

## HEIDI-M

~25° medium beam

### SPECIFICATION:

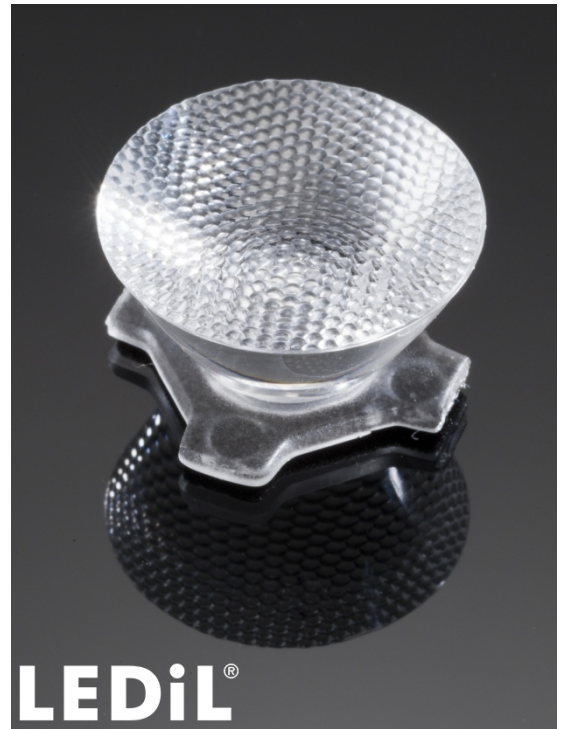
Dimensions	Ø 21.6 mm
Height	11.9 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

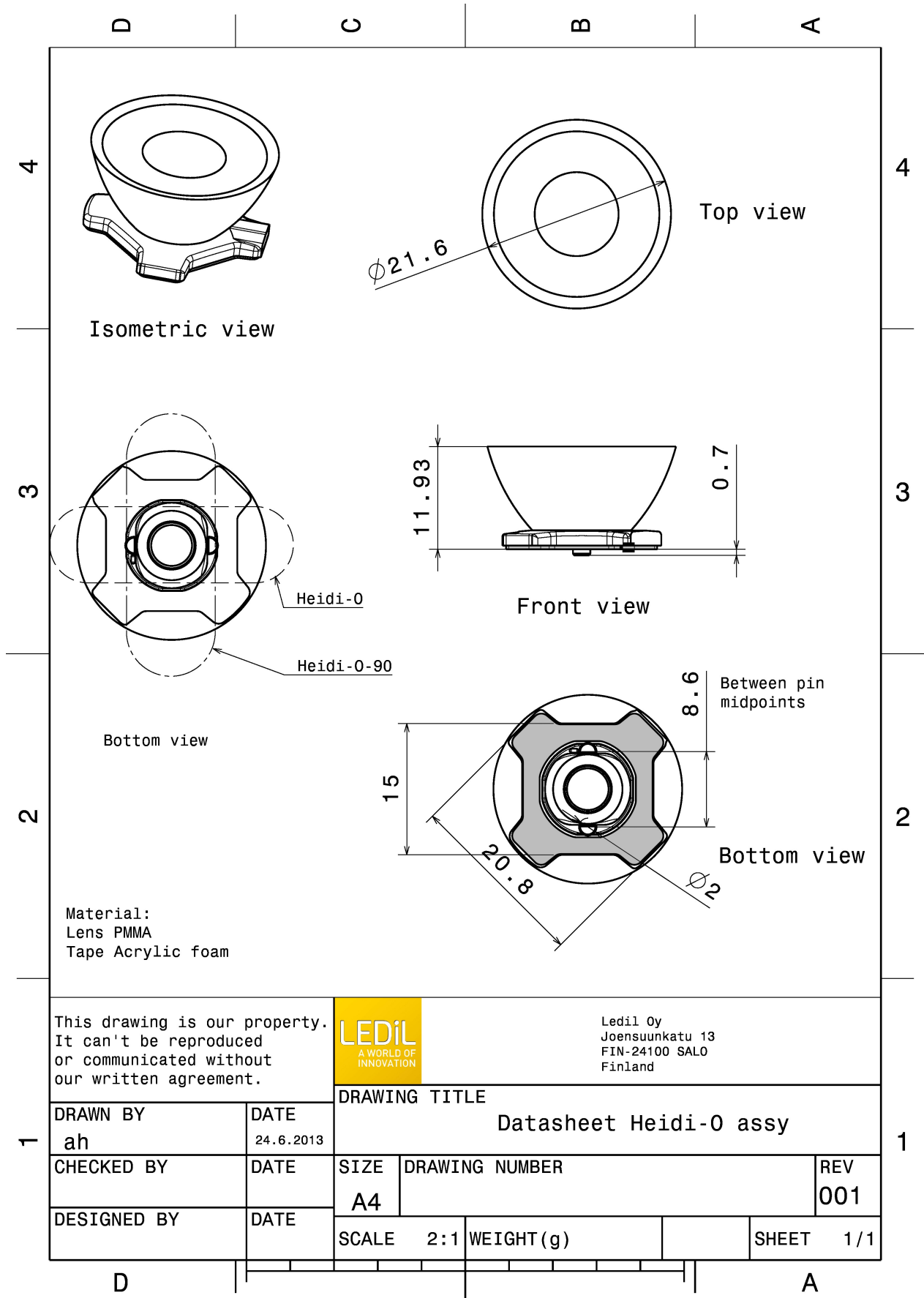
### MATERIALS:

Component	Type	Material	Colour	Finish
HEIDI-M	Single lens	PMMA	clear	
HEIDI-TAPE	Tape	Acrylic foam	black	

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11265_HEIDI-M	Single lens	3264	204	204	10.8
» 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)

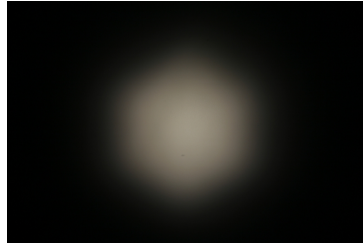
### OPTICAL RESULTS (MEASURED):

#### CREE → LED

LED XB-D  
FWHM / FWTM 29.0°  
Efficiency 87 %  
Peak intensity 2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

#### CREE → LED

LED XB-H  
FWHM / FWTM 27.0° / 48.0°  
Efficiency 87 %  
Peak intensity 3.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### CREE → LED

LED XP-E  
FWHM / FWTM 28.0° / 46.0°  
Efficiency 92 %  
Peak intensity 2.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

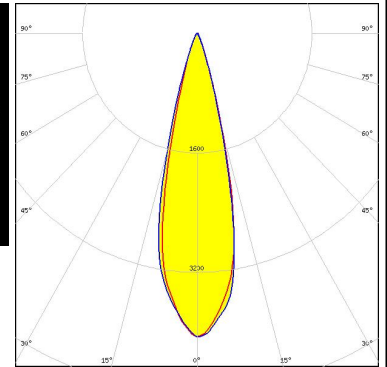
#### CREE → LED

LED XP-G  
FWHM / FWTM 28.0° / 46.0°  
Efficiency 92 %  
Peak intensity 3.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

### OPTICAL RESULTS (MEASURED):

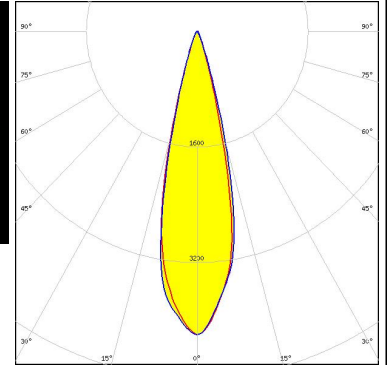
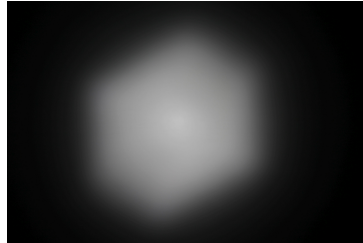
#### CREE LED

LED XQ-E HD  
 FWHM / FWTM 26.0° / 41.0°  
 Efficiency 94 %  
 Peak intensity 4.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



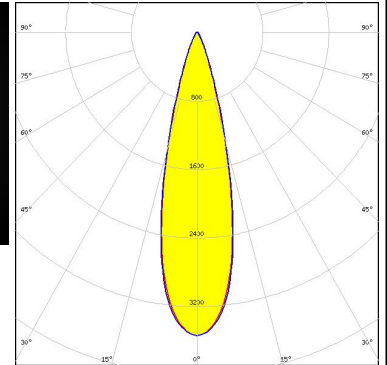
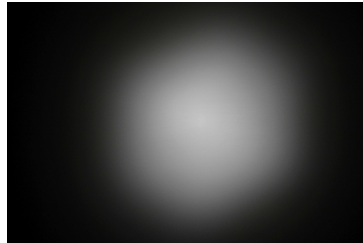
#### CREE LED

LED XQ-E HI  
 FWHM / FWTM 25.0° / 40.0°  
 Efficiency 94 %  
 Peak intensity 4.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



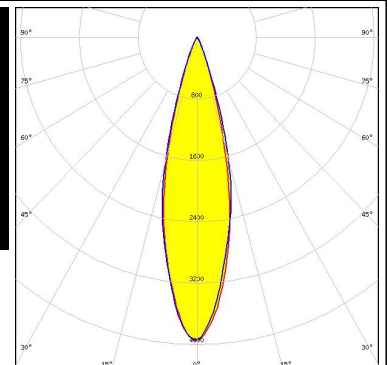
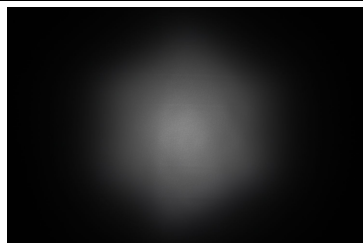
#### CREE LED

LED XT-E  
 FWHM / FWTM 27.0° / 46.0°  
 Efficiency 94 %  
 Peak intensity 3.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### LUMILEDS

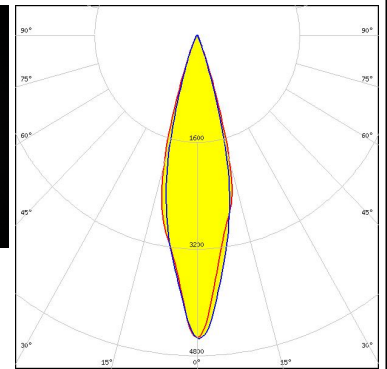
LED LUXEON C  
 FWHM / FWTM 26.0° / 44.0°  
 Efficiency 87 %  
 Peak intensity 4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### OPTICAL RESULTS (MEASURED):

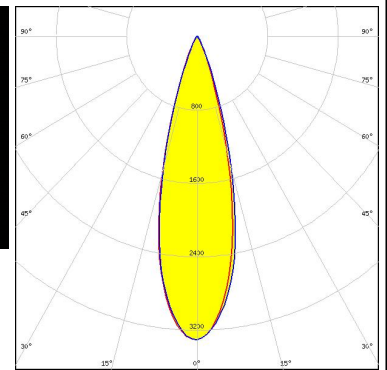
#### LUMILEDS

LED LUXEON CZ  
 FWHM / FWTM 26.0° / 42.0°  
 Efficiency 94 %  
 Peak intensity 4.5 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



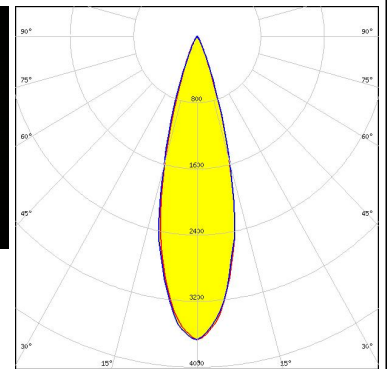
#### LUMILEDS

LED LUXEON T  
 FWHM / FWTM 28.0° / 47.0°  
 Efficiency 87 %  
 Peak intensity 3.3 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### NICHIA

LED NCSxx19B  
 FWHM / FWTM 29.0° / 47.0°  
 Efficiency 88 %  
 Peak intensity 3.7 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### NICHIA

LED NVSxx19A  
 FWHM / FWTM 28.0° / 49.0°  
 Efficiency 87 %  
 Peak intensity 3.1 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:

### OPTICAL RESULTS (MEASURED):

#### OSRAM

Opto Semiconductors

LED OSLOM SSL 150  
FWHM / FWTM 26.0° / 44.0°  
Efficiency 90 %  
Peak intensity 3.4 cd/m  
LEDs/each optic 1  
Light colour White  
Required components:

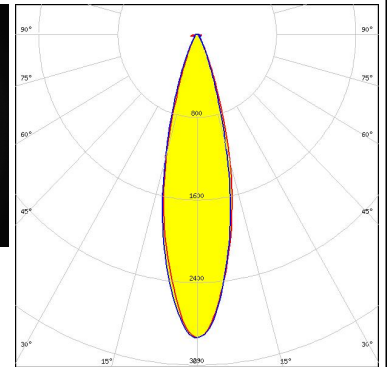
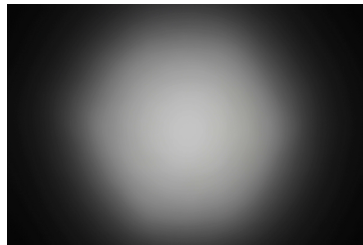
#### OSRAM

Opto Semiconductors

LED OSLOM SSL 80  
FWHM / FWTM 28.0° / 46.0°  
Efficiency 87 %  
Peak intensity 3.1 cd/m  
LEDs/each optic 1  
Light colour White  
Required components:

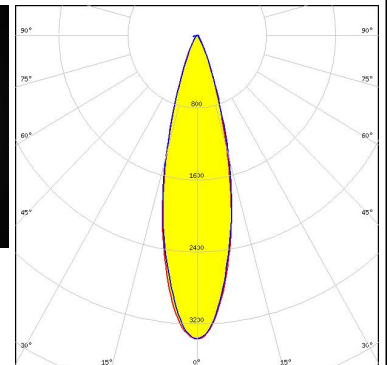
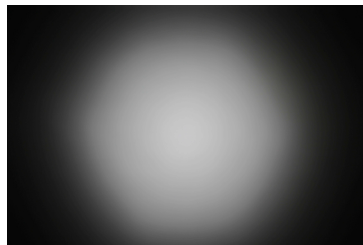
#### SAMSUNG

LED LH181A  
FWHM / FWTM 27.0° / 49.0°  
Efficiency 88 %  
Peak intensity 2.9 cd/m  
LEDs/each optic 1  
Light colour White  
Required components:



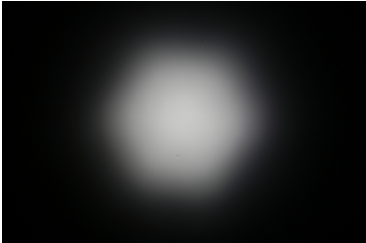
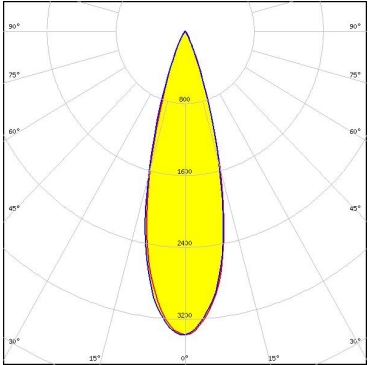


#### SAMSUNG

LED LH181B  
FWHM / FWTM 27.0° / 49.0°  
Efficiency 93 %  
Peak intensity 3.4 cd/m  
LEDs/each optic 1  
Light colour White  
Required components:



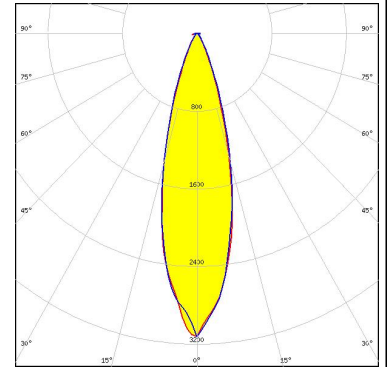
### OPTICAL RESULTS (MEASURED):

	
SEOUL SEMICONDUCTOR	
LED	Z5
FWHM / FWTM	28.0° / 42.0°
Efficiency	87 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
<hr/>	
	
SEOUL SEMICONDUCTOR	
LED	Z5M1/Z5M2
FWHM / FWTM	29.0° / 48.0°
Efficiency	89 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	

### OPTICAL RESULTS (SIMULATED):

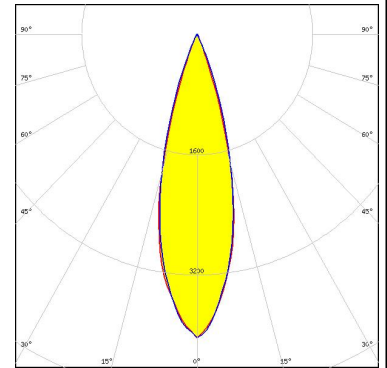
#### CREE LED

LED XHP35.2 HI  
 FWHM / FWTM 28.0° / 52.0°  
 Efficiency 94 %  
 Peak intensity 3.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



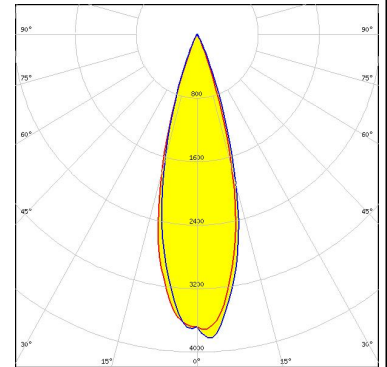
#### CREE LED

LED XP-E2  
 FWHM / FWTM 28.0° / 46.0°  
 Efficiency 96 %  
 Peak intensity 4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



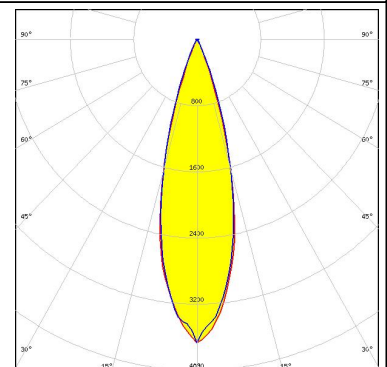
#### CREE LED

LED XP-E2  
 FWHM / FWTM 29.0° / 46.0°  
 Efficiency 96 %  
 Peak intensity 3.8 cd/lm  
 LEDs/each optic 1  
 Light colour Green  
 Required components:



#### LUMILEDS

LED LUXEON SunPlus 20 Line (150 deg)  
 FWHM / FWTM 28.0° / 45.0°  
 Efficiency 91 %  
 Peak intensity 3.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:





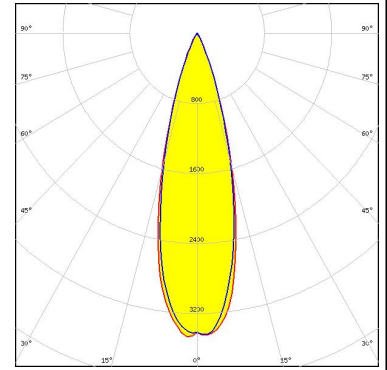
### OPTICAL RESULTS (SIMULATED):

<p><b>LUMILEDS</b></p> <p>LED: LUXEON Z            FWHM / FWTM: 28.0° / 44.0°            Efficiency: 96 %            Peak intensity: 4.2 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED: LUXEON Z ES            FWHM / FWTM: 28.0° / 45.0°            Efficiency: 94 %            Peak intensity: 4.1 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED: NVSxE21A            FWHM / FWTM: 28.0° / 47.0°            Efficiency: 94 %            Peak intensity: 3.7 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED: OSCONIQ P 3030            FWHM / FWTM: 28.0° / 46.0°            Efficiency: 96 %            Peak intensity: 3.8 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	

### OPTICAL RESULTS (SIMULATED):

#### OSRAM Opto Semiconductors

LED OSLO Square CSSRM2/CSSRM3  
 FWHM / FWTM 28.0° / 48.0°  
 Efficiency 94 %  
 Peak intensity 3.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

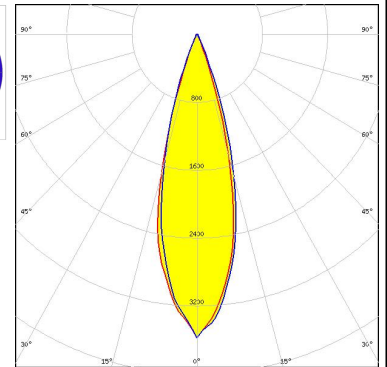
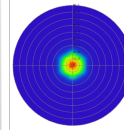
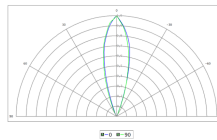


#### OSRAM Opto Semiconductors

LED OSLO Square EC  
 FWHM / FWTM 29.0°  
 Efficiency %  
 Peak intensity 3.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

#### OSRAM Opto Semiconductors

LED SFH 4170S  
 FWHM / FWTM 28.0° / 44.0°  
 Efficiency 88 %  
 LEDs/each optic 1  
 Light colour IR  
 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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