

## HEIDI-SS

~15° smooth spot beam optimized for LUXEON Rebel ES

### TECHNICAL SPECIFICATIONS:

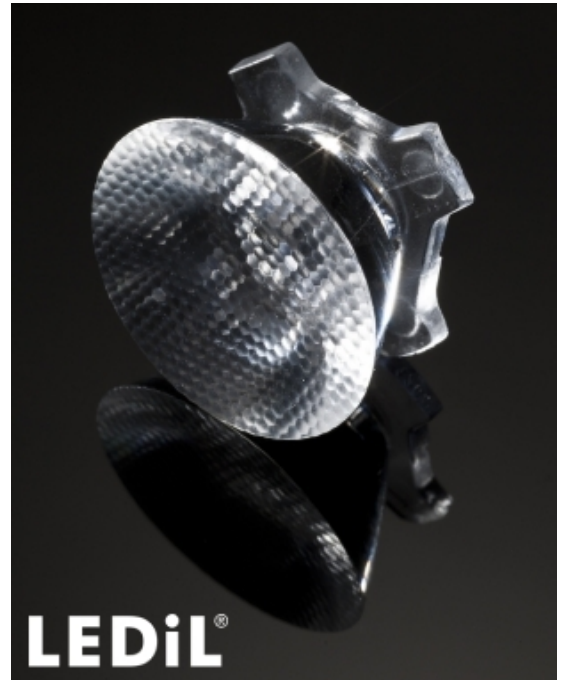
Dimensions	Ø 21.6 mm
Height	11.7 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

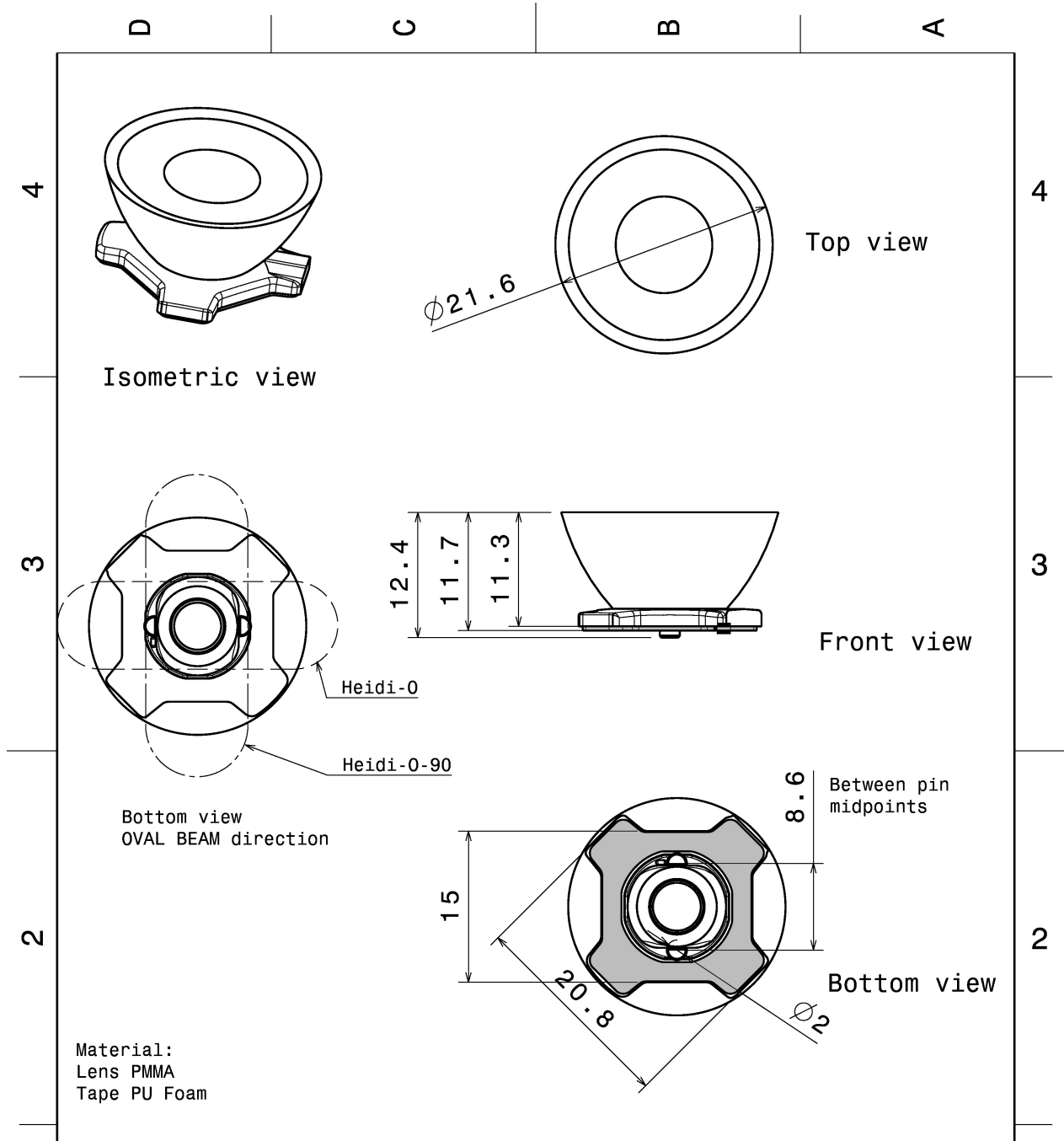
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
HEIDI-SS	Single lens	PMMA	clear	
HEIDI-TAPE	Tape	PU tape	black	

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12443_HEIDI-SS	Single lens	3264	204	204	11.1
» Box size: 480 x 280 x 300 mm					





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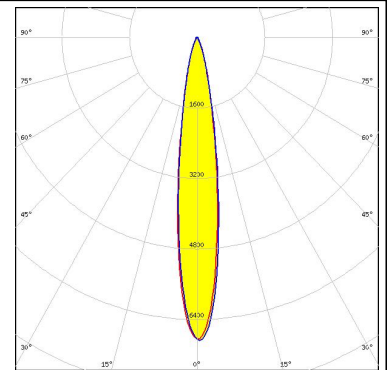
Ledil Oy  
Salorankatu 10  
FIN-24100 SALO  
Finland

DRAWN BY ah		DATE 1.2.2012	DRAWING TITLE Datasheet Heidi-Series Assy		
CHECKED BY	DATE	SIZE A4	DRAWING NUMBER		REV 2
DESIGNED BY	DATE	SCALE 2:1	WEIGHT (g)	SHEET 1/1	

#### PHOTOMETRIC DATA (MEASURED):



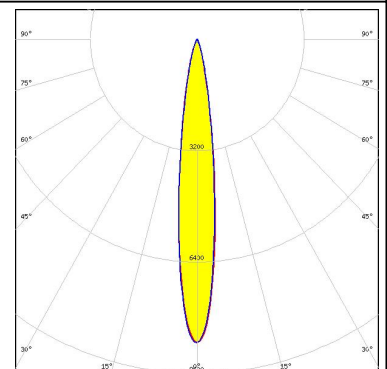
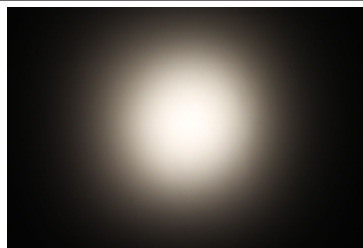
LED XP-G3  
 FWHM 16.0°  
 Efficiency 94 %  
 Peak intensity 6.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON R  
 FWHM 16.0°  
 Efficiency 91 %  
 Peak intensity 6.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



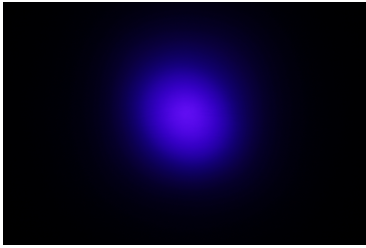
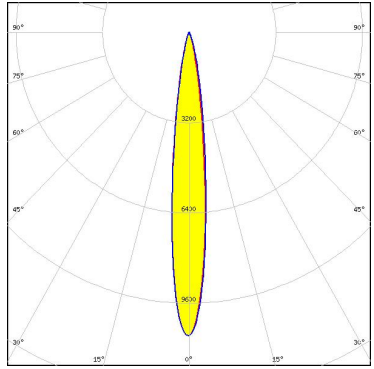

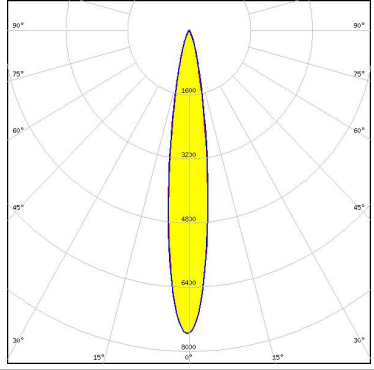

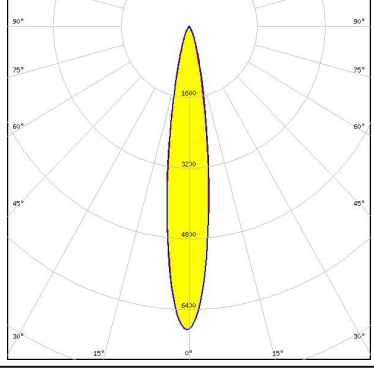

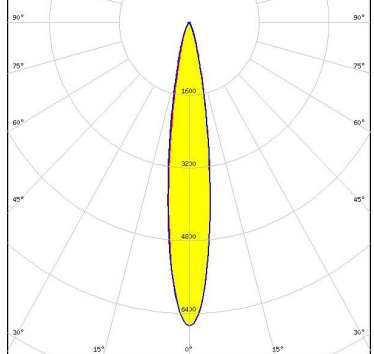
LED LUXEON Rebel  
 FWHM 14.0°  
 Efficiency 89 %  
 Peak intensity 8.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



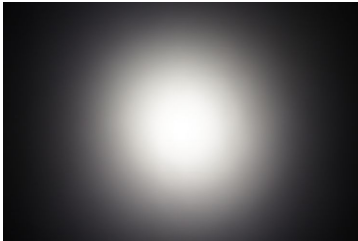
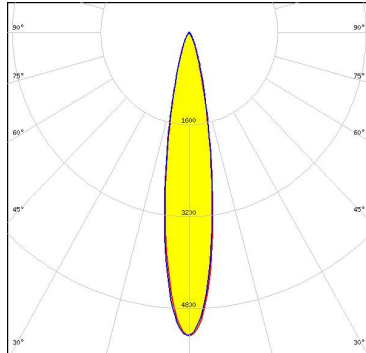

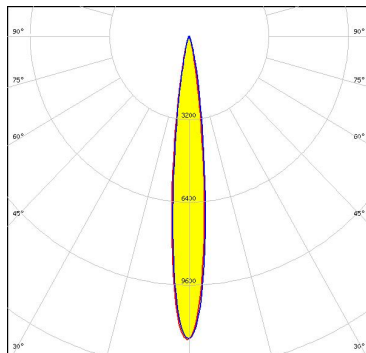

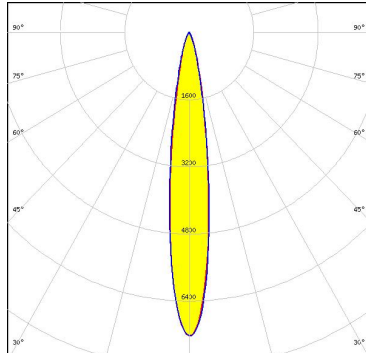
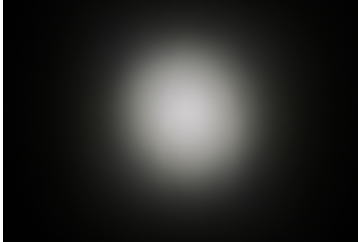
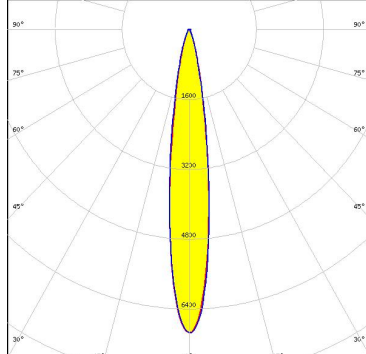
LED LUXEON Rebel ES  
 FWHM 14.0°  
 Efficiency 91 %  
 Peak intensity 6.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

<p><b>LUMINUS</b></p> <p>LED SST-10-B130            FWHM 13.0°            Efficiency 95 %            Peak intensity 10.8 cd/lm            LEDs/each optic 1            Light colour Blue            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NVSW219D            FWHM 15.0°            Efficiency 94 %            Peak intensity 7.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NVSW319B            FWHM 16.0°            Efficiency 94 %            Peak intensity 6.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NVSW3x9A            FWHM 16.0°            Efficiency 92 %            Peak intensity 6.7 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

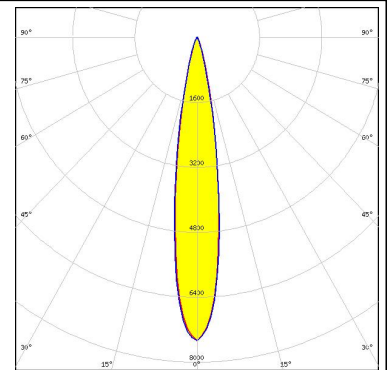
### PHOTOMETRIC DATA (MEASURED):

<p><b>NICHIA</b></p> <p>LED NWSx229A            FWHM 18.0°            Efficiency 86 %            Peak intensity 5.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSOLON SSL 150            FWHM 12.0°            Efficiency 91 %            Peak intensity 11.7 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>SEOL</b> SEOUL SEMICONDUCTOR</p> <p>LED Z5M3            FWHM 15.0°            Efficiency 94 %            Peak intensity 7.2 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>SEOL</b> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22P            FWHM 15.0°            Efficiency 94 %            Peak intensity 6.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

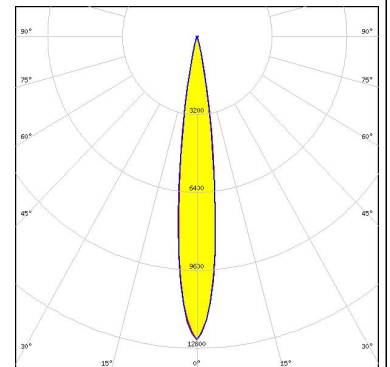
### PHOTOMETRIC DATA (SIMULATED):



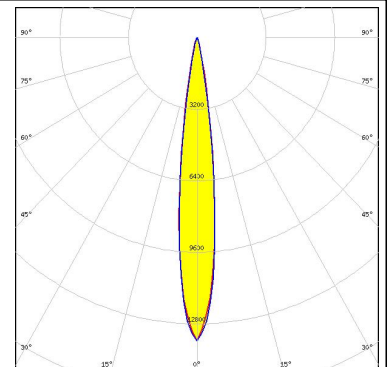
LED XP-G2 HE  
 FWHM 17.0°  
 Efficiency 94 %  
 Peak intensity 7.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



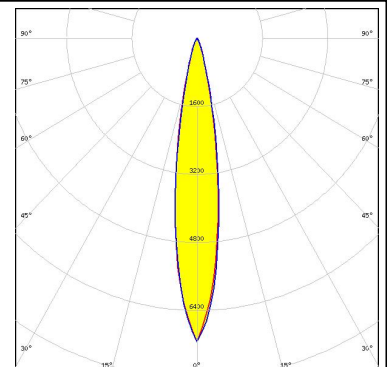
LED LUXEON SunPlus 20 Line (150 deg)  
 FWHM 14.0°  
 Efficiency 93 %  
 Peak intensity 12.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON SunPlus 35 Line  
 FWHM 14.0°  
 Efficiency 94 %  
 Peak intensity 13.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



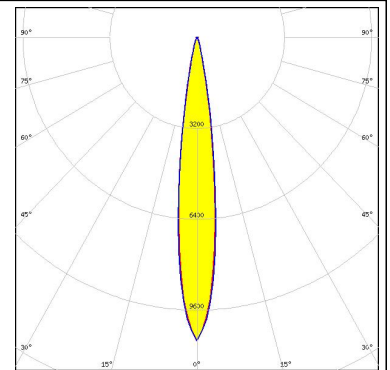
LED NV4WB35AM  
 FWHM 17.0°  
 Efficiency 96 %  
 Peak intensity 7.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



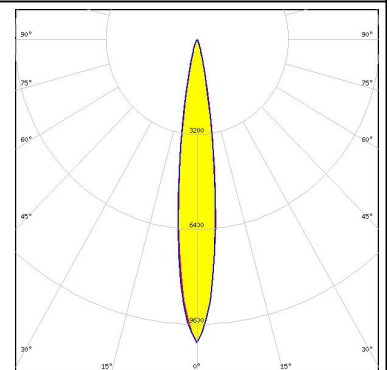
#### PHOTOMETRIC DATA (SIMULATED):



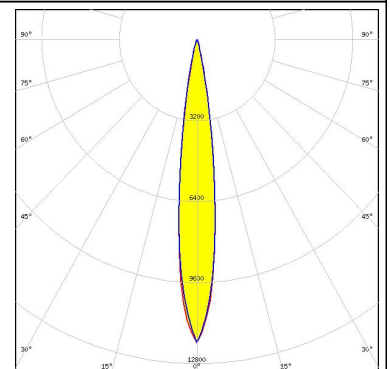
**LED** NVSxE21A  
**FWHM** 14.0°  
**Efficiency** 94 %  
**Peak intensity** 11.2 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



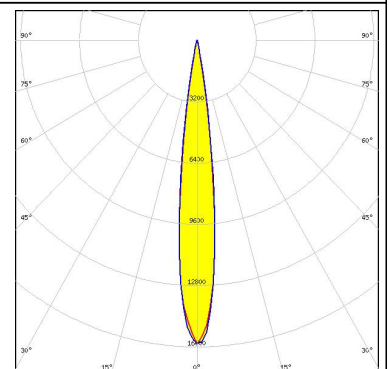
**LED** OSCONIQ P 3737 Flat  
**FWHM** 14.0°  
**Efficiency** 96 %  
**Peak intensity** 10.2 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



**LED** OSLON Black  
**FWHM** 14.0°  
**Efficiency** 94 %  
**Peak intensity** 12 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



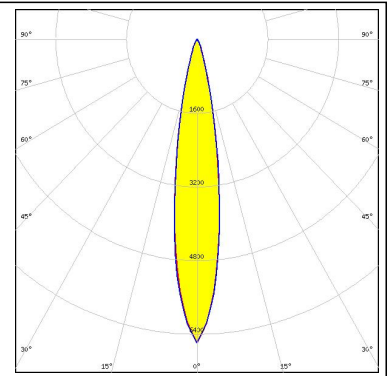
**LED** OSLON Black Flat  
**FWHM** 13.0°  
**Efficiency** 94 %  
**Peak intensity** 15.8 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



## PHOTOMETRIC DATA (SIMULATED):

### SAMSUNG

LED	LH351D
FWHM	18.0°
Efficiency	94 %
Peak intensity	6.6 cd/lm
LEDs/each optic	1
Light colour	White
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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