

## IRIS

~10° spot beam with holder

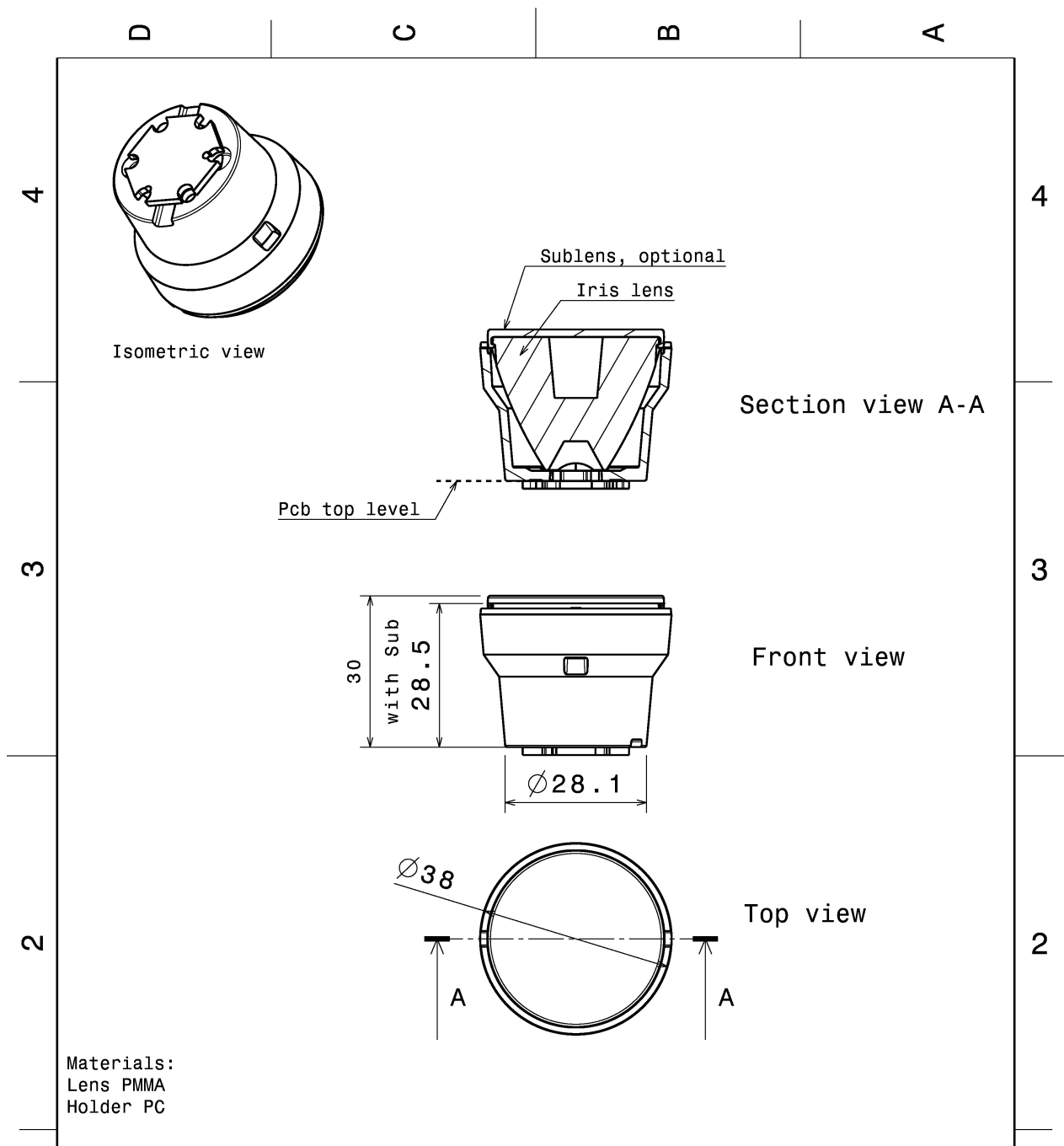
### TECHNICAL SPECIFICATIONS:


Dimensions	Ø 38.0 mm
Height	28.5 mm
Fastening	glue, screw
Colour	black
Box size	
Box weight	0 kg
Quantity in Box	580 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
IRIS	Single lens	PMMA	clear
IRIS-HLD	Holder	PC	black

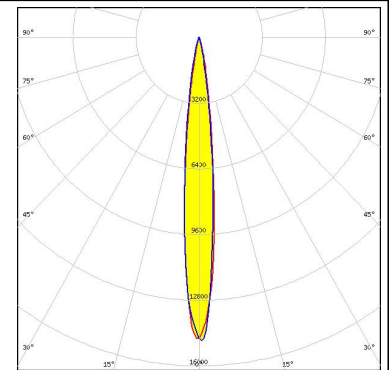


This drawing is our property. It can't be reproduced or communicated without our written agreement.				Ledil Oy Salorankatu 10 FIN-24100 SALO Finland	
DRAWING TITLE		Datasheet Iris MC/ Ostar assy			
DRAWN BY	DATE	SIZE	DRAWING NUMBER		REV
a	13.4.2012	A4	-		1
CHECKED BY	DATE	SCALE	WEIGHT (g)	SHEET	
x x	13.4.2012	1:1		1/1	
DESIGNED BY	DATE				

### PHOTOMETRIC DATA (MEASURED):

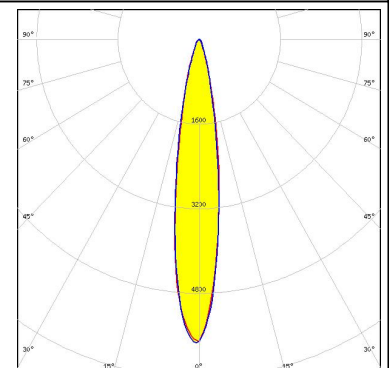
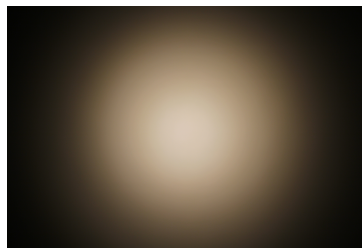
#### CREE

LED MC-E  
FWHM 11.0°  
Efficiency 89 %  
Peak intensity 15.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



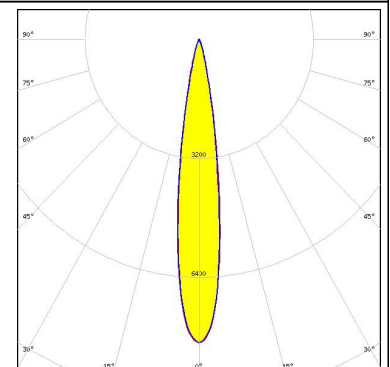
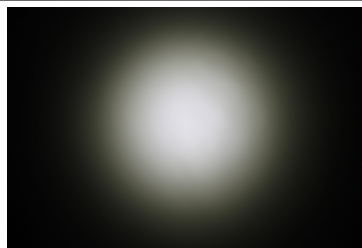
#### CREE

LED MHD-E/G  
FWHM 17.0°  
Efficiency 91 %  
Peak intensity 5.700 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



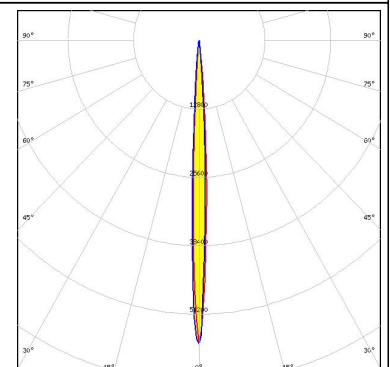
#### CREE

LED XHP50.2  
FWHM 16.0°  
Efficiency 83 %  
Peak intensity 8.200 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### LUMILEDS

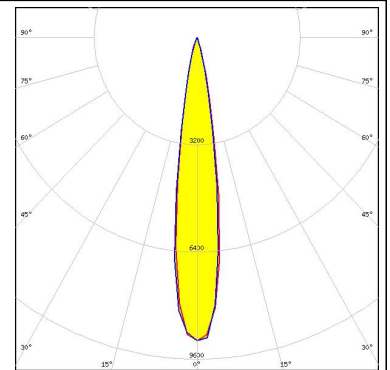
LED LUXEON CZ  
FWHM 5.0°  
Efficiency 80 %  
Peak intensity 57.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### PHOTOMETRIC DATA (MEASURED):

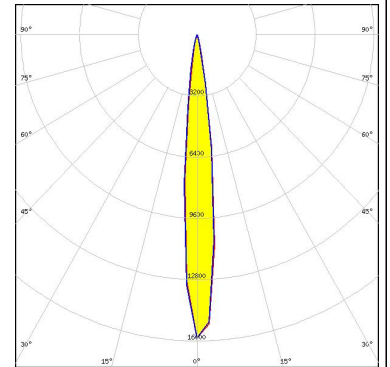
#### LUMILEDS

LED LUXEON M/MX  
 FWHM 16.0°  
 Efficiency 87 %  
 Peak intensity 9.100 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



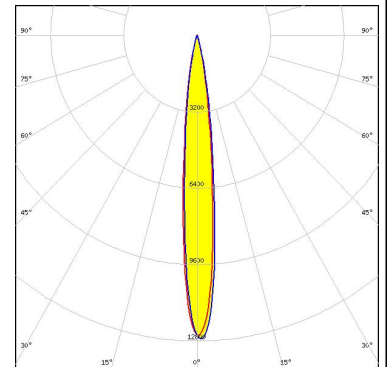
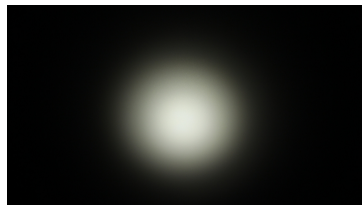
#### LUMILEDS

LED LUXEON MZ  
 FWHM 12.0°  
 Efficiency 82 %  
 Peak intensity 15.840 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



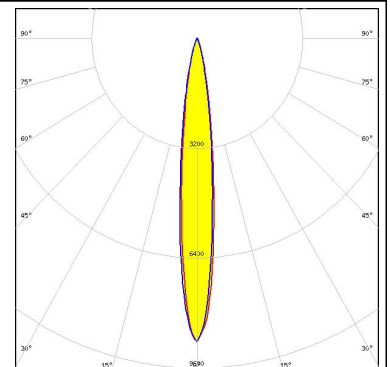
#### NICHIA

LED NFMW48xA  
 FWHM 12.0°  
 Efficiency 84 %  
 Peak intensity 12.800 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM

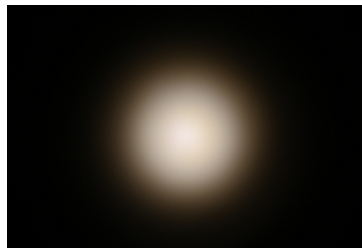
LED Duris S10  
 FWHM 13.0°  
 Efficiency 79 %  
 Peak intensity 8.800 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



## PHOTOMETRIC DATA (MEASURED):

**OSRAM**  
Opto Semiconductors

LED Duris S8  
FWHM 11.0°  
Efficiency %  
Peak intensity cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



**SEOL**  
SEOUL SEMICONDUCTOR

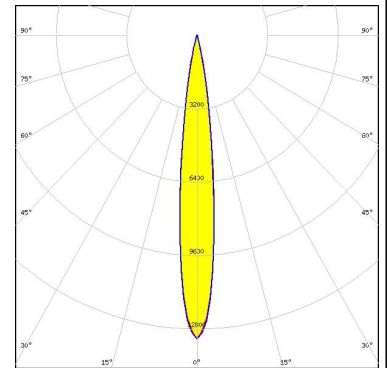
LED Z5M1/Z5M2  
FWHM 7.0°  
Efficiency 83 %  
Peak intensity 40.400 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### PHOTOMETRIC DATA (SIMULATED):



**LED** Bridgelux SMD 5050  
**FWHM** 13.0°  
**Efficiency** 91 %  
**Peak intensity** 13.230 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**

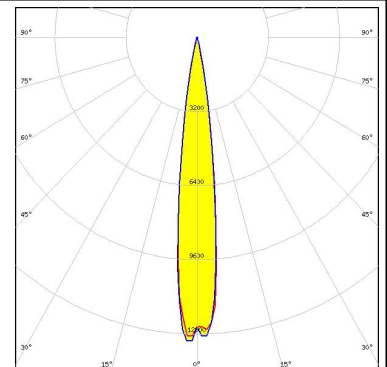


**LED** LUXEON 5258  
**FWHM** 11.0°  
**Efficiency** 89 %  
**Peak intensity** 17.800 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



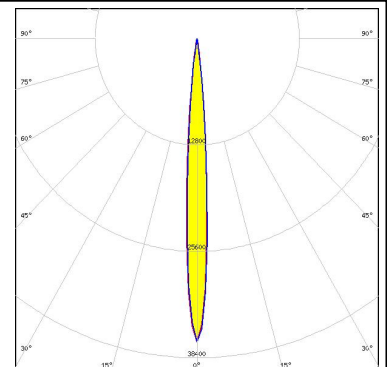
Opto Semiconductors

**LED** OSCONIQ P 7070  
**FWHM** 14.0°  
**Efficiency** 87 %  
**Peak intensity** 13.500 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**

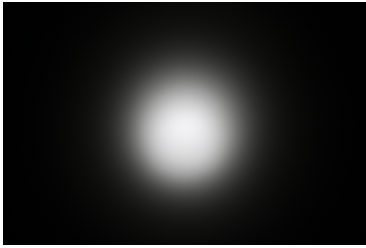
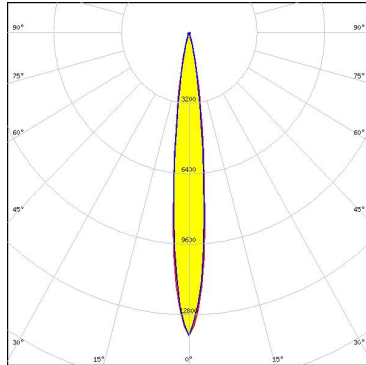
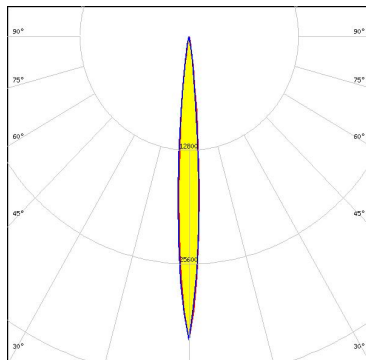
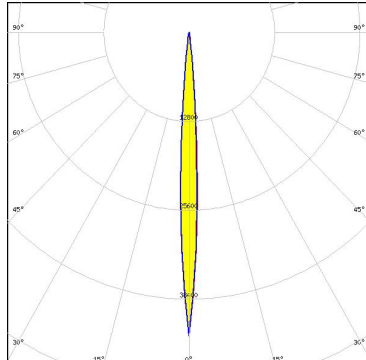


Opto Semiconductors

**LED** OSLOM Square CSSRM2/CSSRM3  
**FWHM** 7.9°  
**Efficiency** 89 %  
**Peak intensity** 36.500 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



### PHOTOMETRIC DATA (SIMULATED):

<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSLO<sup>®</sup> Square Flat            FWHM 12.0°            Efficiency 87 %            Peak intensity 13.800 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED SFH 4770S            FWHM 8.1°            Efficiency 91 %            Peak intensity 3.410 cd/lm            LEDs/each optic 1            Light colour IR            Required components:</p>		
<p><b>SEOL</b> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22P            FWHM 6.0°            Efficiency 89 %            Peak intensity 43.690 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

### 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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