plate, glass</p>                          |  |

#### OPTICAL RESULTS (SIMULATED):

|  |   |
|--|---|
| <p><b>NICHIA</b></p> <p>LED: NV4WB35AM<br/>           FWHM / FWTM: Asymmetric<br/>           Efficiency: 92 %<br/>           Peak intensity: 1.6 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p> <p>Protective plate, glass</p>                                       |    |
| <p><b>NICHIA</b></p> <p>LED: NVSW219D<br/>           FWHM / FWTM: Asymmetric<br/>           Efficiency: 89 %<br/>           Peak intensity: 1.3 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p> <p>Protective plate, glass</p>  |   |
| <p><b>NICHIA</b></p> <p>LED: NVSW219F<br/>           FWHM / FWTM: Asymmetric<br/>           Efficiency: 91 %<br/>           Peak intensity: 1.6 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p> <p>Protective plate, glass</p>  |  |
| <p><b>OSRAM</b><br/> <small>Opto Semiconductors</small></p> <p>LED: Duris S8<br/>           FWHM / FWTM: Asymmetric<br/>           Efficiency: 92 %<br/>           Peak intensity: 1.6 cd/lm<br/>           LEDs/each optic: 1<br/>           Light colour: White<br/>           Required components:</p> <p>Protective plate, glass</p> |  |

#### OPTICAL RESULTS (SIMULATED):

|   |   |
|---|---|
| <p><b>OSRAM</b><br/>Opto Semiconductors</p> <p>LED Duris S8</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 95 %</p> <p>Peak intensity 1.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>   |    |
| <p><b>OSRAM</b><br/>Opto Semiconductors</p> <p>LED OSCONIQ P 3737 (3W version)</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 91 %</p> <p>Peak intensity 1.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p style="background-color: #ADD8E6; padding: 2px; display: inline-block;">Protective plate, glass</p> |   |
| <p><b>OSRAM</b><br/>Opto Semiconductors</p> <p>LED OSCONIQ P 3737 Flat</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 97 %</p> <p>Peak intensity 2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>  |  |
| <p><b>OSRAM</b><br/>Opto Semiconductors</p> <p>LED OSCONIQ S 5050</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 95 %</p> <p>Peak intensity 1.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>   |  |

#### OPTICAL RESULTS (SIMULATED):

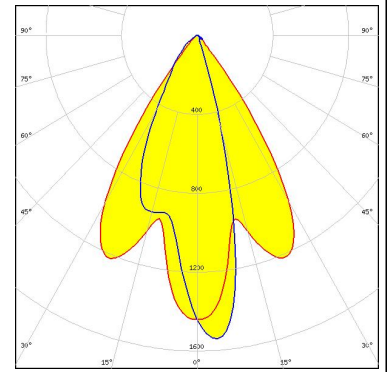
|  |  |
|--|--|
| <p><b>OSRAM</b><br/>Opto Semiconductors</p> <p>LED OSCONIQ S 5050</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 88 %</p> <p>Peak intensity 1.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>Protective plate, glass</p>             |  |
| <p><b>OSRAM</b><br/>Opto Semiconductors</p> <p>LED OSLON Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 96 %</p> <p>Peak intensity 2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>                                  |  |
| <p><b>OSRAM</b><br/>Opto Semiconductors</p> <p>LED OSLON Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 91 %</p> <p>Peak intensity 1.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>Protective plate, glass</p> |  |
| <p><b>OSRAM</b><br/>Opto Semiconductors</p> <p>LED OSLON Square Flat</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 97 %</p> <p>Peak intensity 2.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>   |  |

#### OPTICAL RESULTS (SIMULATED):

### SAMSUNG

LED LH351B  
 FWHM / FWTM Asymmetric  
 Efficiency 91 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

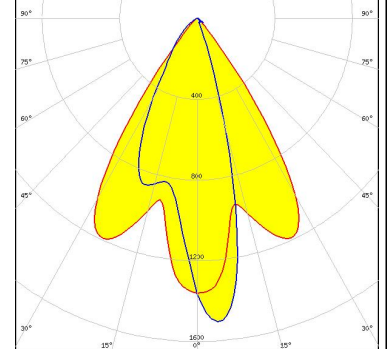
Protective plate, glass



### SAMSUNG

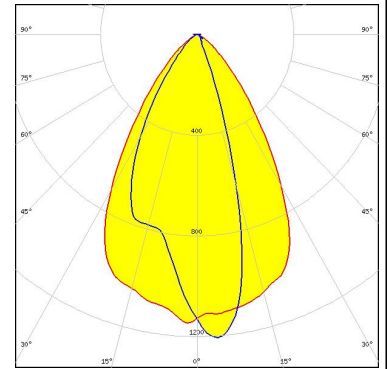
LED LH351C  
 FWHM / FWTM Asymmetric  
 Efficiency 92 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Protective plate, glass



### SAMSUNG

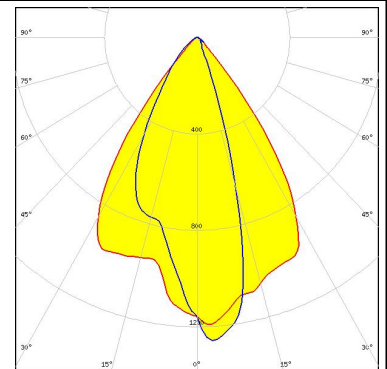
LED LH351D  
 FWHM / FWTM Asymmetric  
 Efficiency 93 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### SAMSUNG

LED LH351D  
 FWHM / FWTM Asymmetric  
 Efficiency 91 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Protective plate, glass

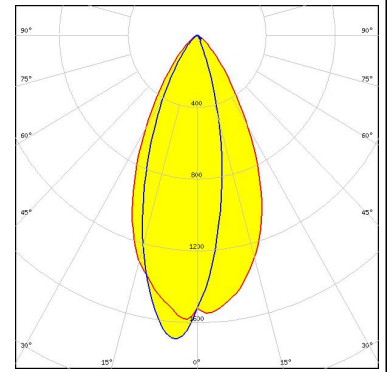




#### OPTICAL RESULTS (SIMULATED):

### SAMSUNG

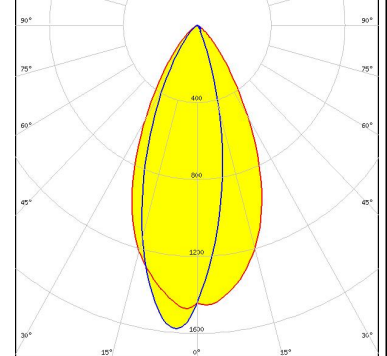
LED LH502C  
 FWHM / FWTM Asymmetric  
 Efficiency 95 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### SAMSUNG

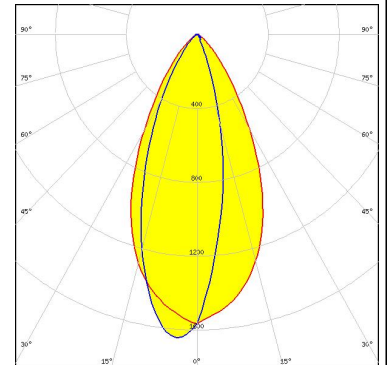
LED LH502C  
 FWHM / FWTM Asymmetric  
 Efficiency 88 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Protective plate, glass



SEOUL SEMICONDUCTOR

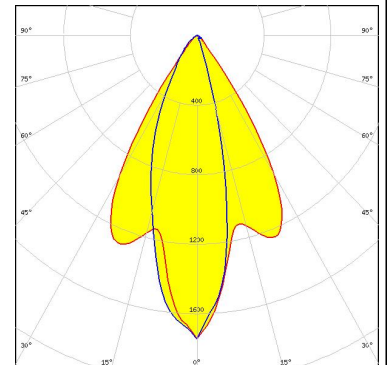
LED SEOUL DC 5050 6V  
 FWHM / FWTM Asymmetric  
 Efficiency 95 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



SEOUL SEMICONDUCTOR


LED Z5M3  
 FWHM / FWTM Asymmetric  
 Efficiency 91 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

Protective plate, glass





#### OPTICAL RESULTS (SIMULATED):

|  |  |
|--|--|
| <p> SEOL SEMICONDUCTOR</p> <p>LED: Z5M5<br/>FWHM / FWTM: Asymmetric<br/>Efficiency: 90 %<br/>Peak intensity: 1.6 cd/lm<br/>LEDs/each optic: 1<br/>Light colour: White<br/>Required components:</p> <p>Protective plate, glass</p> |   |
| <p> SEOL SEMICONDUCTOR</p> <p>LED: Z5M5<br/>FWHM / FWTM: Asymmetric<br/>Efficiency: 95 %<br/>Peak intensity: 1.7 cd/lm<br/>LEDs/each optic: 1<br/>Light colour: White<br/>Required components:</p>                                |  |