

## LR2-D

~14° diffused spot beam optimized for LUXEON Rebel ES. 14.8 mm high assembly with installation tape.

### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 21.6 mm
Height	14.8 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

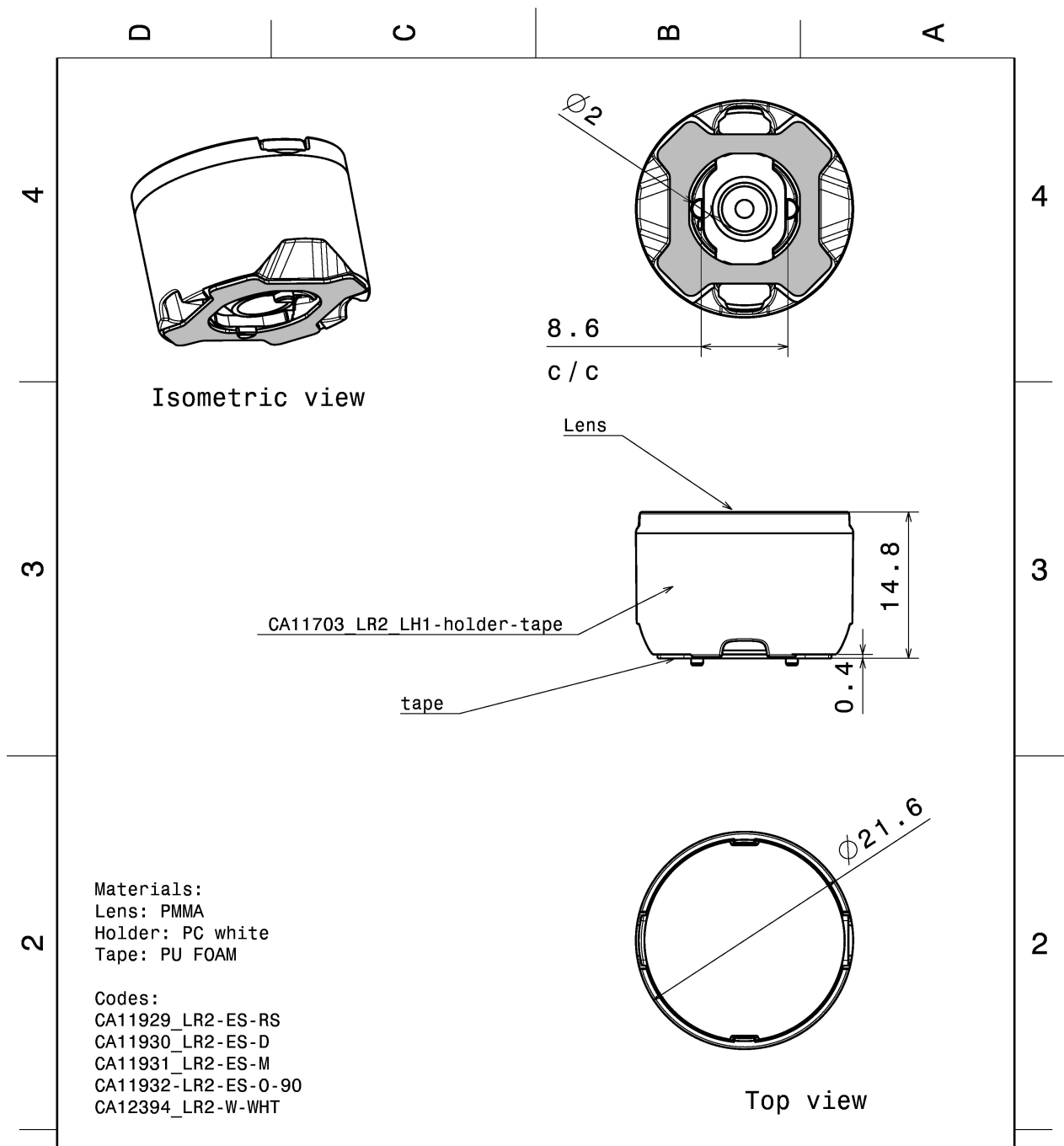
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
LXP2-D	Single lens	PMMA	clear	
LR2-ES-LH1-HLD	Holder	PC	white	
HEIDI-TAPE	Tape	PU tape	black	

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11930_LR2-D	Single lens	1680	336	112	9.6
» Box size: 480 x 280 x 300 mm					



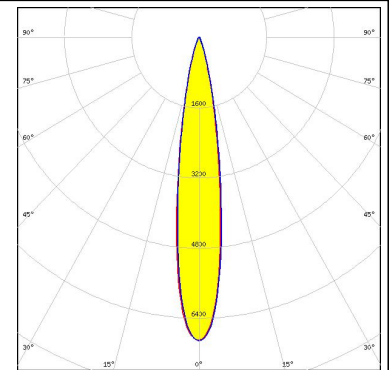


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DRAWING TITLE		Datasheet LR2-ES series assy	
DRAWN BY a	DATE 21.11.2011	SIZE A4	DRAWING NUMBER -
CHECKED BY s n	DATE 21.11.2011	SCALE 1:1	REV 2
DESIGNED BY pl	DATE 27.08.2010	WEIGHT (g)	SHEET 1/1

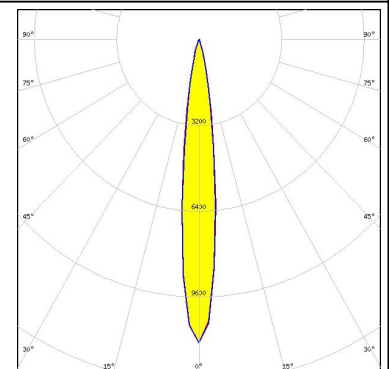
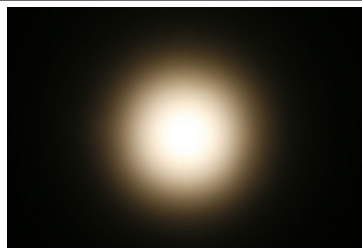
### PHOTOMETRIC DATA (MEASURED):



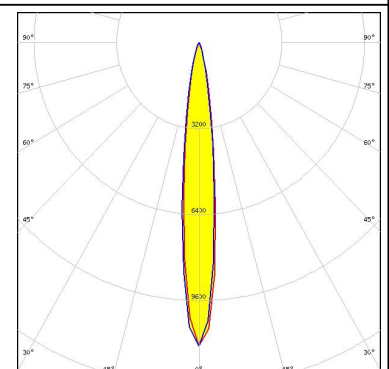
LED XP-L HD  
 FWHM 17.0°  
 Efficiency 92 %  
 Peak intensity 6.9 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON Rebel ES  
 FWHM 14.0°  
 Efficiency 92 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON T  
 FWHM 14.0°  
 Efficiency 94 %  
 Peak intensity 7 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON TX  
 FWHM 13.0°  
 Efficiency 90 %  
 Peak intensity 11.3 cd/Im  
 LEDs/each optic 1  
 Light colour White  
 Required components:

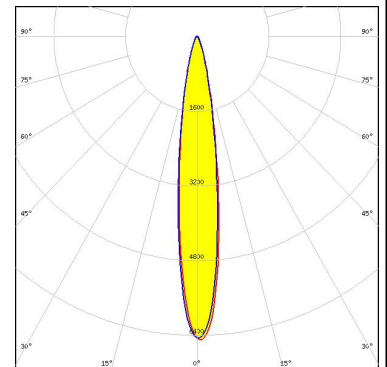
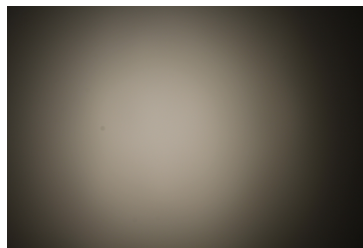
### PHOTOMETRIC DATA (MEASURED):



LED LUXEON Z ES  
FWHM 10.0°  
Efficiency 90 %  
Peak intensity 15.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

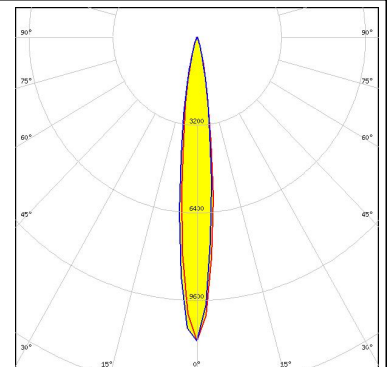
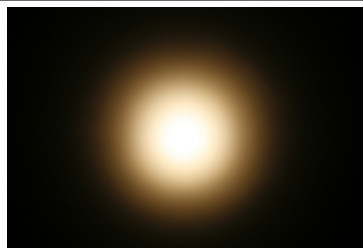


LED NVSxx19B/NVSxx19C  
FWHM 15.0°  
Efficiency 92 %  
Peak intensity 6.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



Opto Semiconductors

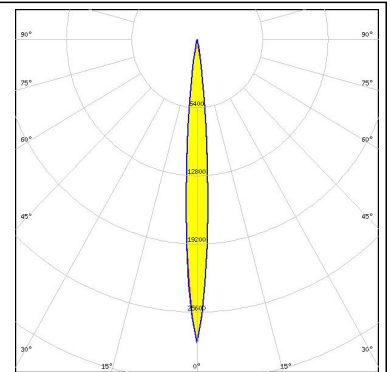
LED OSLON Square EC  
FWHM 12.0°  
Efficiency 91 %  
Peak intensity 11.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



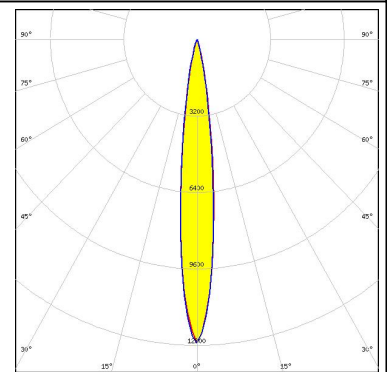
### PHOTOMETRIC DATA (SIMULATED):



LED XQ-E HD  
FWHM 9.0°  
Efficiency 92 %  
Peak intensity 28 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED LUXEON H50-2  
FWHM 12.5°  
Efficiency 93 %  
Peak intensity 12.6 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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