

## OLGA-O

~20° + 40° oval beam. Assembly with holder and installation tape.



### TECHNICAL SPECIFICATIONS:

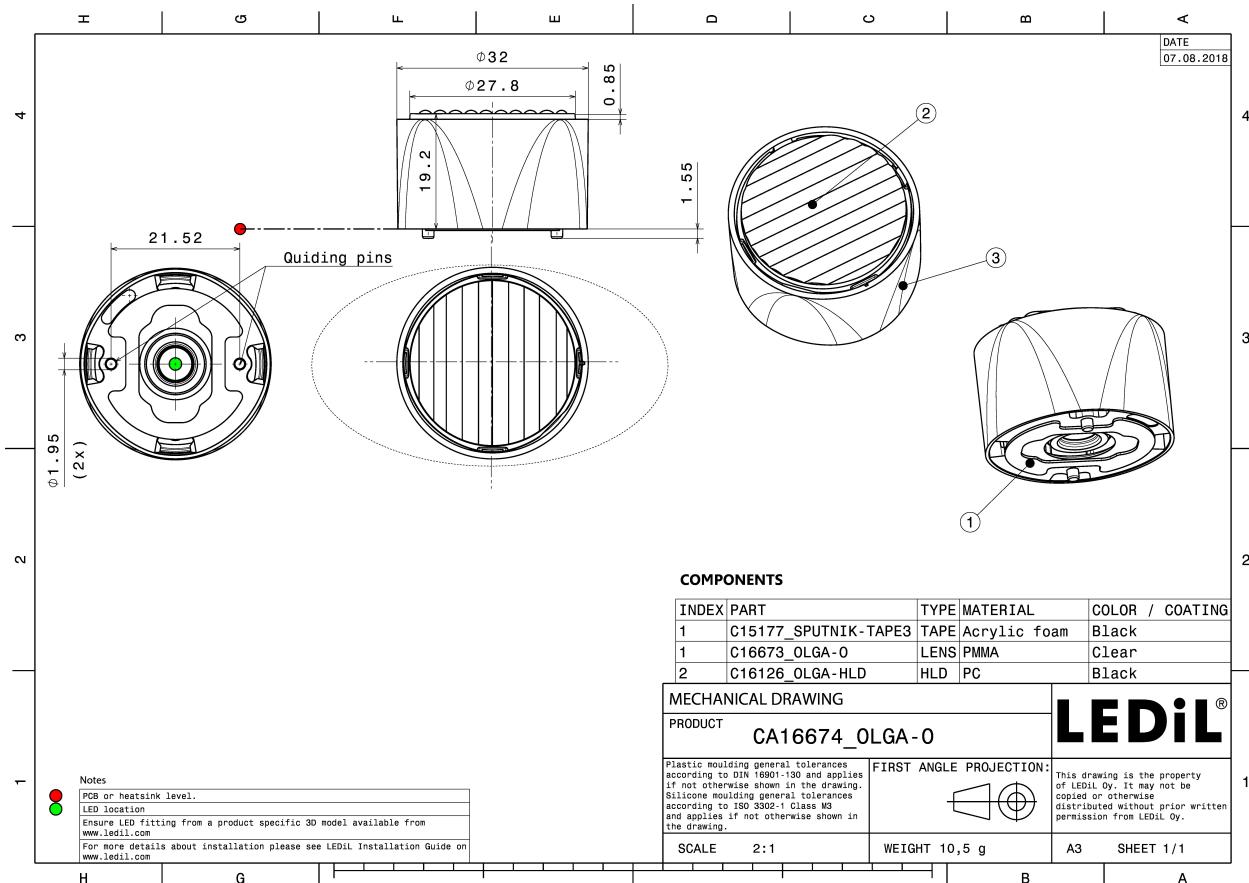
|                |                                                                                       |
|----------------|---------------------------------------------------------------------------------------|
| Dimensions     | Ø 32.0 mm                                                                             |
| Height         | 19.1 mm                                                                               |
| Fastening      | tape, pin                                                                             |
| ROHS compliant | yes  |

### MATERIAL SPECIFICATIONS:

| Component     | Type        | Material     | Colour | Finish |
|---------------|-------------|--------------|--------|--------|
| OLGA-O        | Single lens | PMMA         | clear  |        |
| OLGA-HLD      | Holder      | PC           | black  |        |
| SPUTNIK-TAPE3 | Tape        | Acrylic foam | black  |        |

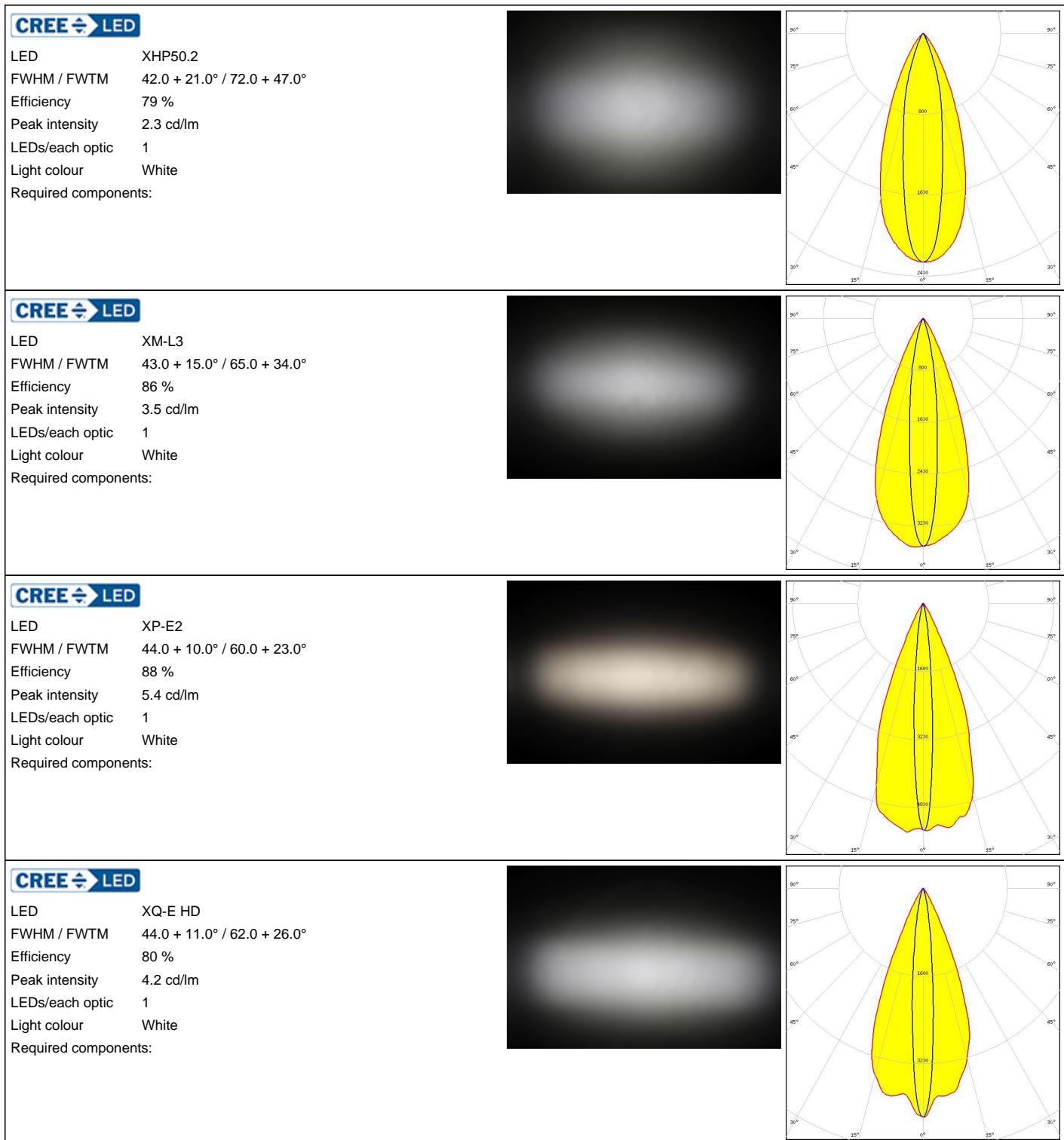
### ORDERING INFORMATION:

| Component                                        | Qty in box  | MOQ | MPQ | Box weight (kg) |     |
|--------------------------------------------------|-------------|-----|-----|-----------------|-----|
| CA16674_OLGA-O<br>» Box size: 476 x 273 x 292 mm | Single lens | 792 | 132 | 66              | 9.8 |



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

## PHOTOMETRIC DATA (MEASURED):



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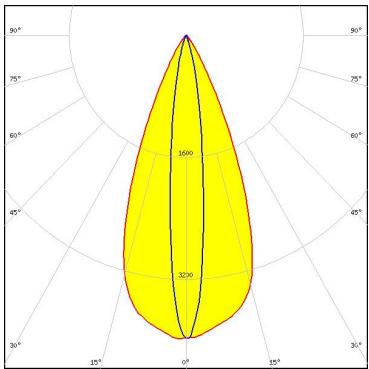
|                                                                                                                                                                                                                |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| <p><b>CREE → LED</b></p> <p>LED XQ-E HI<br/>FWHM / FWTM 44.0 + 10.0° / 60.0 + 25.0°<br/>Efficiency 85 %<br/>Peak intensity 4.7 cd/lm<br/>LEDs/each optic 1<br/>Light colour White<br/>Required components:</p> |  |  |
| <p><b>CREE → LED</b></p> <p>LED XT-E<br/>FWHM / FWTM 44.0 + 13.0° / 65.0 + 30.0°<br/>Efficiency 84 %<br/>Peak intensity 3.8 cd/lm<br/>LEDs/each optic 1<br/>Light colour White<br/>Required components:</p>    |  |  |
| <p><b>LUMILEDS</b></p> <p>LED LUXEON MZ<br/>FWHM / FWTM 43.0 + 18.0° / 67.0 + 39.0°<br/>Efficiency 86 %<br/>Peak intensity 3 cd/lm<br/>LEDs/each optic 1<br/>Light colour White<br/>Required components:</p>   |  |  |
| <p><b>NICHIA</b></p> <p>LED NCSxE17A<br/>FWHM / FWTM 43.0 + 14.0° / 65.0 + 34.0°<br/>Efficiency 84 %<br/>Peak intensity 3.5 cd/lm<br/>LEDs/each optic 1<br/>Light colour White<br/>Required components:</p>    |  |  |

## PHOTOMETRIC DATA (MEASURED):



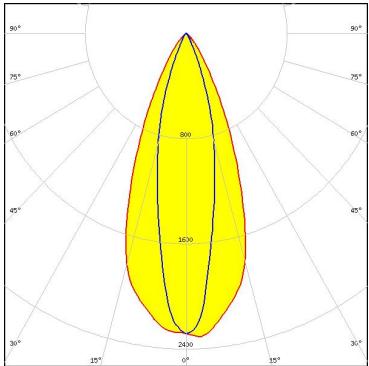
|                 |                             |
|-----------------|-----------------------------|
| LED             | NVSW319B                    |
| FWHM / FWTM     | 44.0 + 13.0° / 64.0 + 30.0° |
| Efficiency      | 88 %                        |
| Peak intensity  | 4 cd/lm                     |
| LEDs/each optic | 1                           |
| Light colour    | White                       |

Required components:



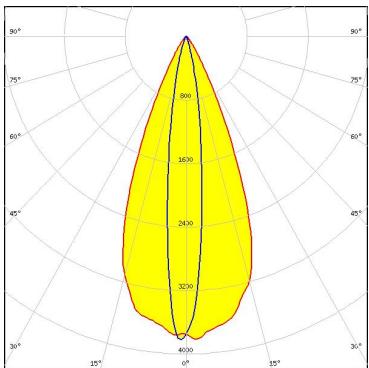
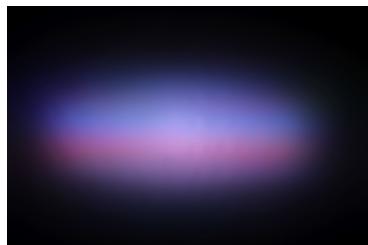
|                 |                             |
|-----------------|-----------------------------|
| LED             | Duris S8                    |
| FWHM / FWTM     | 43.0 + 23.0° / 72.0 + 49.0° |
| Efficiency      | 85 %                        |
| Peak intensity  | 2.3 cd/lm                   |
| LEDs/each optic | 1                           |
| Light colour    | White                       |

Required components:



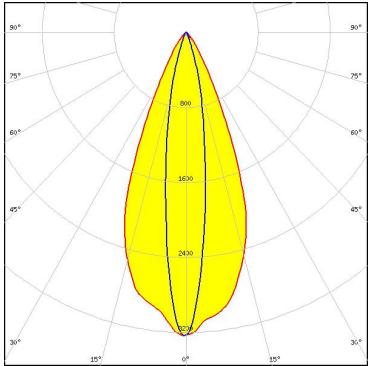
|                 |                             |
|-----------------|-----------------------------|
| LED             | OSTAR Stage (S2WN)          |
| FWHM / FWTM     | 44.0 + 14.0° / 64.0 + 30.0° |
| Efficiency      | 87 %                        |
| Peak intensity  | 3.9 cd/lm                   |
| LEDs/each optic | 1                           |
| Light colour    | RGBW                        |

Required components:



|                 |                             |
|-----------------|-----------------------------|
| LED             | LH231B                      |
| FWHM / FWTM     | 44.0 + 16.0° / 67.0 + 37.0° |
| Efficiency      | 86 %                        |
| Peak intensity  | 3.2 cd/lm                   |
| LEDs/each optic | 1                           |
| Light colour    | White                       |

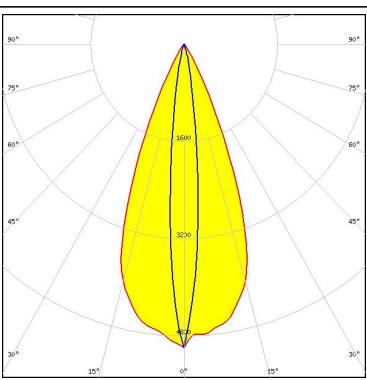
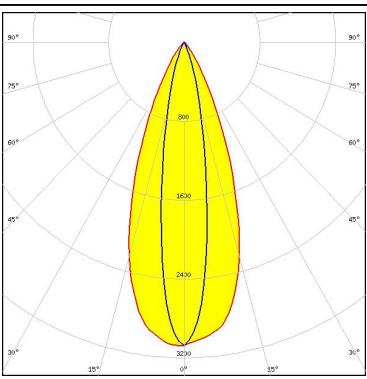
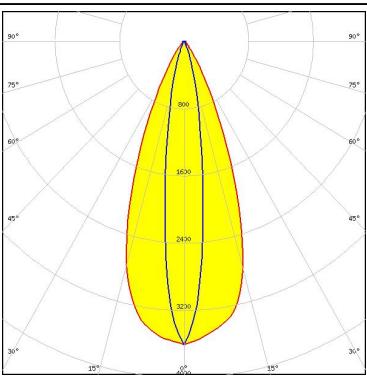
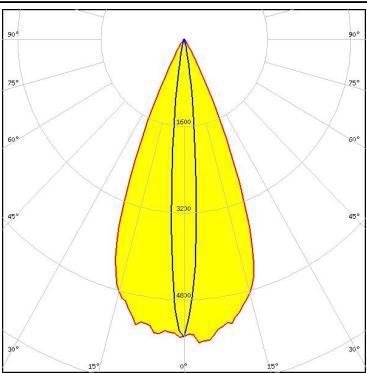
Required components:



## PHOTOMETRIC DATA (MEASURED):



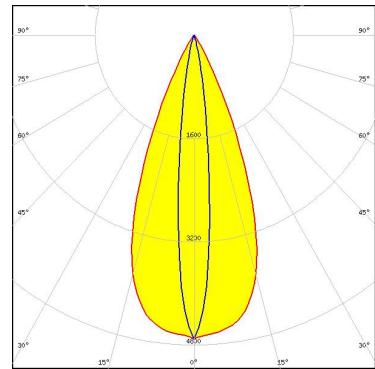
## PHOTOMETRIC DATA (SIMULATED):

|                                                                                                                                                                                                                   |                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <p><b>CREE → LED</b></p> <p>LED XHP35 HI<br/>FWHM / FWTM 11.0 + 42.0°<br/>Efficiency 90 %<br/>Peak intensity 5 cd/lm<br/>LEDs/each optic 1<br/>Light colour White<br/>Required components:</p>                    |    |
| <p><b>CREE → LED</b></p> <p>LED XHP50.3 HD<br/>FWHM / FWTM 40.0 + 18.0° / 67.0 + 38.0°<br/>Efficiency 87 %<br/>Peak intensity 3.1 cd/lm<br/>LEDs/each optic 1<br/>Light colour White<br/>Required components:</p> |   |
| <p><b>CREE → LED</b></p> <p>LED XHP50.3 HI<br/>FWHM / FWTM 42.0 + 14.0° / 65.0 + 34.0°<br/>Efficiency 95 %<br/>Peak intensity 3.6 cd/lm<br/>LEDs/each optic 1<br/>Light colour White<br/>Required components:</p> |  |
| <p><b>CREE → LED</b></p> <p>LED XP-G2<br/>FWHM / FWTM 9.5 + 42.0°<br/>Efficiency 90 %<br/>Peak intensity 5.5 cd/lm<br/>LEDs/each optic 1<br/>Light colour White<br/>Required components:</p>                      |  |

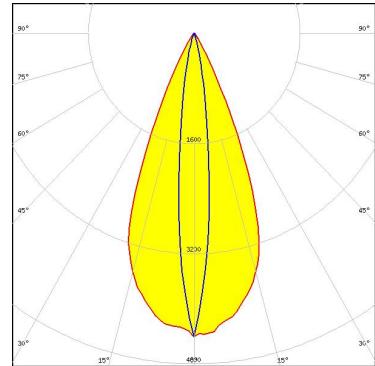
## PHOTOMETRIC DATA (SIMULATED):



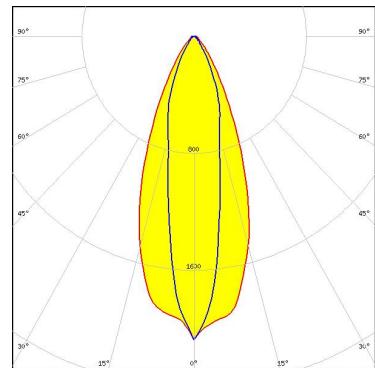
|                      |                             |
|----------------------|-----------------------------|
| LED                  | XP-G2 HE                    |
| FWHM / FWTM          | 42.0 + 12.0° / 60.0 + 26.0° |
| Efficiency           | 91 %                        |
| Peak intensity       | 4.7 cd/lm                   |
| LEDs/each optic      | 1                           |
| Light colour         | White                       |
| Required components: |                             |



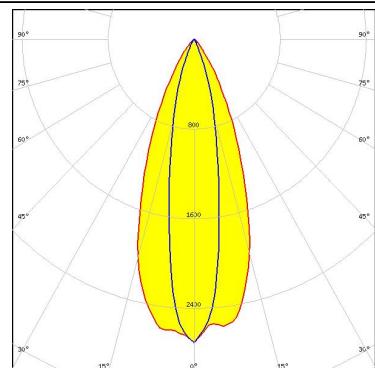
|                      |              |
|----------------------|--------------|
| LED                  | XP-L HI      |
| FWHM / FWTM          | 12.0 + 42.0° |
| Efficiency           | 88 %         |
| Peak intensity       | 4.2 cd/lm    |
| LEDs/each optic      | 1            |
| Light colour         | White        |
| Required components: |              |



|                      |                             |
|----------------------|-----------------------------|
| LED                  | LUXEON 7070                 |
| FWHM / FWTM          | 42.0 + 20.0° / 76.0 + 60.0° |
| Efficiency           | 92 %                        |
| Peak intensity       | 2.1 cd/lm                   |
| LEDs/each optic      | 1                           |
| Light colour         | White                       |
| Required components: |                             |



|                      |              |
|----------------------|--------------|
| LED                  | LUXEON M/MX  |
| FWHM / FWTM          | 20.0 + 40.0° |
| Efficiency           | 86 %         |
| Peak intensity       | 2.6 cd/lm    |
| LEDs/each optic      | 1            |
| Light colour         | White        |
| Required components: |              |

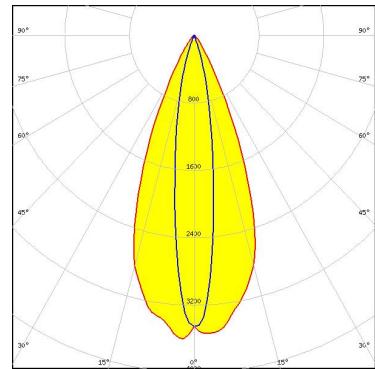


## PHOTOMETRIC DATA (SIMULATED):



|                 |                             |
|-----------------|-----------------------------|
| LED             | NV4WB35AM                   |
| FWHM / FWTM     | 42.0 + 16.0° / 64.0 + 36.0° |
| Efficiency      | 90 %                        |
| Peak intensity  | 3.6 cd/lm                   |
| LEDs/each optic | 1                           |
| Light colour    | White                       |

Required components:

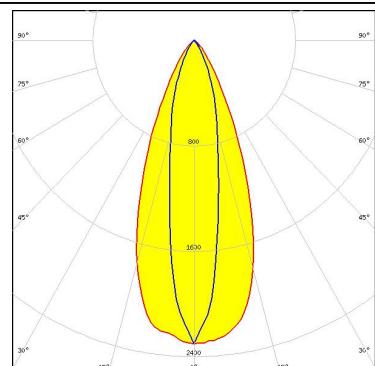


### OSRAM

Opto Semiconductors

|                 |                             |
|-----------------|-----------------------------|
| LED             | Duris S10                   |
| FWHM / FWTM     | 42.0 + 20.0° / 72.0 + 54.0° |
| Efficiency      | 86 %                        |
| Peak intensity  | 2.3 cd/lm                   |
| LEDs/each optic | 1                           |
| Light colour    | White                       |

Required components:

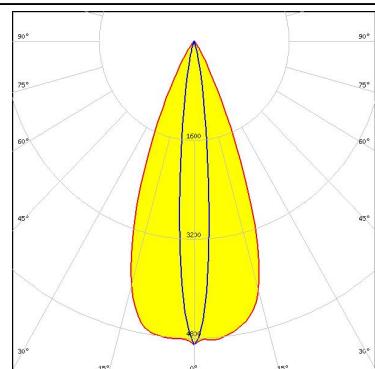


### OSRAM

Opto Semiconductors

|                 |                             |
|-----------------|-----------------------------|
| LED             | OSLON Square CSSRM2/CSSRM3  |
| FWHM / FWTM     | 42.0 + 12.0° / 61.0 + 24.0° |
| Efficiency      | 90 %                        |
| Peak intensity  | 4.9 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:

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