

## HEIDI-O

~50° x 11° oval beam

### SPECIFICATION:

Dimensions	Ø 21.6
Height	11.7 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

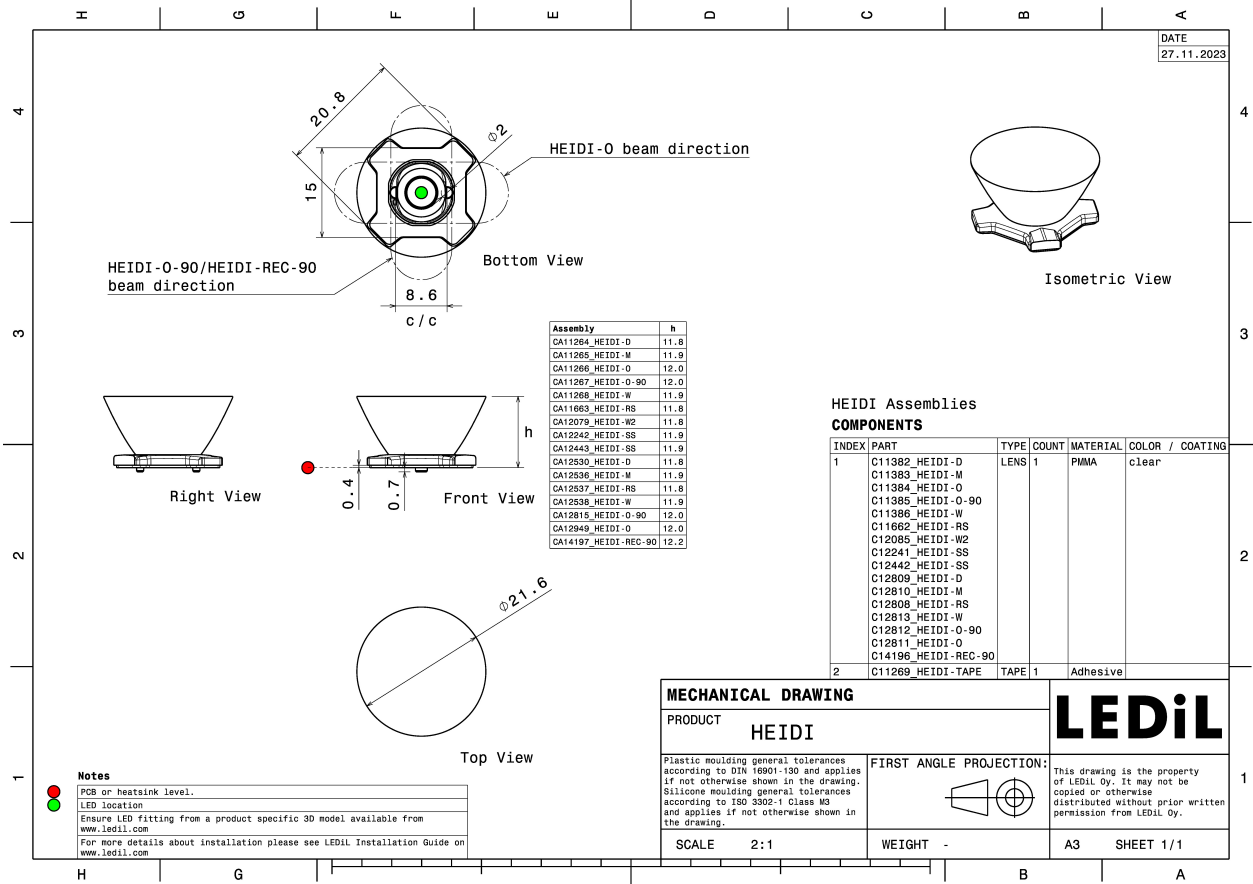
### MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
HEIDI-O	Single lens	PMMA	clear		
HEIDI-TAPE	Tape	Acrylic foam	black		



### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12949_HEIDI-O	Single lens	3264	204	204	11.1
» Box size: 480 x 280 x 300 mm					

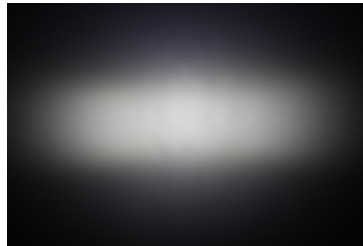


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):



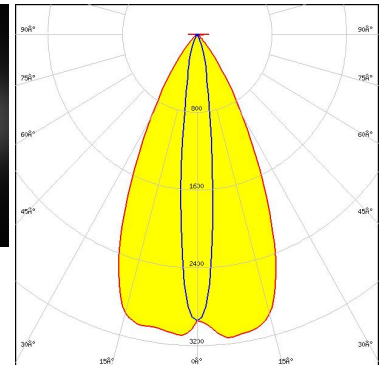
**LED** XHP35 HD  
**FWHM / FWTM** 51.0 + 18.0° / 84.0 + 50.0°  
**Efficiency** 77 %  
**Peak intensity** 2.2 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



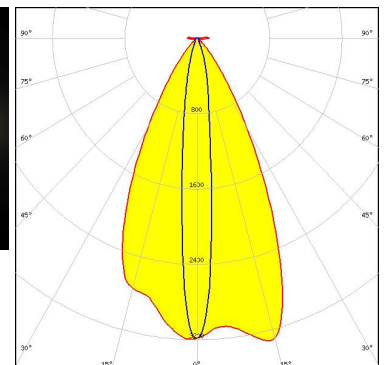
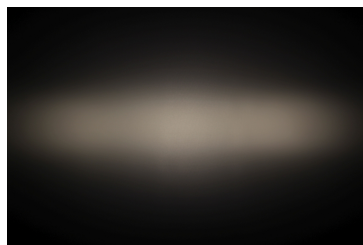
**LED** XHP35 HI  
**FWHM / FWTM** 53.0 + 14.0° / 80.0 + 40.0°  
**Efficiency** 79 %  
**Peak intensity** 3 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** XP-G2  
**FWHM / FWTM** 52.0 + 12.0° / 78.0 + 33.0°  
**Efficiency** 91 %  
**Peak intensity** 3.3 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

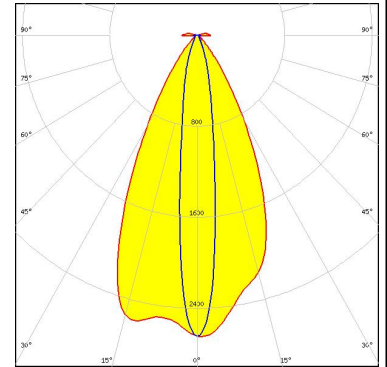


Light distribution files

### OPTICAL RESULTS (MEASURED):



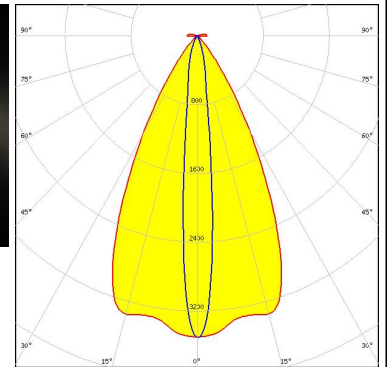
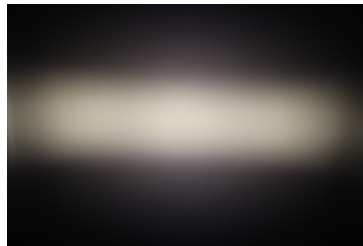
**LED** XP-G3  
**FWHM / FWTM** 51.0 + 14.0° / 79.0 + 39.0°  
**Efficiency** 90 %  
**Peak intensity** 2.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



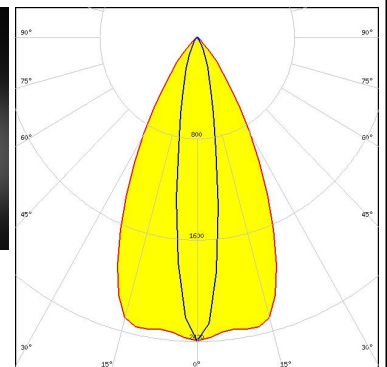
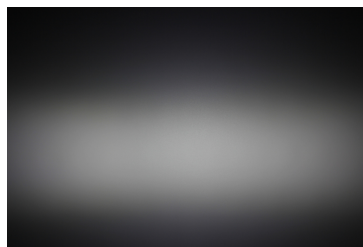
**LED** XP-G4  
**FWHM / FWTM** 54.0 + 11.5° / 77.0 + 31.0°  
**Efficiency** 92 %  
**Peak intensity** 3.5 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** XP-L HD  
**FWHM / FWTM** 52.0 + 16.0° / 79.0 + 41.0°  
**Efficiency** 81 %  
**Peak intensity** 2.5 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



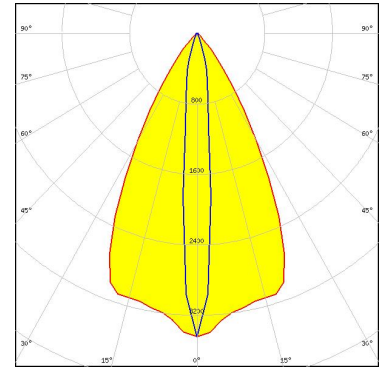
Light distribution files



### OPTICAL RESULTS (MEASURED):



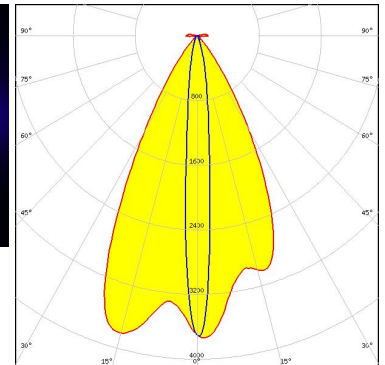
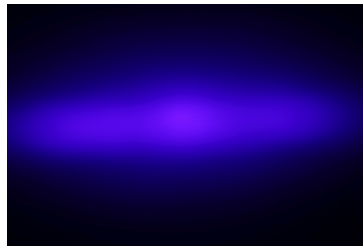
LED LUXEON Rebel ES  
 FWHM / FWTM 53.0 + 12.0° / 76.0 + 33.0°  
 Efficiency 82 %  
 Peak intensity 3.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



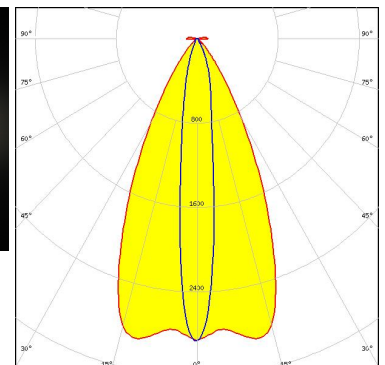
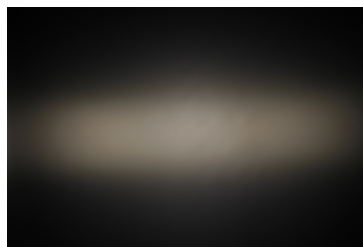
LED SST-10-B130  
 FWHM / FWTM 54.0 + 9.5° / 77.0 + 28.0°  
 Efficiency 90 %  
 Peak intensity 3.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type Blue  
 Required components:



Light distribution files



LED NVSW219D  
 FWHM / FWTM 51.0 + 13.0° / 78.0 + 40.0°  
 Efficiency 91 %  
 Peak intensity 2.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

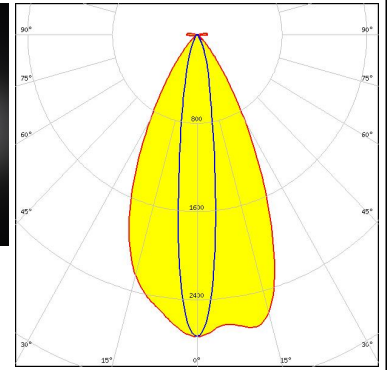


Light distribution files

### OPTICAL RESULTS (MEASURED):



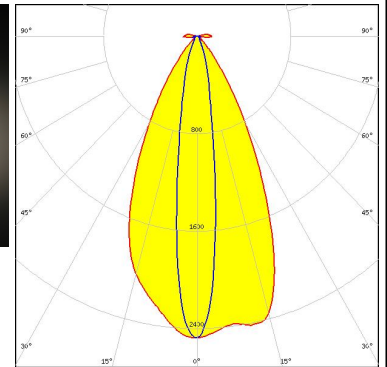
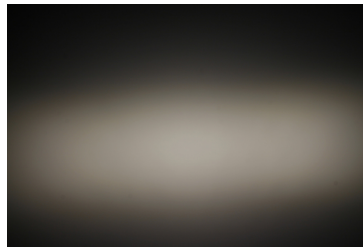
LED NVSW319B  
 FWHM / FWTM 51.0 + 15.0° / 80.0 + 38.0°  
 Efficiency 91 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



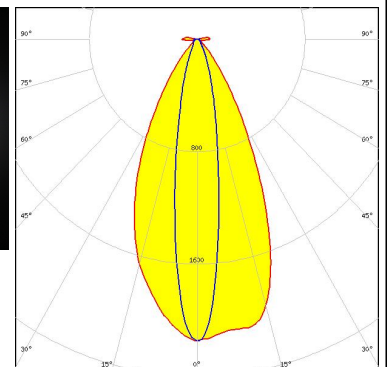
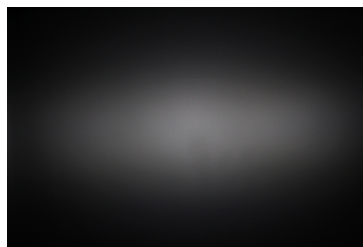
LED NVSW3x9A  
 FWHM / FWTM 51.0 + 15.0° / 80.0 + 39.0°  
 Efficiency 89 %  
 Peak intensity 2.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NVSW519A  
 FWHM / FWTM 50.0 + 18.0° / 81.0 + 44.0°  
 Efficiency 87 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

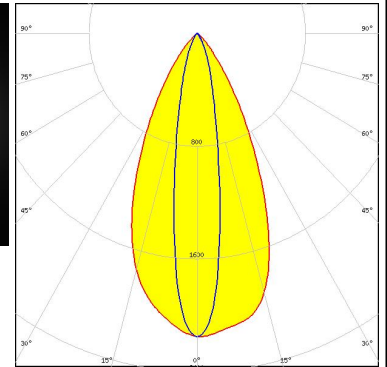


Light distribution files

### OPTICAL RESULTS (MEASURED):



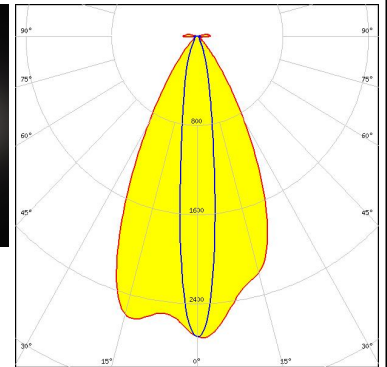
**LED** NWSx229A  
**FWHM / FWTM** 50.0 + 18.0° / 80.0 + 44.0°  
**Efficiency** 76 %  
**Peak intensity** 2.2 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



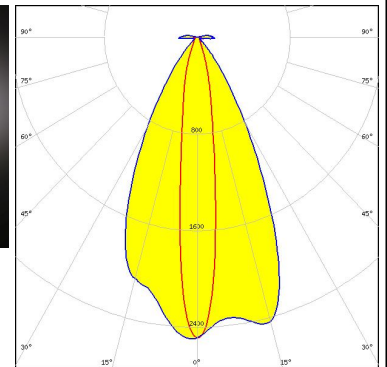
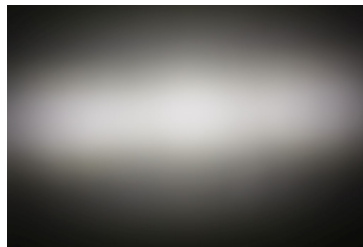
**LED** Z5M3  
**FWHM / FWTM** 52.0 + 13.0° / 79.0 + 39.0°  
**Efficiency** 92 %  
**Peak intensity** 2.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** Z8Y22P  
**FWHM / FWTM** 52.0 + 14.0° / 79.0 + 39.0°  
**Efficiency** 90 %  
**Peak intensity** 2.5 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

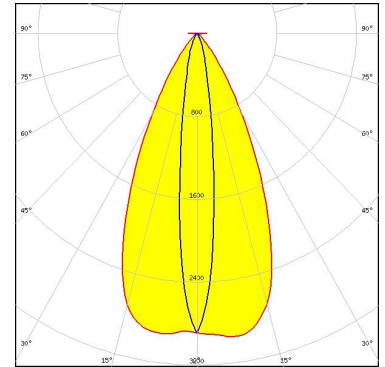


Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED XP-G2 HE  
FWHM / FWTM 50.0 + 14.0° / 78.0 + 35.0°  
Efficiency 88 %  
Peak intensity 3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

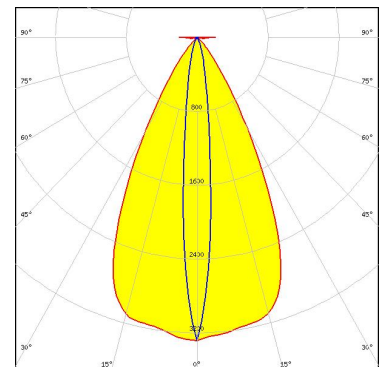


LED LUXEON A  
FWHM / FWTM 51.0 + 12.0° / 76.0 + 30.0°  
Efficiency 84 %  
Peak intensity 3.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files



LED LUXEON HL2Z  
FWHM / FWTM 54.0 + 10.0° / 76.0 + 28.0°  
Efficiency 89 %  
Peak intensity 3.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

### OPTICAL RESULTS (SIMULATED):

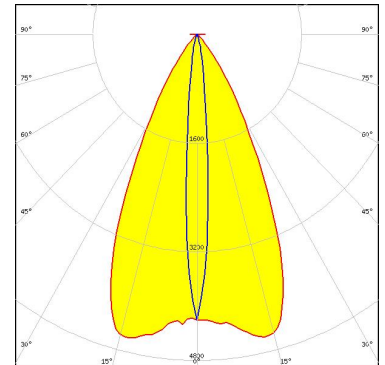


LED LUXEON R  
FWHM / FWTM 53.0 + 12.0°  
Efficiency %  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files



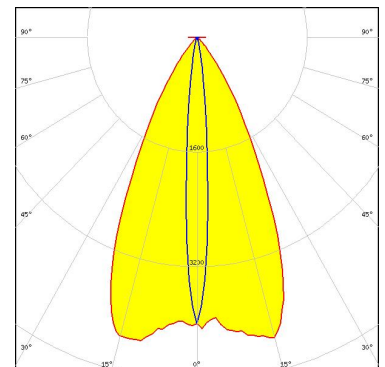
LED LUXEON SunPlus 20 Line (120 deg)  
FWHM / FWTM 52.0 + 9.0° / 76.0 + 22.0°  
Efficiency 91 %  
Peak intensity 4.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

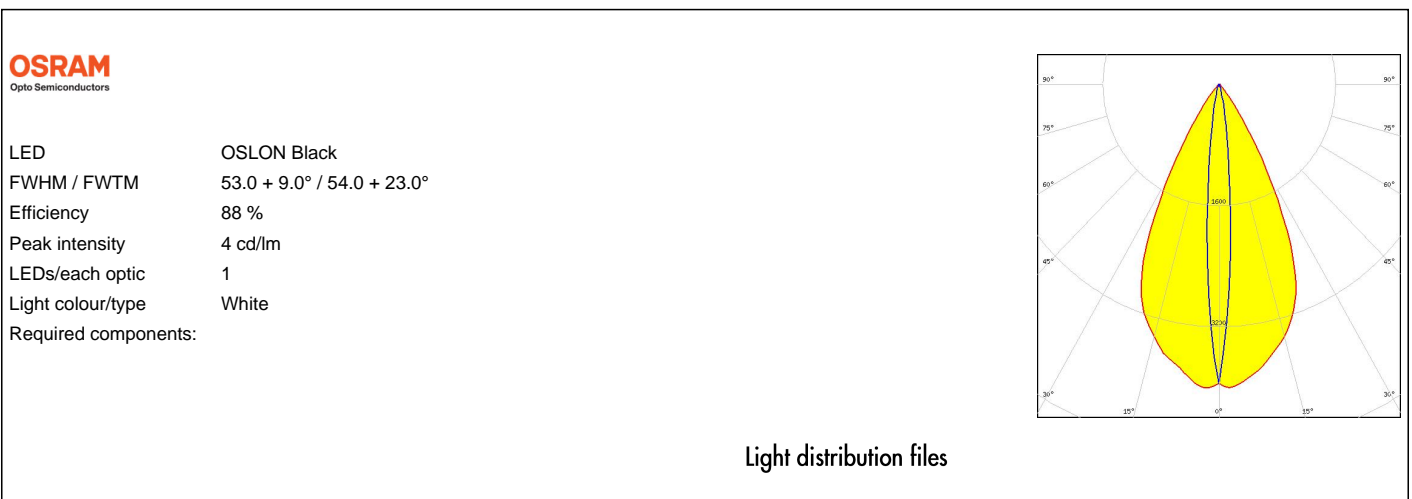
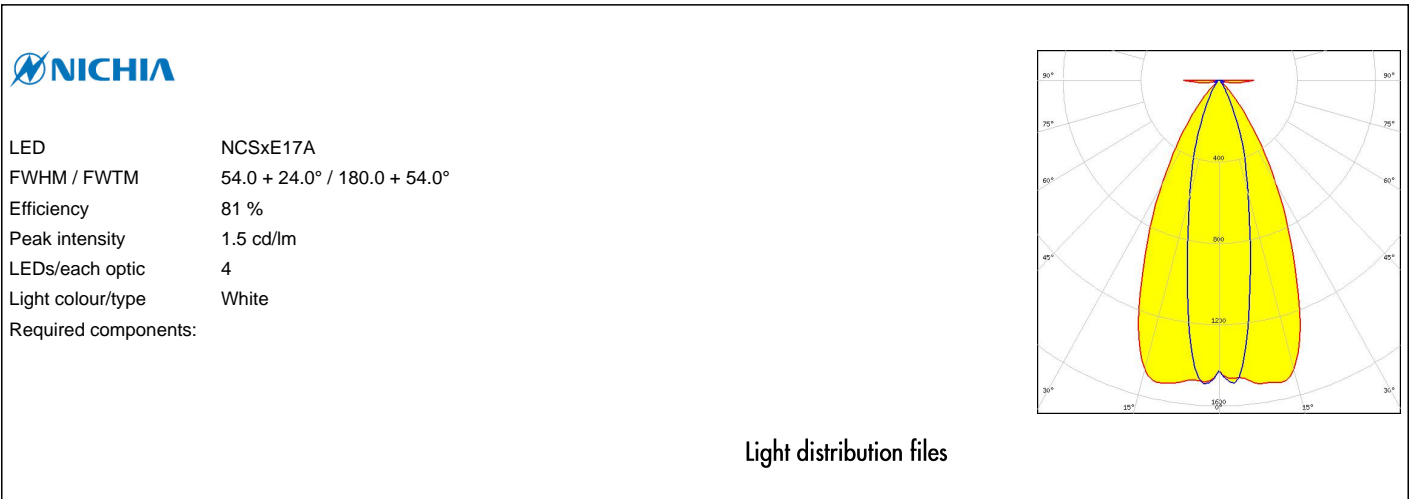


LED LUXEON SunPlus 20 Line (150 deg)  
FWHM / FWTM 52.0 + 10.0° / 76.0 + 20.0°  
Efficiency 87 %  
Peak intensity 4.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

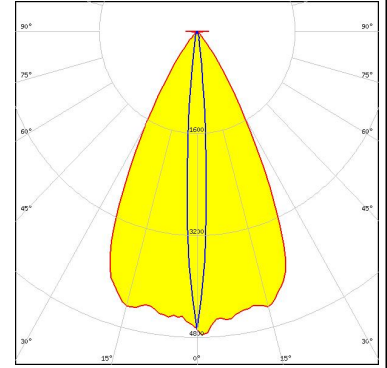
### OPTICAL RESULTS (SIMULATED):



### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

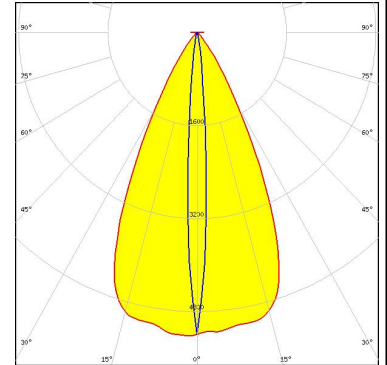
LED OSLON Black Flat (LUW HWQP)  
FWHM / FWTM 54.0 + 8.0° / 74.0 + 18.0°  
Efficiency 89 %  
Peak intensity 4.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLON Pure 1414  
FWHM / FWTM 52.0 + 8.0° / 74.0 + 17.0°  
Efficiency 93 %  
Peak intensity 5.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
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:

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