

## CORAL-IP-OW

115 + 6° oval beam

### SPECIFICATION:

Dimensions	74.5 x 44.5
Height	32 mm
Fastening	pin, screw
Ingress protection classes	IP66,IP67
ROHS compliant	yes ⓘ

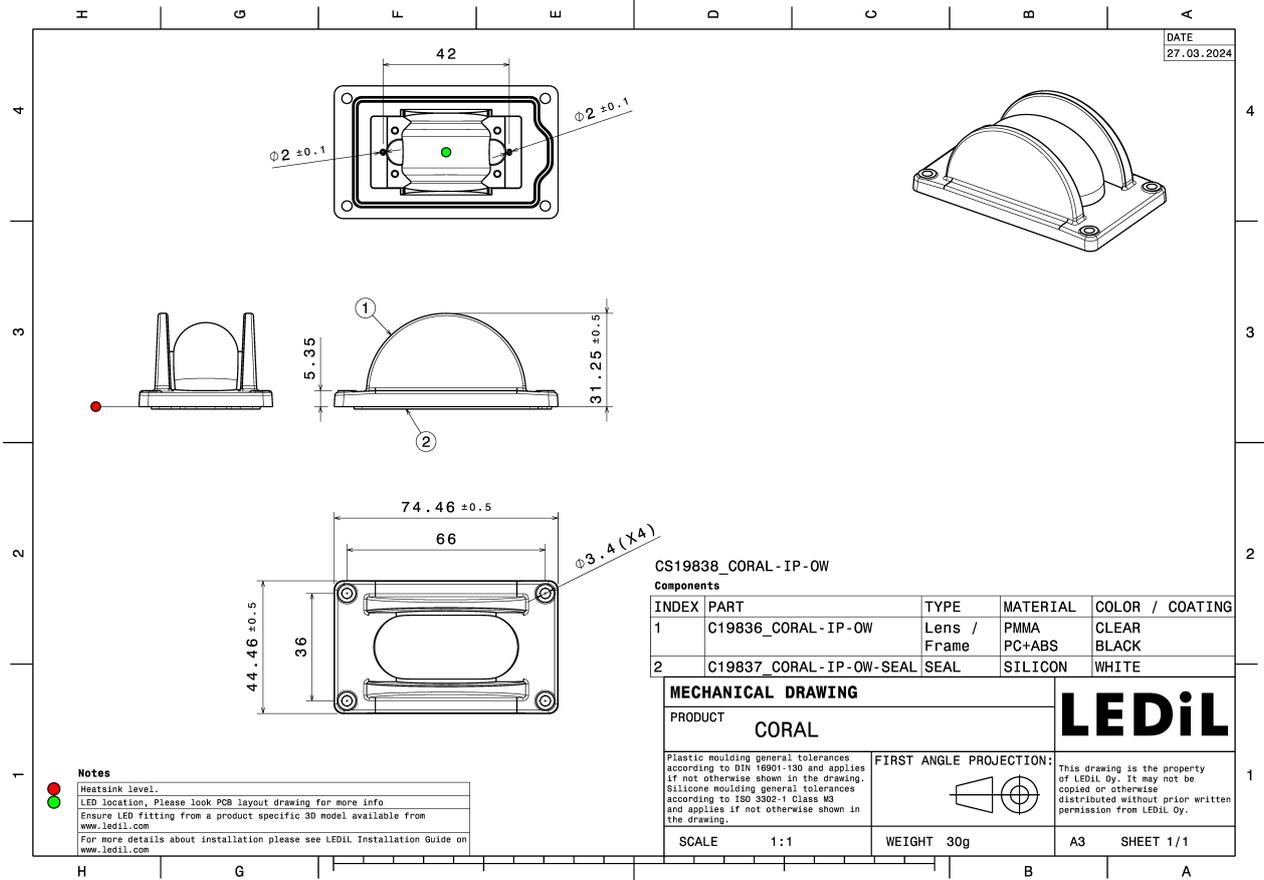
### MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
CORAL-IP-OW-SEAL	Seal	Silicone	white		
CORAL-IP-OW	Single lens	PC-ABS			

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CS19838_CORAL-IP-OW » Box size: 480 x 280 x 260 mm	180	180	180	6.4



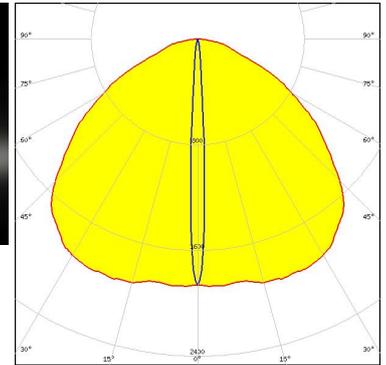
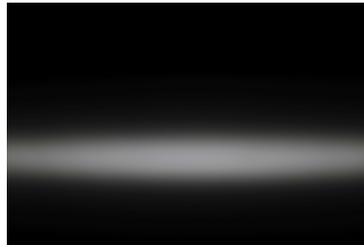


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):

#### CEZOS

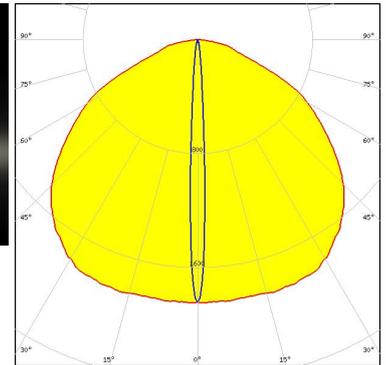
LED L0-048023-940-C1000-K430-2  
 FWHM / FWTM 113.0 + 6.0° / 157.0 + 14.0°  
 Efficiency 53 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 2  
 Light colour/type White  
 Required components:



Light distribution files

#### CEZOS

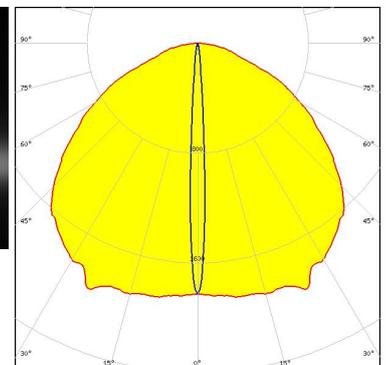
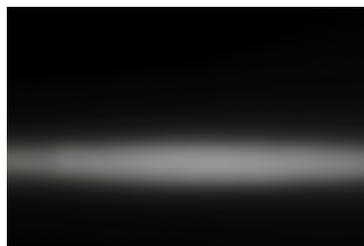
LED L0-048023-940-C1000-K430-4  
 FWHM / FWTM 116.0 + 6.0° / 158.0 + 15.0°  
 Efficiency 53 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 4  
 Light colour/type White  
 Required components:



Light distribution files

#### CEZOS

LED L0-048023-940-C1000-K434-1  
 FWHM / FWTM 113.0 + 7.0° / 155.0 + 14.0°  
 Efficiency 52 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

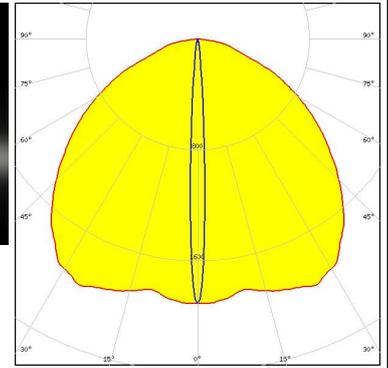


Light distribution files

#### OPTICAL RESULTS (MEASURED):

**CEZOS**

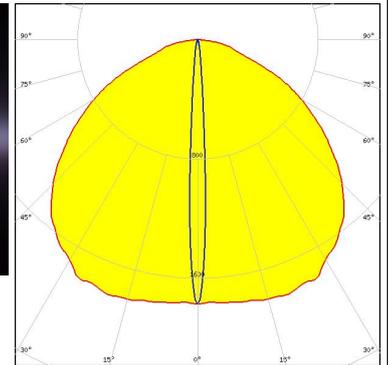
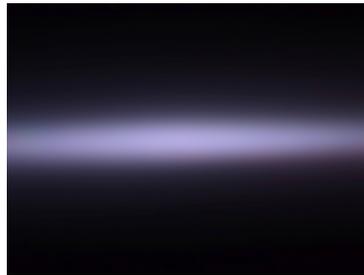
LED L0-048023-940-C1000-K434-3  
 FWHM / FWTM 105.0 + 7.0° / 154.0 + 14.0°  
 Efficiency 52 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 3  
 Light colour/type White  
 Required components:



Light distribution files

**CEZOS**

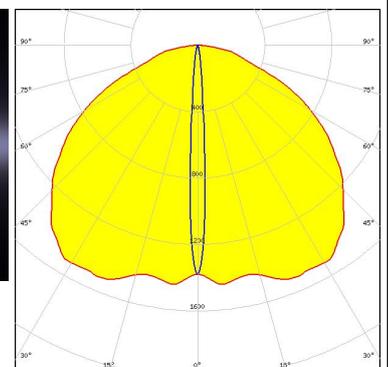
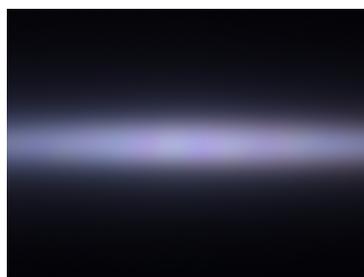
LED L0-048023-RGBW-C1000-K430  
 FWHM / FWTM 114.0 + 7.0° / 158.0 + 14.0°  
 Efficiency 52 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 4  
 Light colour/type RGBW  
 Required components:



Light distribution files

**CREE**  
LEDs

LED XE-G  
 FWHM / FWTM 118.0 + 8.0° / 161.0 + 17.0°  
 Efficiency 49 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 4  
 Light colour/type RGBW  
 Required components:

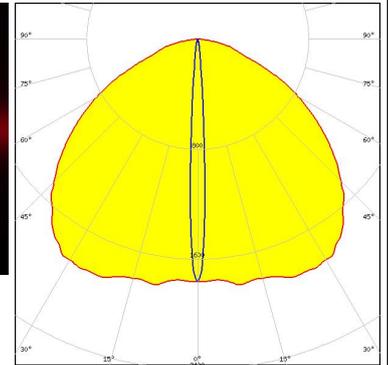
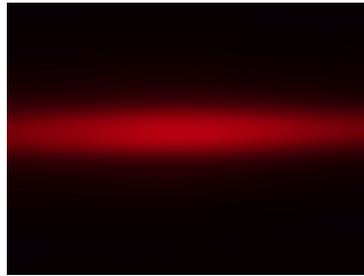


Light distribution files

#### OPTICAL RESULTS (MEASURED):



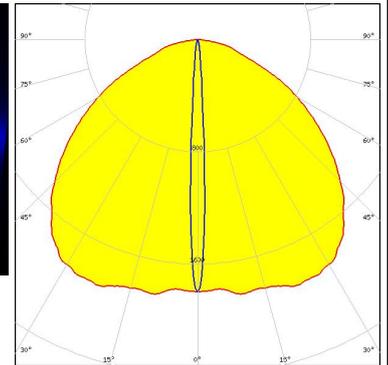
LED LUXEON CZ  
 FWHM / FWTM 113.0 + 7.0° / 156.0 + 14.0°  
 Efficiency 52 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 4  
 Light colour/type Red  
 Required components:



Light distribution files



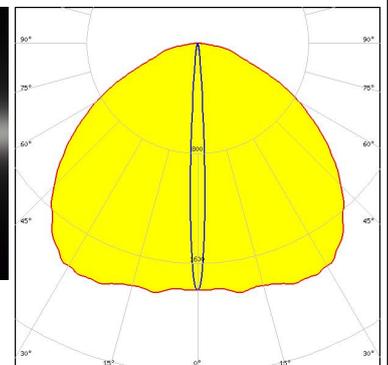
LED LUXEON CZ  
 FWHM / FWTM 112.0 + 7.0° / 157.0 + 14.0°  
 Efficiency 52 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 4  
 Light colour/type Royal Blue  
 Required components:



Light distribution files



LED LUXEON CZ  
 FWHM / FWTM 113.0 + 7.0° / 158.0 + 14.0°  
 Efficiency 53 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 4  
 Light colour/type White  
 Required components:

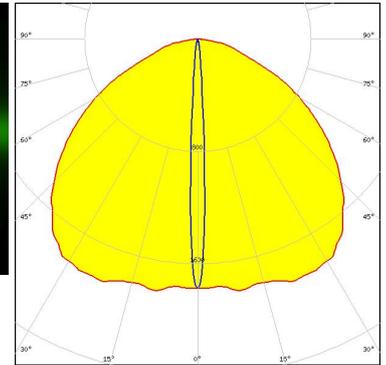
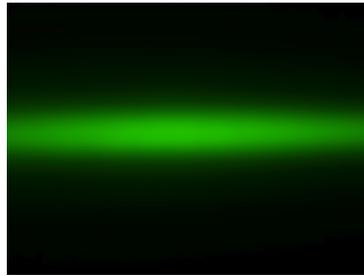


Light distribution files

#### OPTICAL RESULTS (MEASURED):



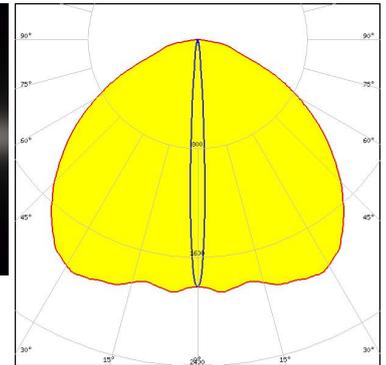
LED LUXEON CZ  
 FWHM / FWTM 113.0 + 7.0° / 158.0 + 14.0°  
 Efficiency 52 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 4  
 Light colour/type Green  
 Required components:



Light distribution files



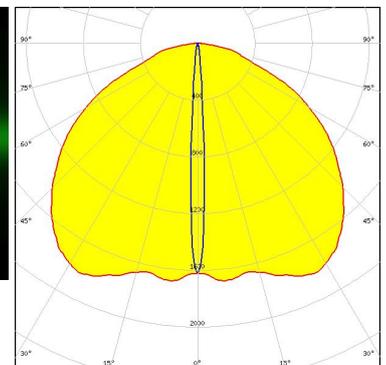
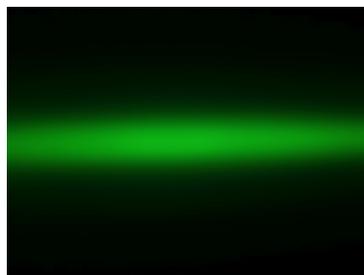
LED LUXEON Rubix  
 FWHM / FWTM 112.0 + 7.0° / 156.0 + 14.0°  
 Efficiency 53 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 4  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON Rubix  
 FWHM / FWTM 116.0 + 7.0° / 160.0 + 15.0°  
 Efficiency 51 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 4  
 Light colour/type Green  
 Required components:

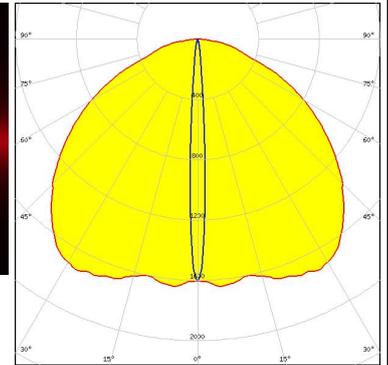
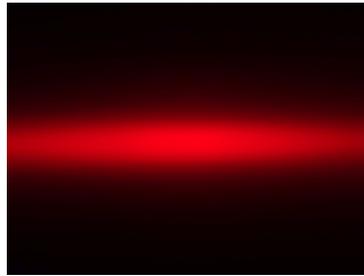


Light distribution files

#### OPTICAL RESULTS (MEASURED):



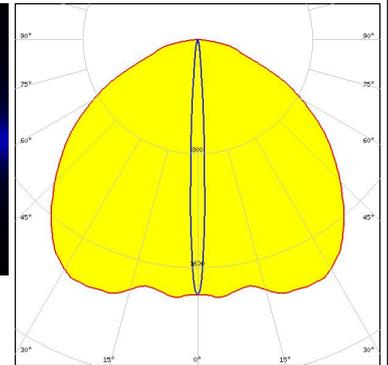
**LED** LUXEON Rubix  
**FWHM / FWTM** 115.0 + 7.0° / 160.0 + 15.0°  
**Efficiency** 50 %  
**Peak intensity** 1.8 cd/lm  
**LEDs/each optic** 4  
**Light colour/type** Red  
**Required components:**



Light distribution files



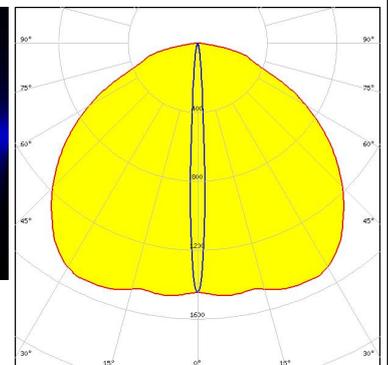
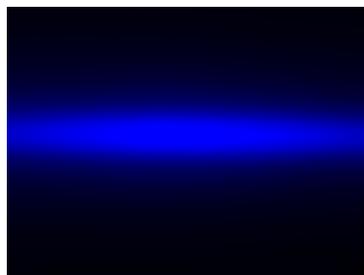
**LED** LUXEON Rubix  
**FWHM / FWTM** 112.0 + 6.0° / 158.0 + 14.0°  
**Efficiency** 51 %  
**Peak intensity** 2 cd/lm  
**LEDs/each optic** 4  
**Light colour/type** Royal Blue  
**Required components:**



Light distribution files



**LED** NCSxE17A  
**FWHM / FWTM** 114.0 + 7.0° / 159.0 + 15.0°  
**Efficiency** 47 %  
**Peak intensity** 1.6 cd/lm  
**LEDs/each optic** 4  
**Light colour/type** Royal Blue  
**Required components:**

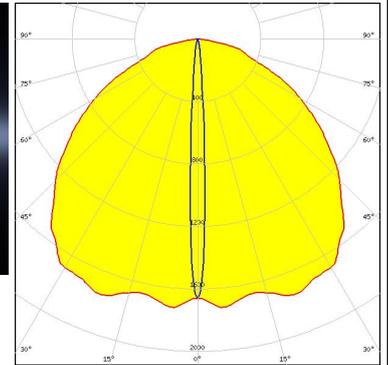
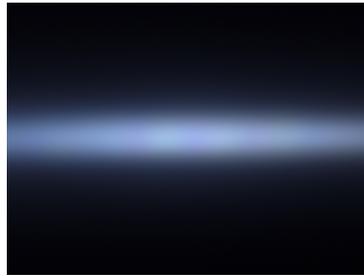


Light distribution files

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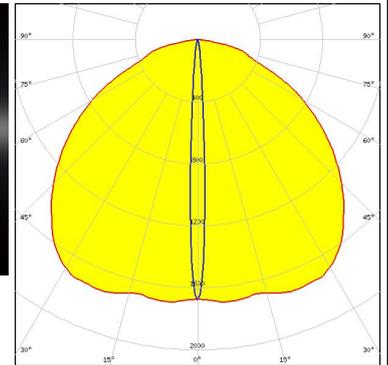
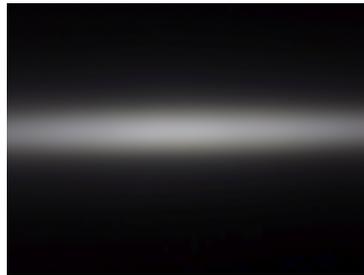
**LED** NCSxE17A  
**FWHM / FWTM** 111.0 + 7.0° / 158.0 + 15.0°  
**Efficiency** 50 %  
**Peak intensity** 1.8 cd/lm  
**LEDs/each optic** 4  
**Light colour/type** RGBW  
**Required components:**



Light distribution files



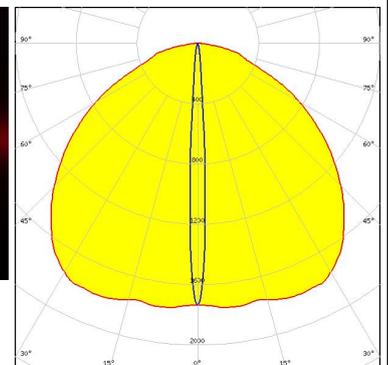
**LED** NCSxE17A  
**FWHM / FWTM** 113.0 + 6.0° / 158.0 + 14.0°  
**Efficiency** 50 %  
**Peak intensity** 1.8 cd/lm  
**LEDs/each optic** 4  
**Light colour/type** White  
**Required components:**



Light distribution files

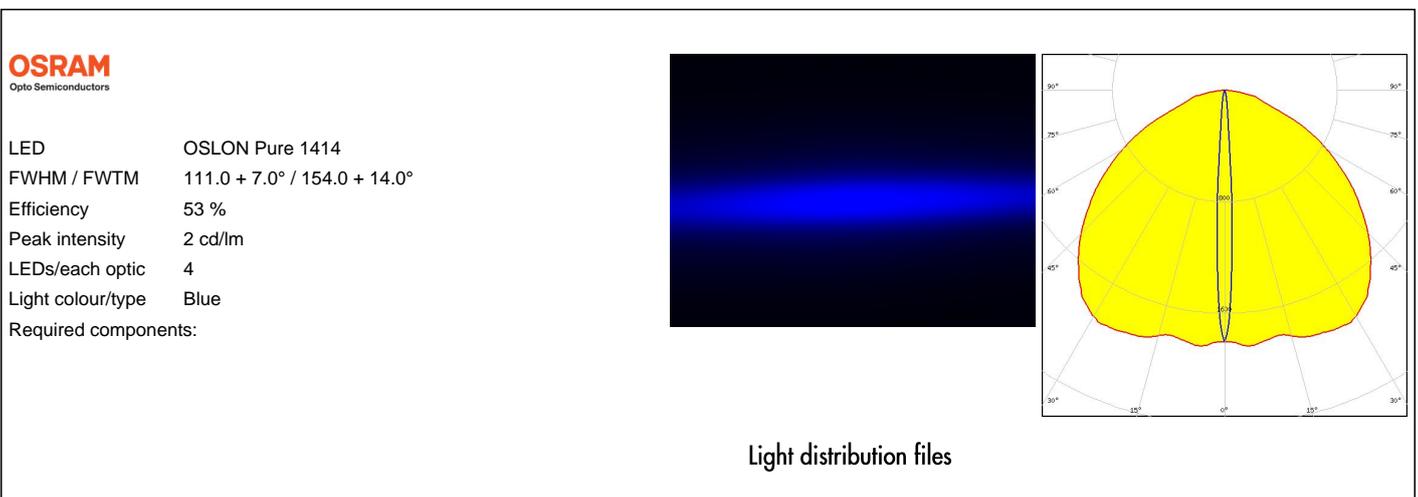
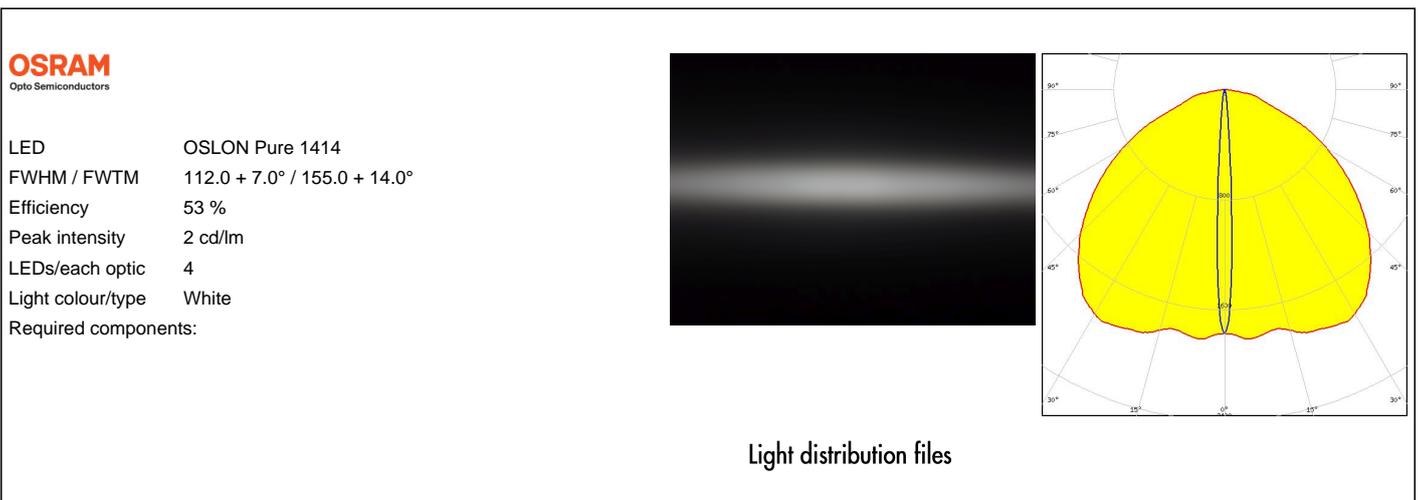
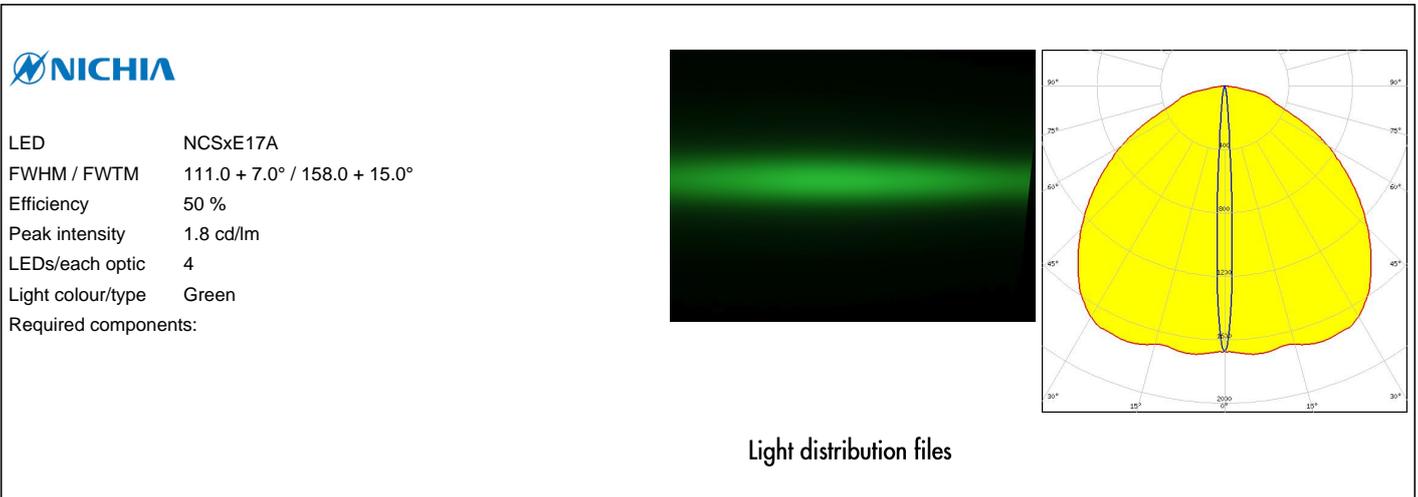


**LED** NCSxE17A  
**FWHM / FWTM** 111.0 + 7.0° / 158.0 + 14.0°  
**Efficiency** 51 %  
**Peak intensity** 1.9 cd/lm  
**LEDs/each optic** 4  
**Light colour/type** Red  
**Required components:**



Light distribution files

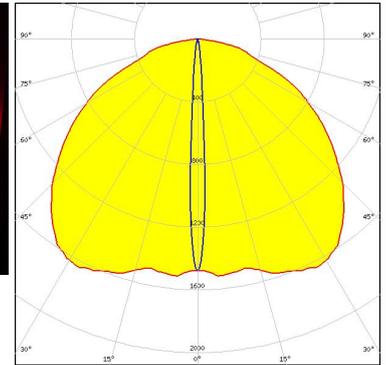
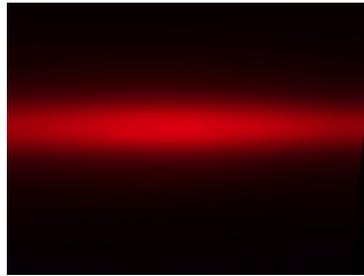
#### OPTICAL RESULTS (MEASURED):



#### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

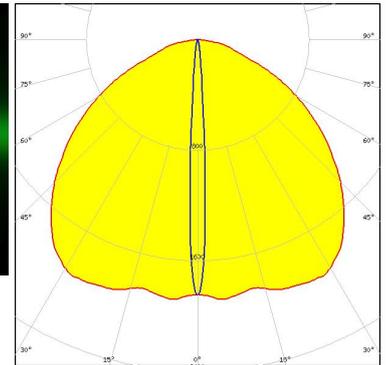
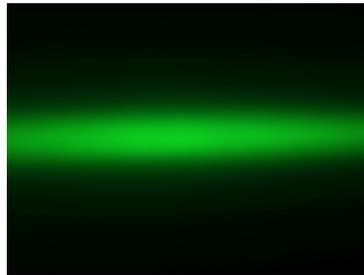
LED OSLON Pure 1414  
 FWHM / FWTM 116.0 + 7.0° / 161.0 + 16.0°  
 Efficiency 49 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 4  
 Light colour/type Red  
 Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

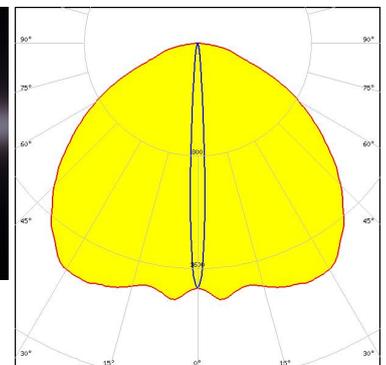
LED OSLON Pure 1414  
 FWHM / FWTM 111.0 + 7.0° / 154.0 + 14.0°  
 Efficiency 54 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 4  
 Light colour/type True Green  
 Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLON Pure 1414  
 FWHM / FWTM 112.0 + 7.0° / 156.0 + 15.0°  
 Efficiency 52 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 4  
 Light colour/type RGBW  
 Required components:

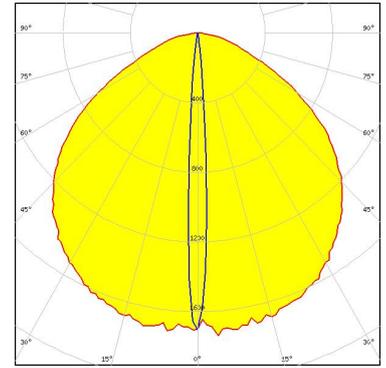


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



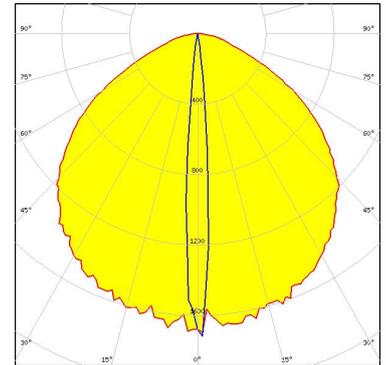
LED CSP 2727 (BXCP)  
 FWHM / FWTM 111.0 + 8.0° / 154.0 + 14.0°  
 Efficiency 53 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 6  
 Light colour/type White  
 Required components:



Light distribution files



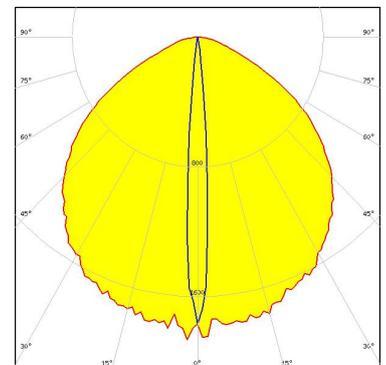
LED SMD 3838 RGBW 3V  
 FWHM / FWTM 110.0 + 8.0° / 150.0 + 16.0°  
 Efficiency 56 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 4  
 Light colour/type RGBW  
 Required components:



Light distribution files



LED CLR6A-TKW  
 FWHM / FWTM 106.0 + 8.0° / 146.0 + 16.0°  
 Efficiency 56 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 4  
 Light colour/type RGBW  
 Required components:

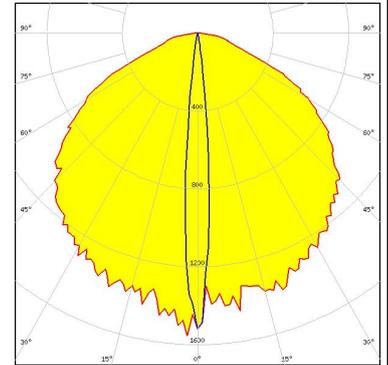


Light distribution files

### OPTICAL RESULTS (SIMULATED):



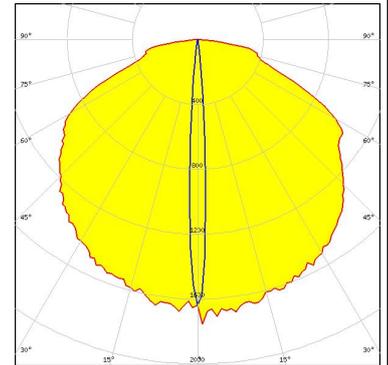
LED J Series 5050B 6V K Class  
FWHM / FWTM 113.0 + 10.0° / 154.0 + 18.0°  
Efficiency 53 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



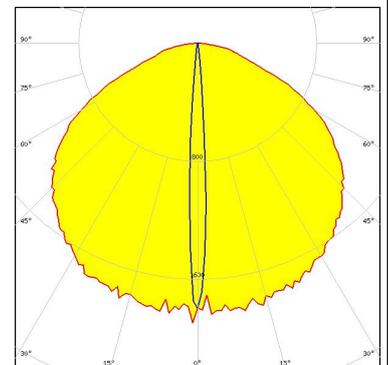
LED XB-D  
FWHM / FWTM 122.0 + 6.0° / 164.0 + 14.0°  
Efficiency 48 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 4  
Light colour/type RGBW  
Required components:



Light distribution files



LED XE-G  
FWHM / FWTM 118.0 + 6.0° / 160.0 + 14.0°  
Efficiency 53 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 6  
Light colour/type Red  
Required components:

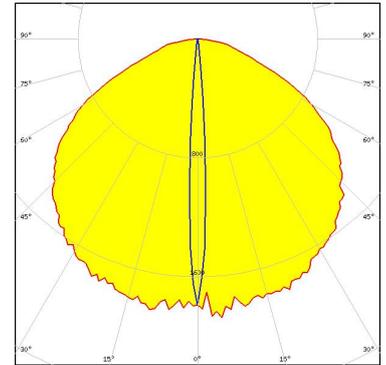


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



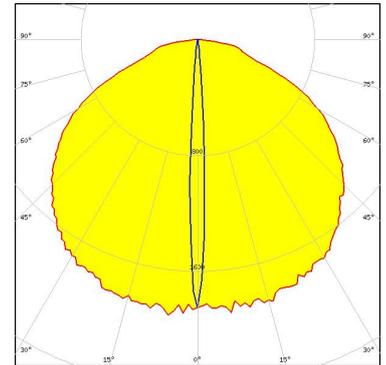
LED XE-G  
FWHM / FWTM 117.0 + 6.0° / 159.0 + 14.0°  
Efficiency 53 %  
Peak intensity 2 cd/lm  
LEDs/each optic 7  
Light colour/type Red  
Required components:



Light distribution files



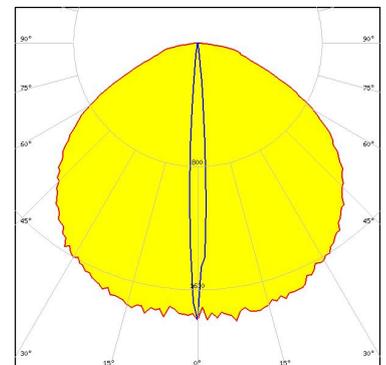
LED XE-G  
FWHM / FWTM 120.0 + 6.0° / 164.0 + 13.0°  
Efficiency 52 %  
Peak intensity 2.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XE-G  
FWHM / FWTM 116.0 + 6.0° / 161.0 + 14.0°  
Efficiency 52 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 5  
Light colour/type White  
Required components:

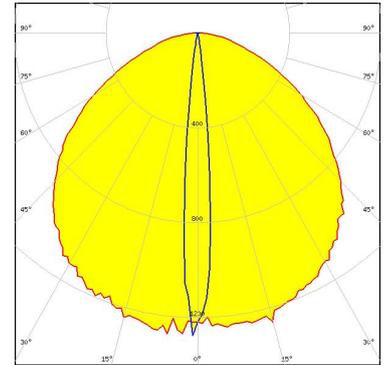


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



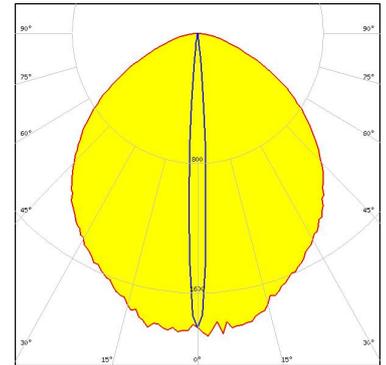
LED XE-G  
FWHM / FWTM 111.0 + 10.0° / 158.0 + 18.0°  
Efficiency 54 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 30  
Light colour/type White  
Required components:



Light distribution files



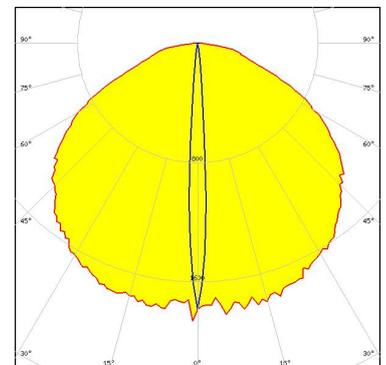
LED XE-G  
FWHM / FWTM 102.0 + 6.0° / 150.0 + 14.0°  
Efficiency 55 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 15  
Light colour/type Red  
Required components:



Light distribution files



LED XE-G  
FWHM / FWTM 118.0 + 6.0° / 162.0 + 13.0°  
Efficiency 52 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 6  
Light colour/type White  
Required components:

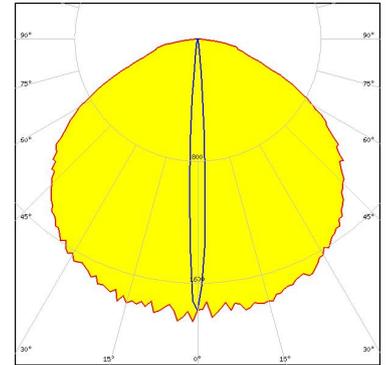


Light distribution files

### OPTICAL RESULTS (SIMULATED):



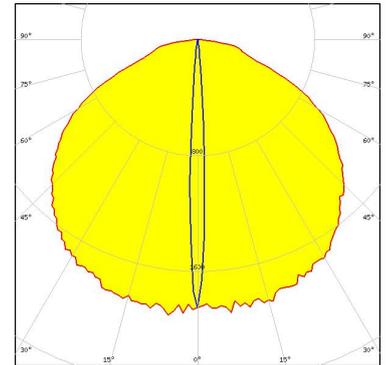
LED XE-G  
FWHM / FWTM 117.0 + 6.0° / 162.0 + 14.0°  
Efficiency 52 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 7  
Light colour/type White  
Required components:



Light distribution files



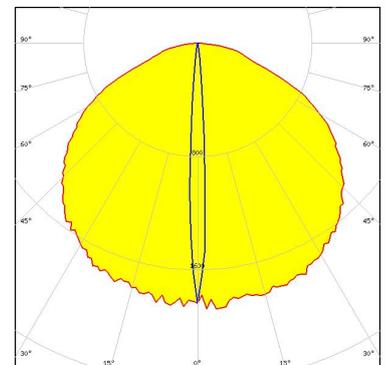
LED XE-G  
FWHM / FWTM 120.0 + 6.0° / 162.0 + 12.0°  
Efficiency 51 %  
Peak intensity 2 cd/lm  
LEDs/each optic 4  
Light colour/type White  
Required components:



Light distribution files



LED XE-G  
FWHM / FWTM 119.0 + 6.0° / 161.0 + 14.0°  
Efficiency 52 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 4  
Light colour/type RGBW  
Required components:

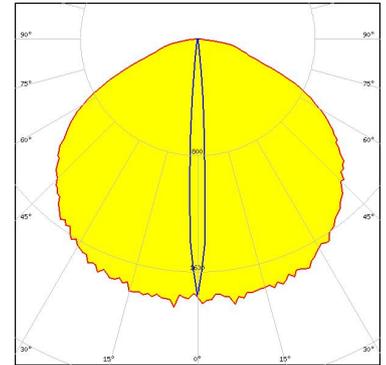


Light distribution files

### OPTICAL RESULTS (SIMULATED):



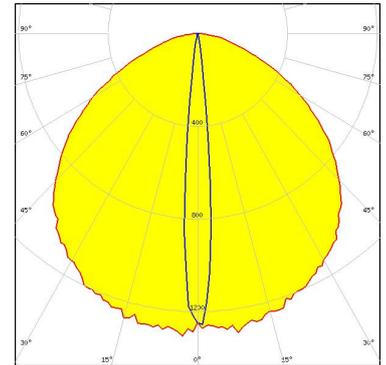
LED XE-G  
FWHM / FWTM 121.0 + 6.0° / 160.0 + 14.0°  
Efficiency 52 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 3  
Light colour/type Red  
Required components:



Light distribution files



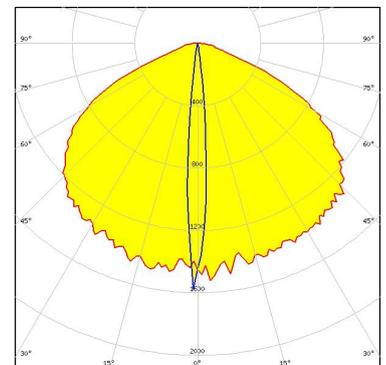
LED XE-G  
FWHM / FWTM 110.0 + 10.0° / 156.0 + 18.0°  
Efficiency 55 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 30  
Light colour/type Red  
Required components:



Light distribution files



LED XM-L RGBW (XMLDCL HD)  
FWHM / FWTM 123.0 + 9.0° / 145.0 + 16.0°  
Efficiency 54 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour/type RGBW  
Required components:

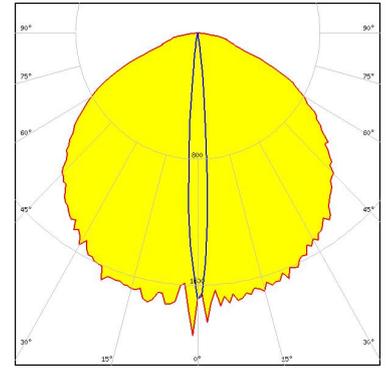


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



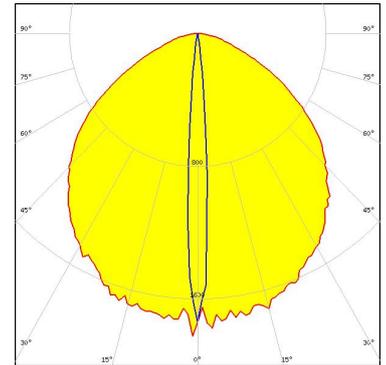
LED XM-L RGBW (XMLDCL HI)  
FWHM / FWTM 110.0 + 8.0° / 153.0 + 15.0°  
Efficiency 53 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 1  
Light colour/type RGBW  
Required components:



Light distribution files



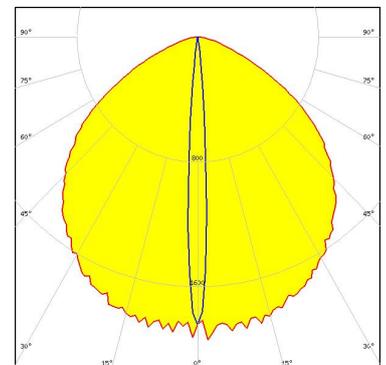
LED XM-L RGBW (XMLDCL HI)  
FWHM / FWTM 104.0 + 8.0° / 148.0 + 16.0°  
Efficiency 56 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 4  
Light colour/type RGBW  
Required components:



Light distribution files



LED XN-P Color  
FWHM / FWTM 107.0 + 8.0° / 144.0 + 14.0°  
Efficiency 57 %  
Peak intensity 2 cd/lm  
LEDs/each optic 4  
Light colour/type RGBW  
Required components:

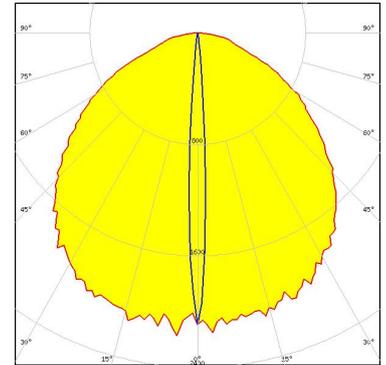


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



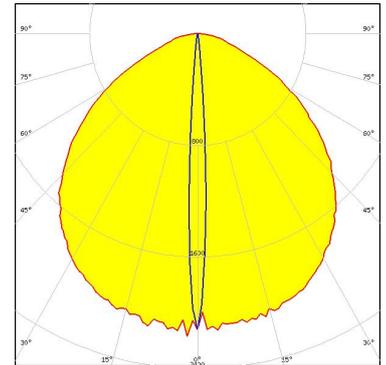
LED XP-E2  
FWHM / FWTM 107.0 + 6.0° / 158.0 + 13.0°  
Efficiency 54 %  
Peak intensity 2.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



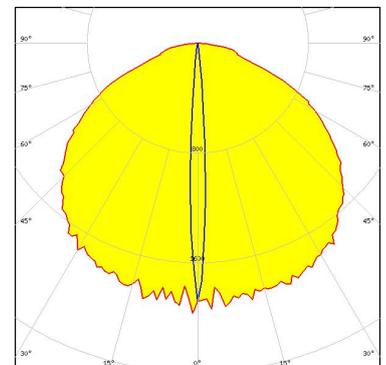
LED XP-E2  
FWHM / FWTM 106.0 + 6.0° / 148.0 + 12.0°  
Efficiency 55 %  
Peak intensity 2.2 cd/lm  
LEDs/each optic 4  
Light colour/type White  
Required components:



Light distribution files



LED XP-G2  
FWHM / FWTM 117.0 + 6.0° / 161.0 + 13.0°  
Efficiency 52 %  
Peak intensity 2.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

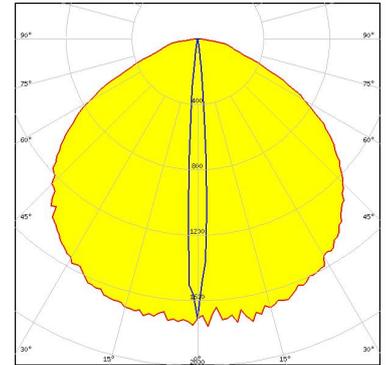


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



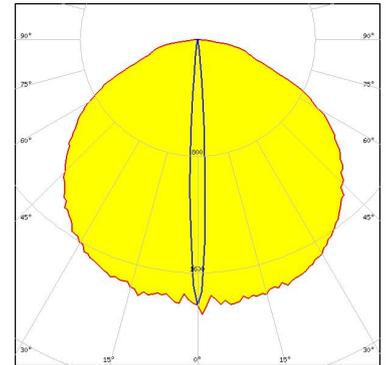
LED XP-L RGBW HI Blend  
 FWHM / FWTM 114.0 + 8.0° / 158.0 + 14.0°  
 Efficiency 53 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 4  
 Light colour/type RGBW  
 Required components:



Light distribution files



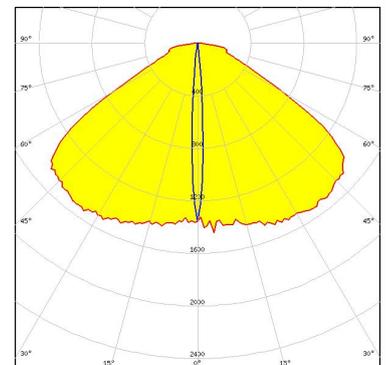
LED XQ-E HI  
 FWHM / FWTM 117.0 + 6.0° / 162.0 + 13.0°  
 Efficiency 51 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 4  
 Light colour/type RGBW  
 Required components:



Light distribution files



LED LUXEON C ES (Blue)  
 FWHM / FWTM 120.0 + 7.0° / 163.0 + 14.0°  
 Efficiency 48 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 4  
 Light colour/type Blue  
 Required components:

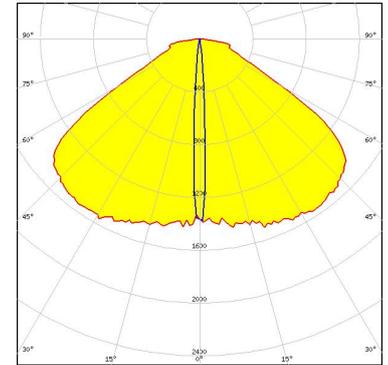


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



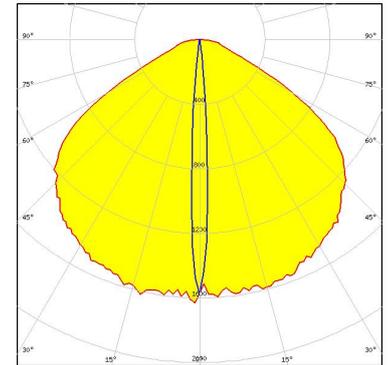
LED LUXEON C ES (Green)  
FWHM / FWTM 118.0 + 7.0° / 164.0 + 14.0°  
Efficiency 49 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 4  
Light colour/type Green  
Required components:



Light distribution files



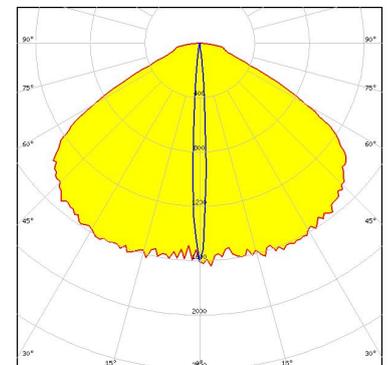
LED LUXEON C ES (Red)  
FWHM / FWTM 116.0 + 7.0° / 144.0 + 14.0°  
Efficiency 53 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 10  
Light colour/type Red  
Required components:



Light distribution files



LED LUXEON C ES (Red)  
FWHM / FWTM 122.0 + 6.0° / 159.0 + 14.0°  
Efficiency 50 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 4  
Light colour/type Red  
Required components:

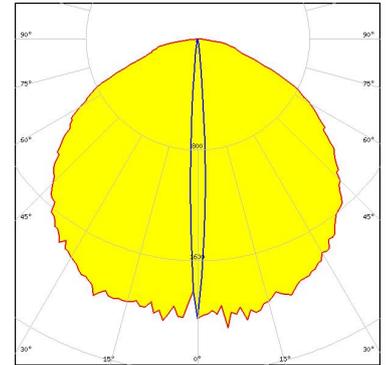


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



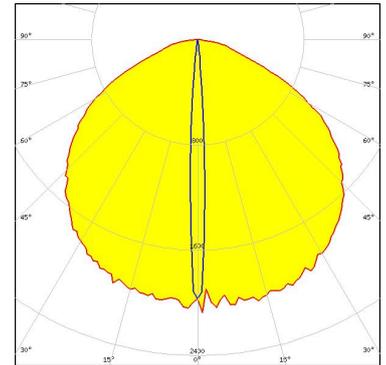
LED LUXEON CZ  
FWHM / FWTM 115.0 + 6.0° / 160.0 + 12.0°  
Efficiency 53 %  
Peak intensity 2.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



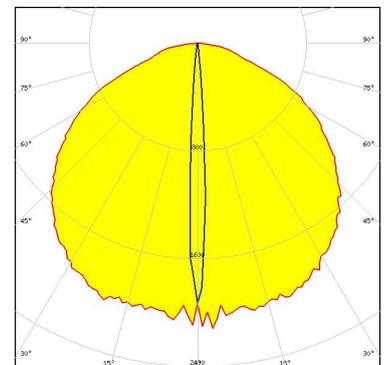
LED LUXEON CZ  
FWHM / FWTM 115.0 + 6.0° / 157.0 + 12.0°  
Efficiency 53 %  
Peak intensity 2.2 cd/lm  
LEDs/each optic 4  
Light colour/type RGBW  
Required components:



Light distribution files



LED LUXEON CZ  
FWHM / FWTM 115.0 + 6.0° / 159.0 + 13.0°  
Efficiency 54 %  
Peak intensity 2.2 cd/lm  
LEDs/each optic 1  
Light colour/type Red  
Required components:

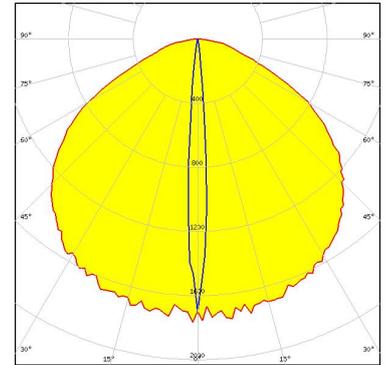


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



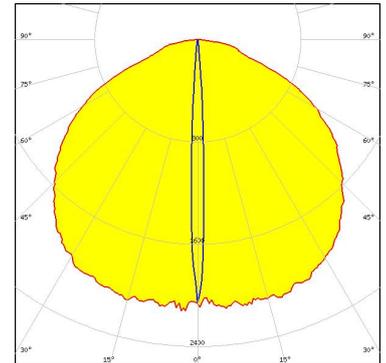
LED LUXEON HL4Z  
FWHM / FWTM 115.0 + 8.0° / 156.0 + 14.0°  
Efficiency 53 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 4  
Light colour/type White  
Required components:



Light distribution files



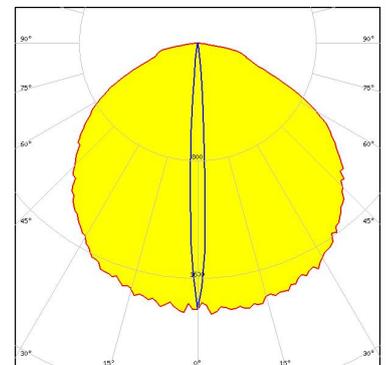
LED LUXEON Rubix  
FWHM / FWTM 119.0 + 5.0° / 160.5 + 11.0°  
Efficiency 50 %  
Peak intensity 2.2 cd/lm  
LEDs/each optic 4  
Light colour/type RGBW  
Required components:



Light distribution files



LED NCSxE17A  
FWHM / FWTM 115.0 + 6.0° / 160.0 + 12.0°  
Efficiency 49 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 4  
Light colour/type RGBW  
Required components:

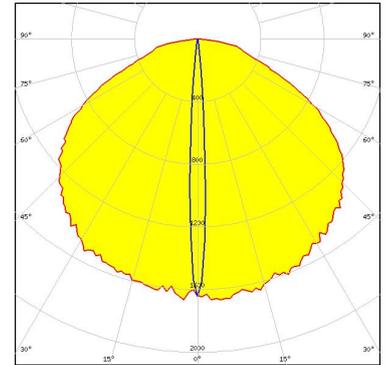


Light distribution files

### OPTICAL RESULTS (SIMULATED):



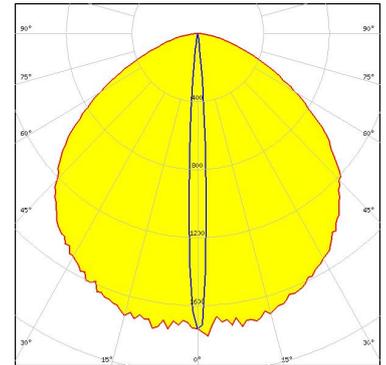
LED NCSxx19B  
FWHM / FWTM 120.0 + 6.0° / 162.0 + 14.0°  
Efficiency 50 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 4  
Light colour/type RGBW  
Required components:



Light distribution files



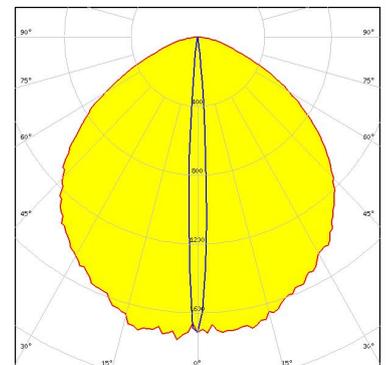
LED NVSR219GL-L1  
FWHM / FWTM 110.0 + 6.0° / 152.0 + 14.0°  
Efficiency 55 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 6  
Light colour/type Red  
Required components:



Light distribution files



LED NVSR219GL-L1  
FWHM / FWTM 106.0 + 7.0° / 150.0 + 14.0°  
Efficiency 55 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 7  
Light colour/type Red  
Required components:

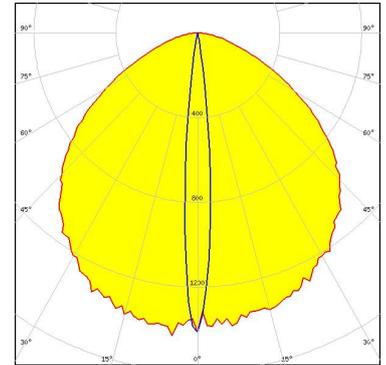


Light distribution files

### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

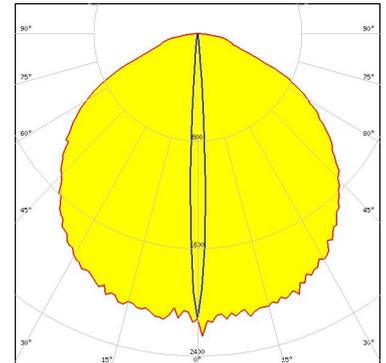
LED DURIS E 5050 (GW J9LHS2.4M)  
FWHM / FWTM 108.0 + 10.0° / 151.0 + 18.0°  
Efficiency 56 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 4  
Light colour/type RGBW  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

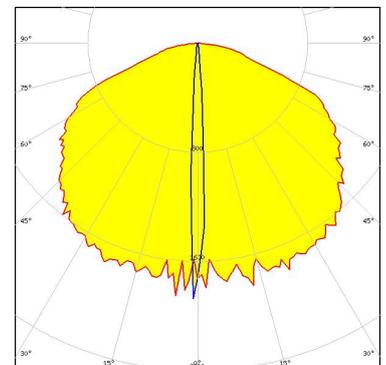
LED OSLO Pure 1414  
FWHM / FWTM 112.0 + 6.0° / 158.0 + 12.0°  
Efficiency 53 %  
Peak intensity 2.3 cd/lm  
LEDs/each optic 4  
Light colour/type RGBW  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLO SSL 150  
FWHM / FWTM 131.0 + 6.0° / 162.0 + 12.0°  
Efficiency 51 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

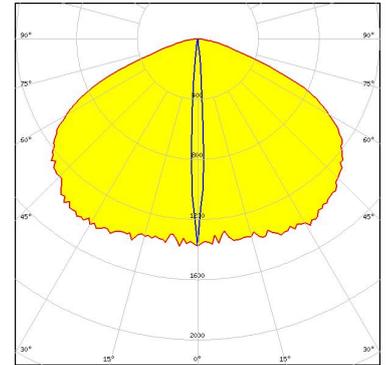


Light distribution files

#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

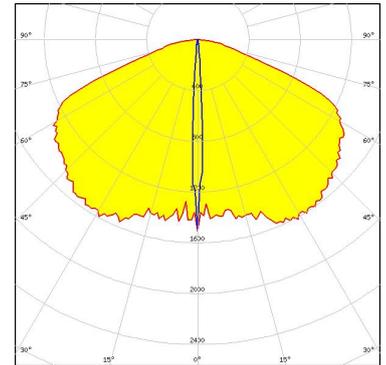
LED OSLON SSL 150  
FWHM / FWTM 132.0 + 6.0° / 156.0 + 13.0°  
Efficiency 51 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 6  
Light colour/type Red  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

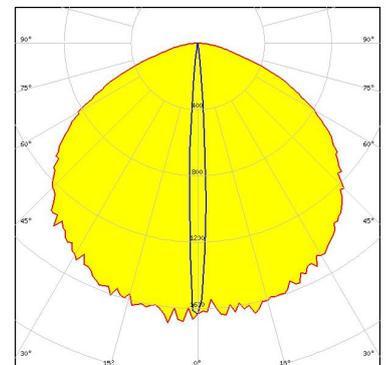
LED OSLON SSL 150  
FWHM / FWTM 137.0 + 6.0° / 161.0 + 12.0°  
Efficiency 49 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour/type Red  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLON SSL 150  
FWHM / FWTM 118.0 + 6.0° / 154.0 + 13.0°  
Efficiency 53 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 7  
Light colour/type White  
Required components:

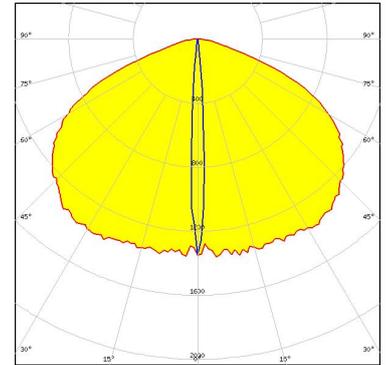


Light distribution files

### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

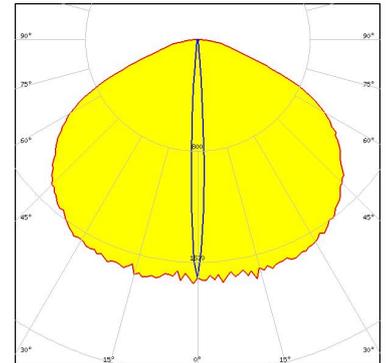
LED OSLON SSL 150  
FWHM / FWTM 132.0 + 6.0° / 154.0 + 14.0°  
Efficiency 51 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 7  
Light colour/type Red  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

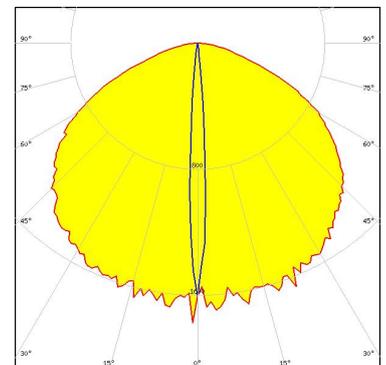
LED OSLON SSL 150  
FWHM / FWTM 126.0 + 6.0° / 159.0 + 12.0°  
Efficiency 52 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 4  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLON SSL 150  
FWHM / FWTM 119.0 + 6.0° / 156.0 + 14.0°  
Efficiency 52 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 6  
Light colour/type White  
Required components:

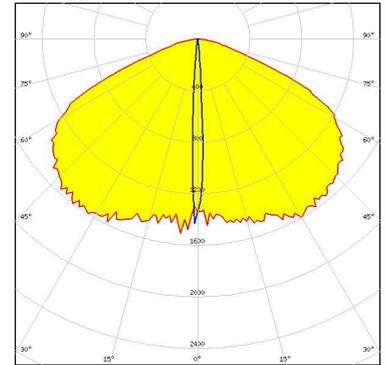


Light distribution files

#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

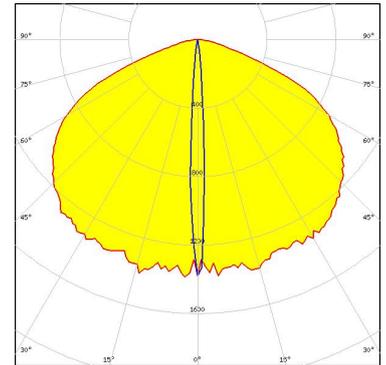
LED OSLON SSL 150  
FWHM / FWTM 133.0 + 6.0° / 157.0 + 12.0°  
Efficiency 51 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 4  
Light colour/type Red  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

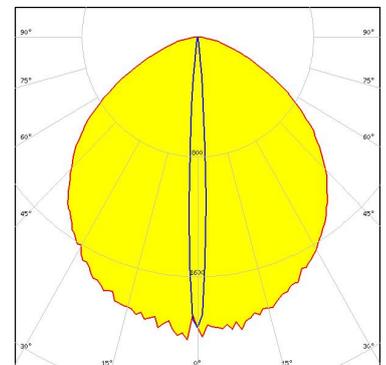
LED OSLON SSL 150  
FWHM / FWTM 130.0 + 6.0° / 153.0 + 14.0°  
Efficiency 52 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 8  
Light colour/type Red  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSTAR Projection Compact (KW.CSLNM1.TG)  
FWHM / FWTM 104.0 + 6.0° / 148.0 + 14.0°  
Efficiency 56 %  
Peak intensity 2.1 cd/lm  
LEDs/each optic 7  
Light colour/type White  
Required components:

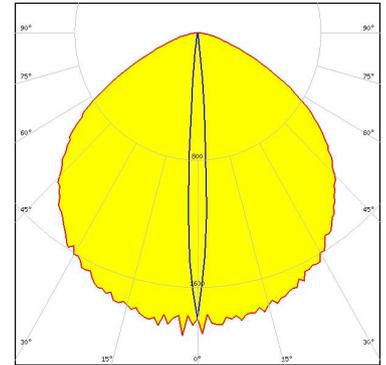


Light distribution files

#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

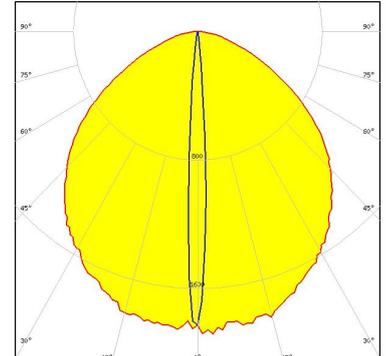
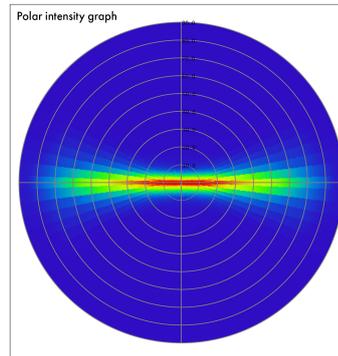
LED OSTAR Stage (S2WN)  
FWHM / FWTM 108.0 + 8.0° / 146.0 + 14.0°  
Efficiency 56 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 4  
Light colour/type RGBW  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED SFH 4770S  
FWHM / FWTM 107.0 + 6.0° / 151.0 + 12.0°  
Efficiency 55 %  
LEDs/each optic 7  
Light colour/type IR  
Required components:



Light distribution files

#### 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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The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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Casic Motor Building  
Shenzhen 518057  
P.R.CHINA

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[www.ledil.com/  
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#### Shipping locations

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#### Distribution Partners

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