

## LISA4-W

~36° wide beam with integrated pins on lens

### SPECIFICATION:

Dimensions	Ø 10.0
Height	7.7 mm
Fastening	pin
ROHS compliant	yes ⓘ

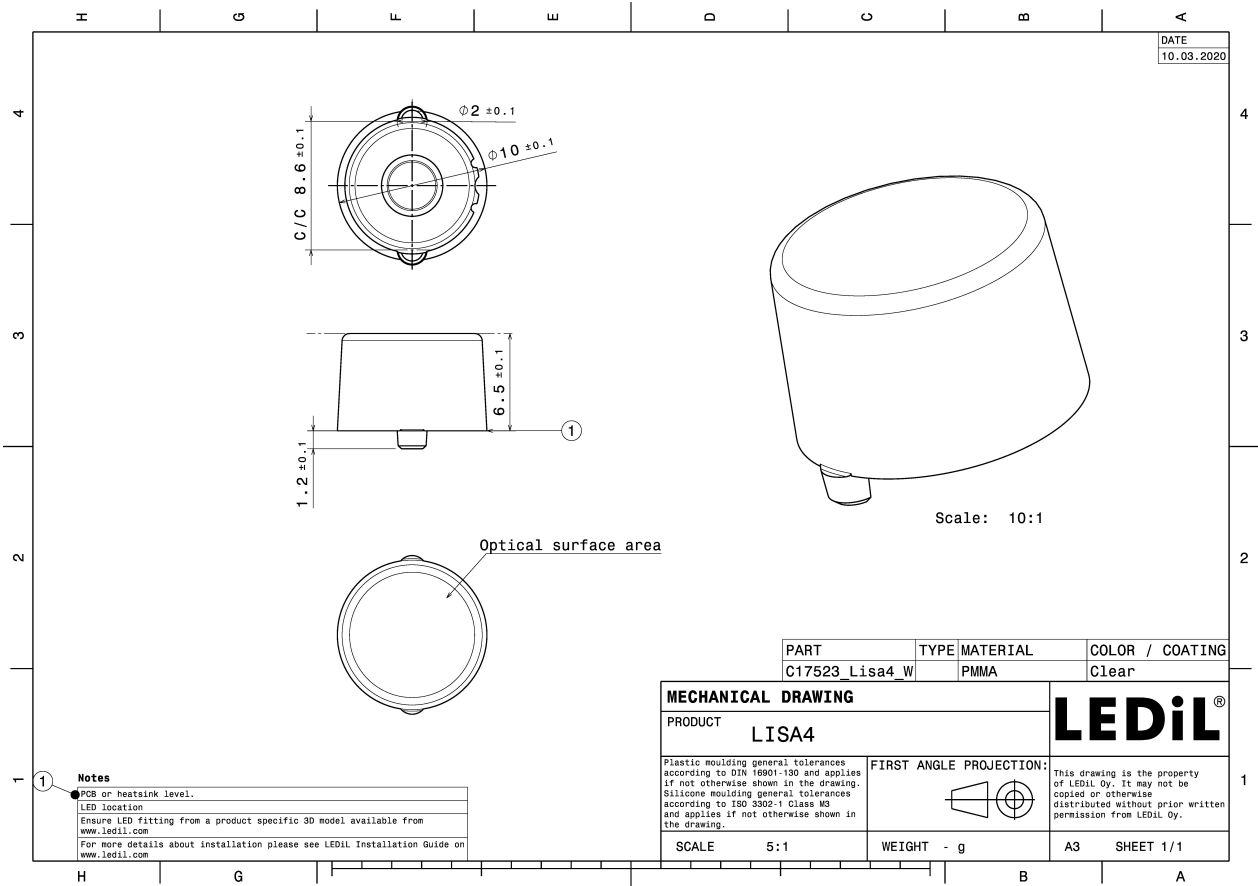
### MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
LISA4-W	Single lens	PMMA	clear		

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17523_LISA4-W » Box size: 430 x 390 x 215 mm	20000	1000	1000	7.5



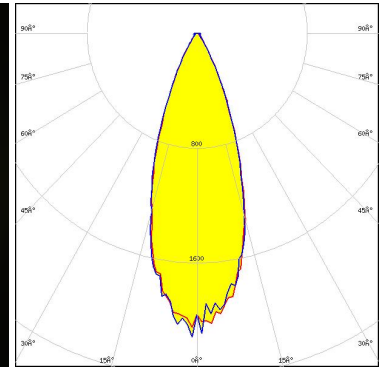


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (SIMULATED):



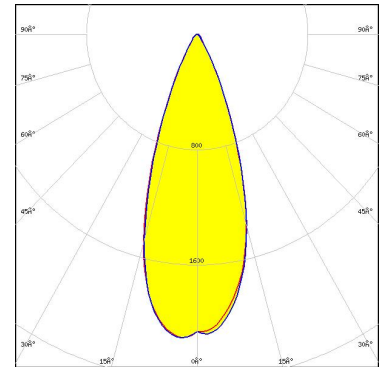
LED J Series 3030C  
 FWHM / FWTM 36.0° / 62.0°  
 Efficiency 96 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



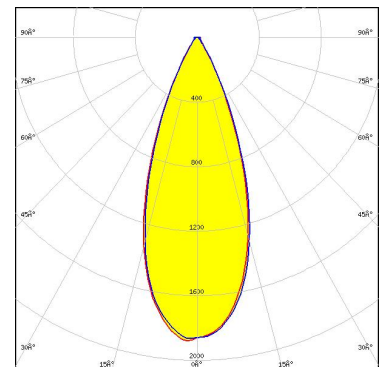
LED XP-E2  
 FWHM / FWTM 36.0° / 61.0°  
 Efficiency 95 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XP-G2  
 FWHM / FWTM 38.0° / 64.0°  
 Efficiency 95 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

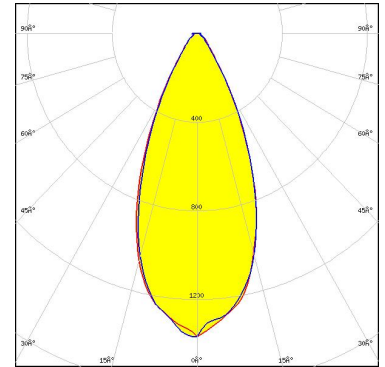


Light distribution files

### OPTICAL RESULTS (SIMULATED):



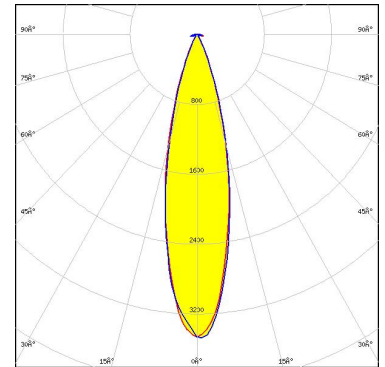
LED XP-G3  
FWHM / FWTM 45.0° / 76.0°  
Efficiency 95 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



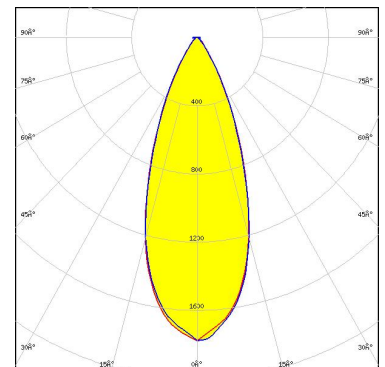
LED LUXEON HL1Z  
FWHM / FWTM 26.0 + 25.0° / 48.0 + 47.0°  
Efficiency 97 %  
Peak intensity 3.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED LUXEON TX  
FWHM / FWTM 38.0° / 67.0°  
Efficiency 96 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

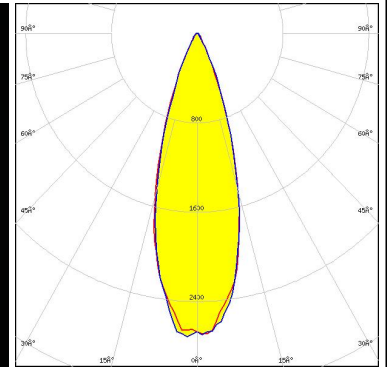
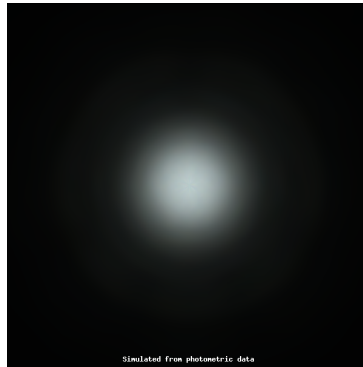


Light distribution files

### OPTICAL RESULTS (SIMULATED):



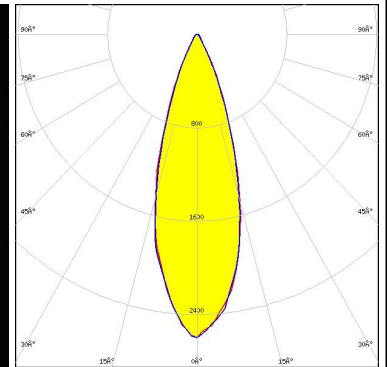
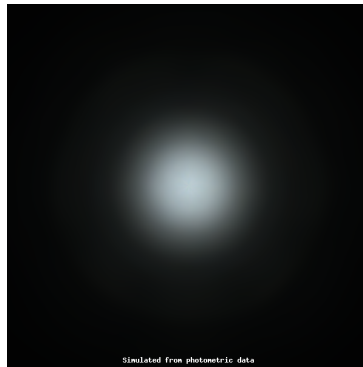
**LED** SFT-12R-WES  
**FWHM / FWTM** 32.0° / 55.0 + 54.0°  
**Efficiency** 96 %  
**Peak intensity** 2.8 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



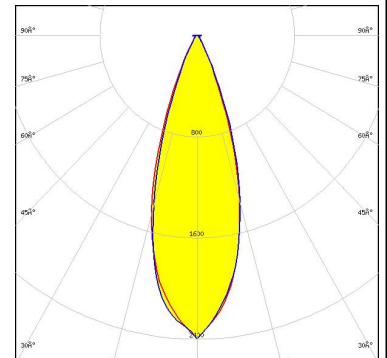
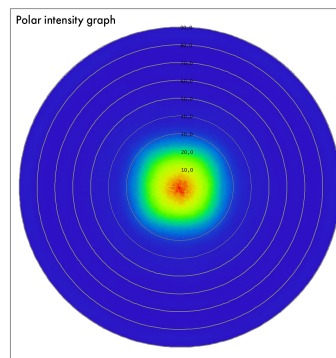
**LED** SFT-25R  
**FWHM / FWTM** 33.0 + 32.0° / 57.0 + 56.0°  
**Efficiency** 96 %  
**Peak intensity** 2.6 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** SST-10-IR-B90  
**FWHM / FWTM** 33.0° / 55.0°  
**Efficiency** 93 %  
**LEDs/each optic** 1  
**Light colour/type** IR  
**Required components:**

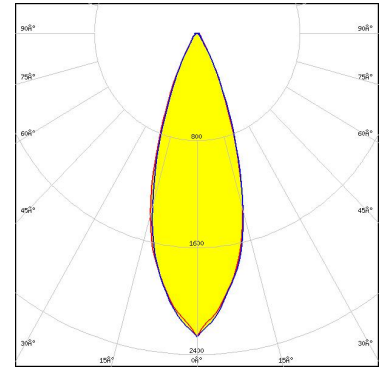


Light distribution files

### OPTICAL RESULTS (SIMULATED):



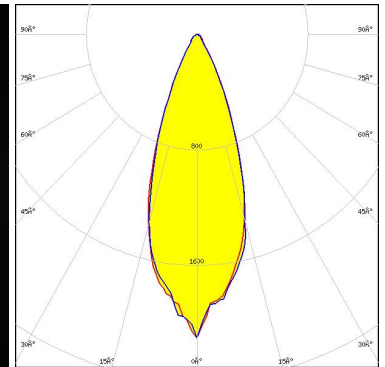
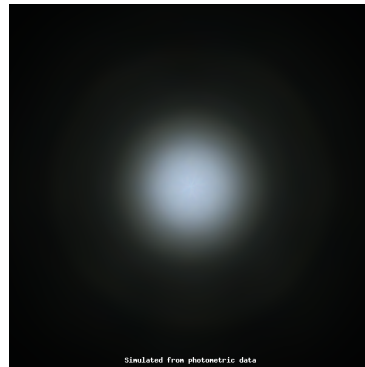
**LED** SST-12  
**FWHM / FWTM** 35.0 + 34.0° / 60.0°  
**Efficiency** 96 %  
**Peak intensity** 2.3 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



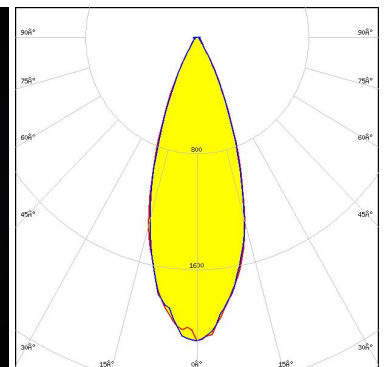
**LED** SST-12 Gen2  
**FWHM / FWTM** 37.0 + 36.0° / 62.0°  
**Efficiency** 96 %  
**Peak intensity** 2.1 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** SST-20 Gen2  
**FWHM / FWTM** 36.0° / 62.0°  
**Efficiency** 96 %  
**Peak intensity** 2.2 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

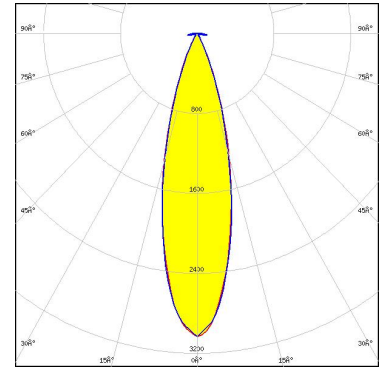


Light distribution files

### OPTICAL RESULTS (SIMULATED):



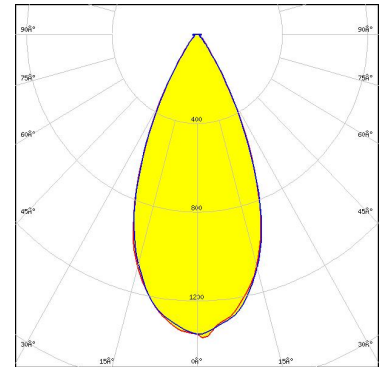
LED NCSxE17A  
 FWHM / FWTM 27.0° / 50.0°  
 Efficiency 95 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



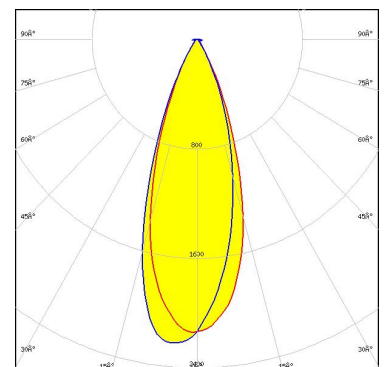
LED NVSW219F  
 FWHM / FWTM 47.0° / 72.0°  
 Efficiency 93 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED Duris S5 (2 chip)  
 FWHM / FWTM 35.0° / 60.0°  
 Efficiency 95 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

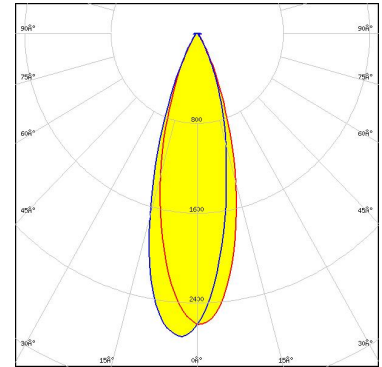


Light distribution files

### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

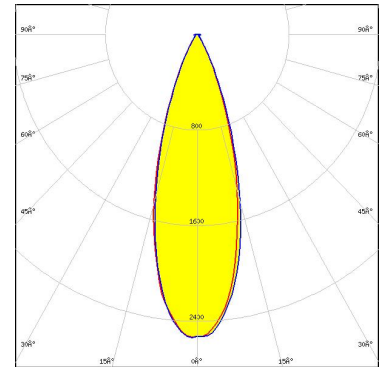
LED Duris S5 (Single chip)  
FWHM / FWTM 30.0° / 56.0°  
Efficiency 95 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

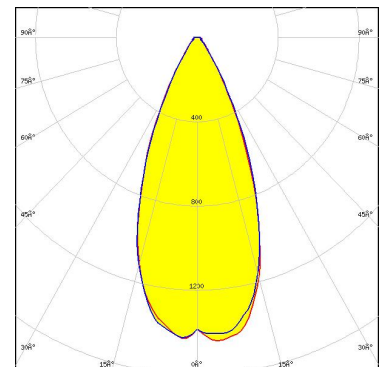
LED OSCONIQ C 2424  
FWHM / FWTM 33.0° / 57.0°  
Efficiency 96 %  
Peak intensity 2.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSCONIQ P 3737 (3W version)  
FWHM / FWTM 45.0° / 72.0°  
Efficiency 96 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



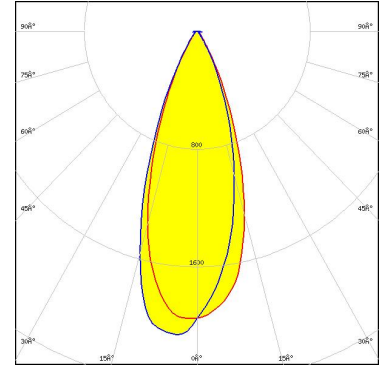
Light distribution files



### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

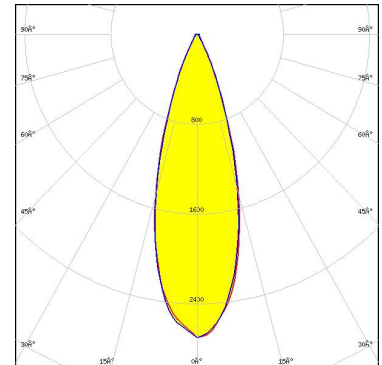
LED OSCONIQ S 3030 (QSLR31)  
FWHM / FWTM 37.0° / 63.0°  
Efficiency 95 %  
Peak intensity 2.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

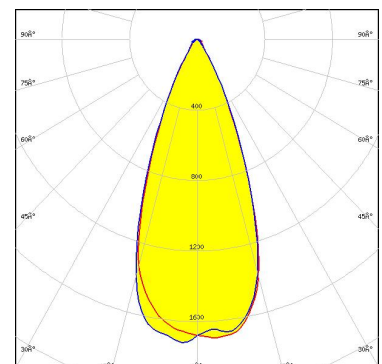
LED OSLO Pure 1414  
FWHM / FWTM 32.0° / 54.0°  
Efficiency 96 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLO Signal  
FWHM / FWTM 42.0° / 66.0°  
Efficiency 94 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour/type Red  
Required components:

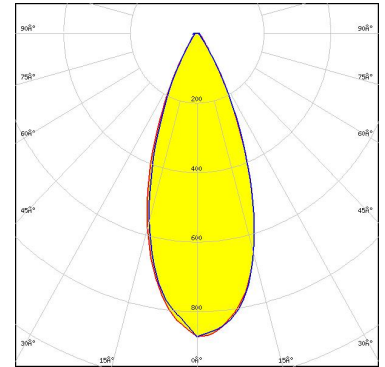


Light distribution files

### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

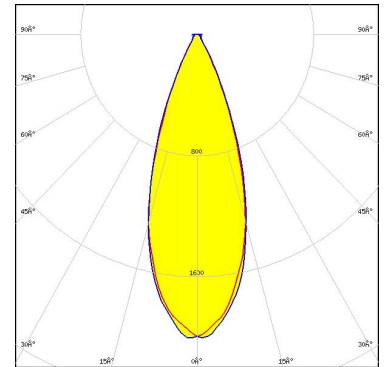
LED OSLO Square CSSRM2/CSSRM3  
FWHM / FWTM 40.0° / 68.0°  
Efficiency 95 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

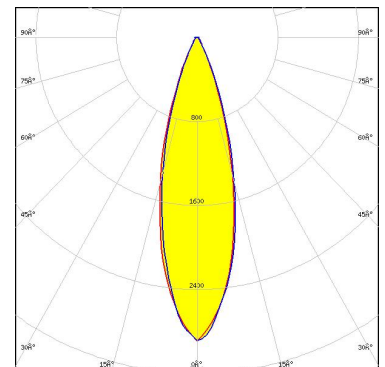
LED OSLO Square EC  
FWHM / FWTM 36.0° / 60.0°  
Efficiency 95 %  
Peak intensity 2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLO SSL 80  
FWHM / FWTM 29.0° / 53.0°  
Efficiency 95 %  
Peak intensity 2.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

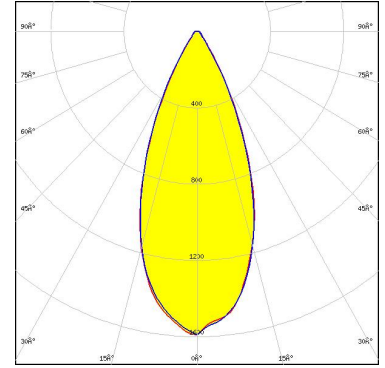


Light distribution files

### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

LED	LH351B
FWHM / FWTM	42.0° / 70.0°
Efficiency	95 %
Peak intensity	1.8 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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