


## LR2-M

~25° medium beam optimized for LUXEON Rebel ES. 14.8 mm high assembly with installation tape.

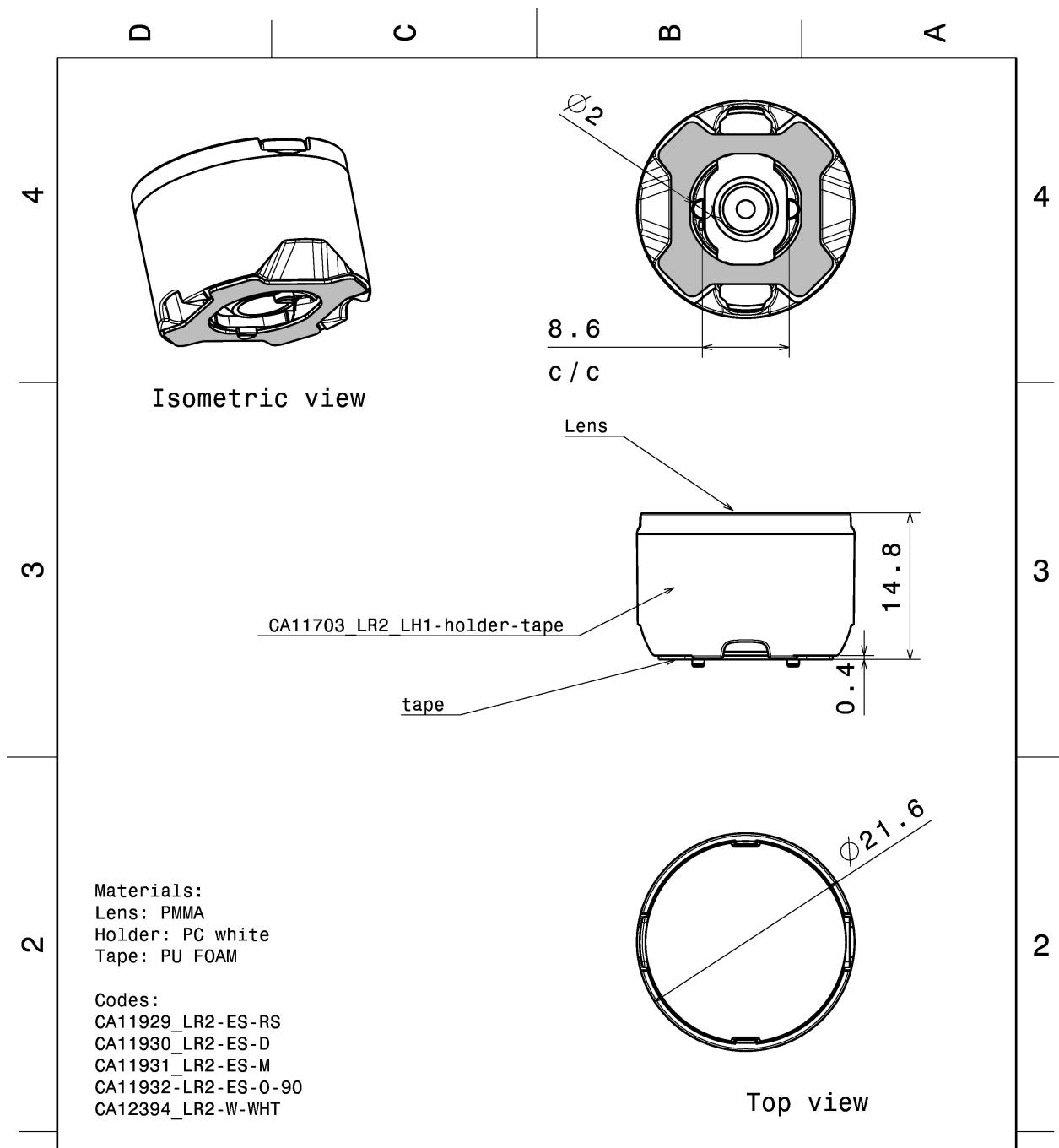
### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 21.6 mm
Height	14.8 mm
Fastening	tape, pin
Colour	white
Box size	480 x 280 x 300 mm
Box weight	9 kg
Quantity in Box	1680 pcs
ROHS compliant	yes 



### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
LXP2-M	Lens	PMMA	clear
LR2-ES-LH1-HLD	Holder	PC	white
HEIDI-TAPE	Tape	PU tape	black

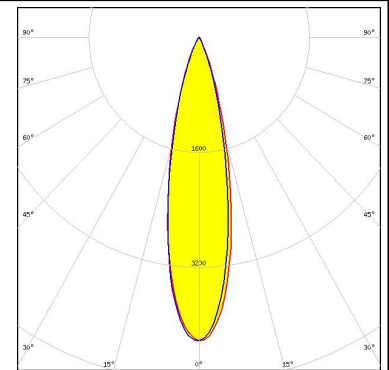


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DRAWN BY a		DATE 21.11.2011	
CHECKED BY s n		DATE 21.11.2011	
DESIGNED BY pl		DATE 27.08.2010	
DRAWING TITLE Datasheet LR2-ES series assy		SIZE A4	DRAWING NUMBER -
SCALE 1:1		WEIGHT (g)	REV 2
SHEET 1/1			

**PHOTOMETRIC DATA (MEASURED):**



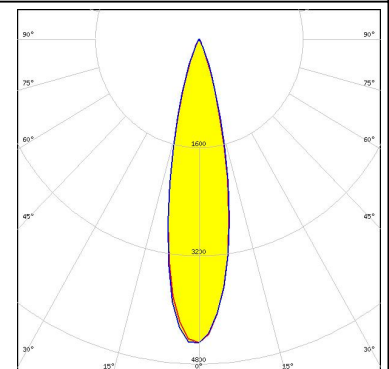
LED XP-L  
FWHM 24.0°  
Efficiency 90 %  
Peak intensity 4.230 cd/lm  
Required components:



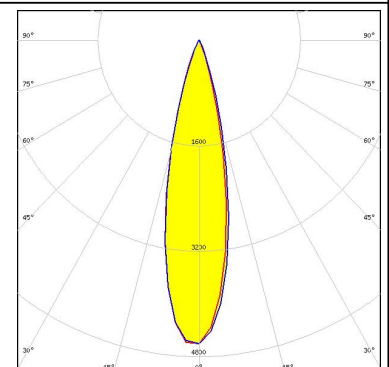
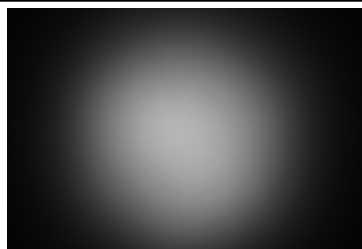
LED LUXEON Rebel ES  
FWHM 22.0°  
Efficiency 92 %  
Peak intensity 0.000 cd/lm  
Required components:



LED LUXEON T  
FWHM 25.0°  
Efficiency 90 %  
Peak intensity 4.400 cd/lm  
Required components:



LED LUXEON TX  
FWHM 24.0°  
Efficiency 90 %  
Peak intensity 4.600 cd/lm  
Required components:



### PHOTOMETRIC DATA (MEASURED):



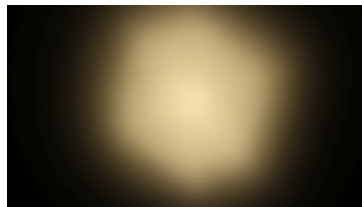
LED LUXEON Z ES

FWHM 23.0°

Efficiency 90 %

Peak intensity 5.200 cd/lm

Required components:



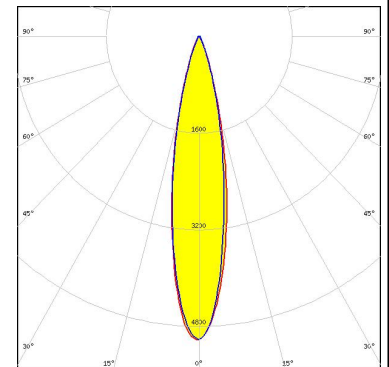
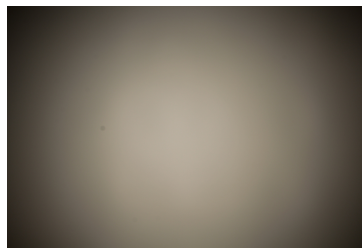
LED NVSxx19B/NVSxx19C

FWHM 22.0°

Efficiency 94 %

Peak intensity 5.000 cd/lm

Required components:



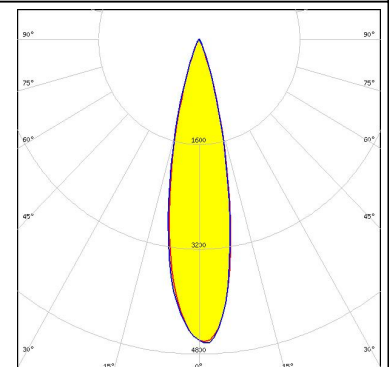
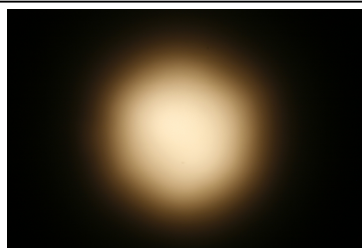
LED Oslon Square EC

FWHM 25.0°

Efficiency 89 %

Peak intensity 4.700 cd/lm

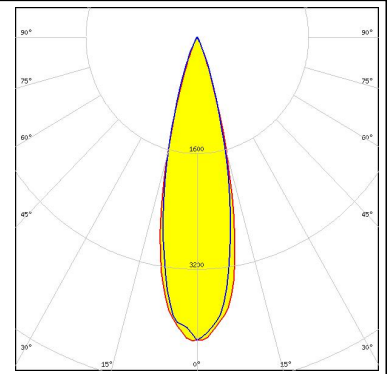
Required components:



## PHOTOMETRIC DATA (SIMULATED):



LED LUXEON H50-2  
FWHM 25.0°  
Efficiency 92 %  
Peak intensity 4.200 cd/lm  
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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