

LR2-O-90

~10° x 40° oval beam optimized for LUXEON Rebel ES. 14.8 mm high assembly with installation tape. Variant with beam direction rotated 90°.

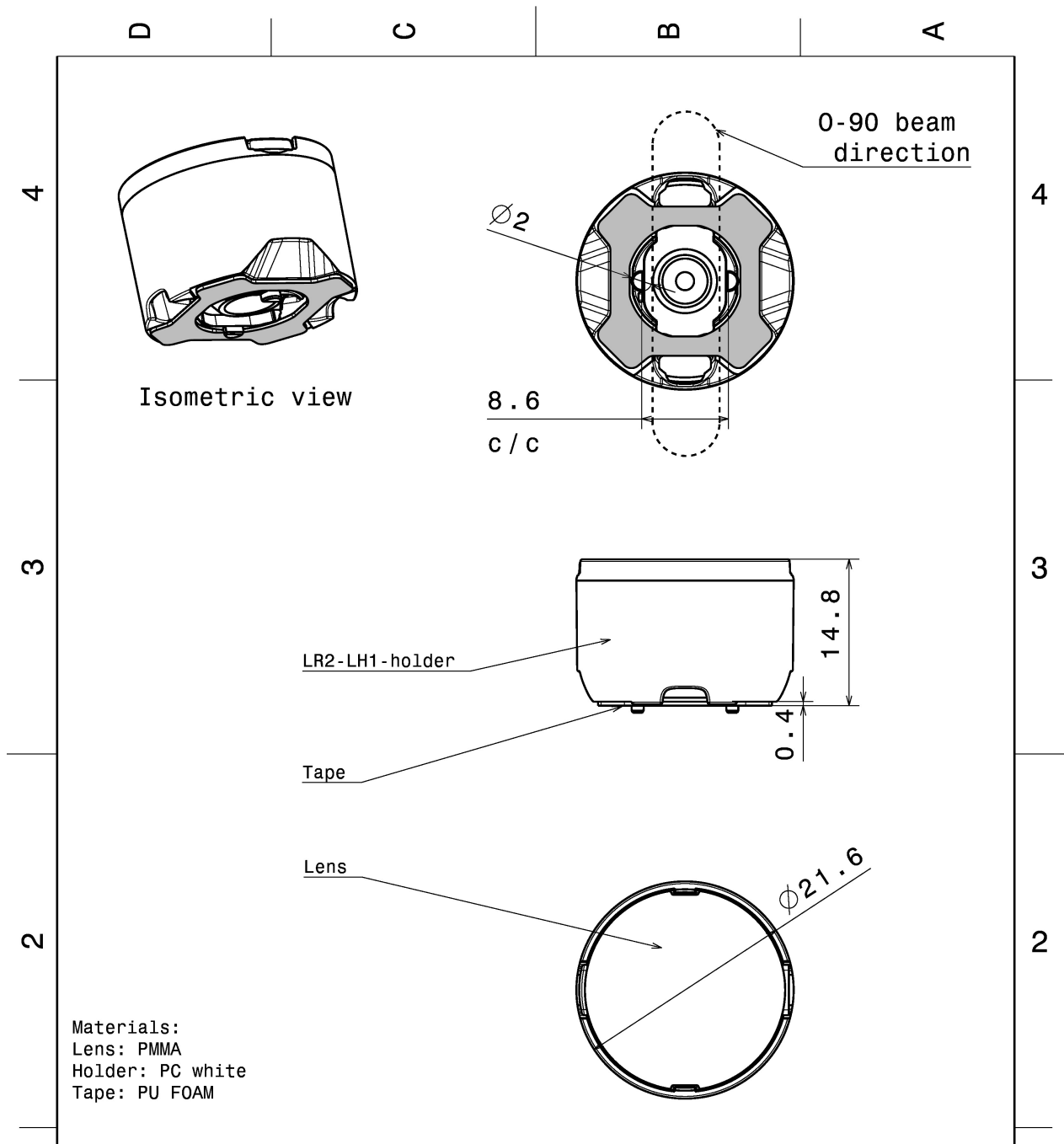
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 21.6 mm
Height	14.8 mm
Fastening	tape, pin
Colour	white
Box size	480 x 280 x 300 mm
Box weight	10 kg
Quantity in Box	1680 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
LXP2-O-90	Lens	PMMA	clear
LR2-ES-LH1-HLD	Holder	PC	white
HEIDI-TAPE	Tape	PU tape	black

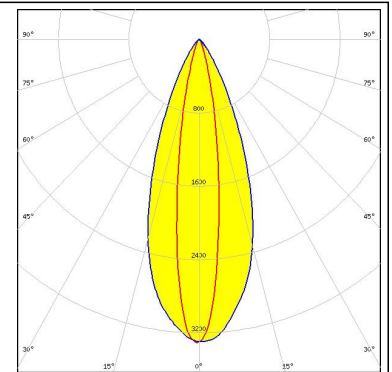


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DRAWING TITLE		Datasheet LR2-ES series			
DRAWN BY ah	DATE 27.1.2012	SIZE A4	DRAWING NUMBER		REV 3
CHECKED BY sn	DATE 27.1.2012	SCALE 1:1	WEIGHT (g)	SHEET 1/1	
DESIGNED BY pl	DATE 27.08.2010				

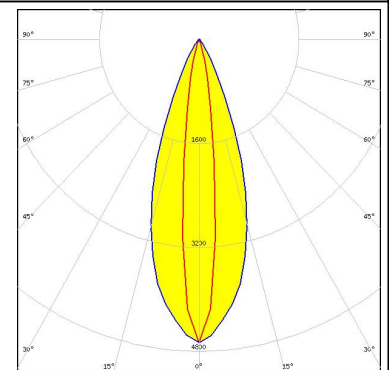
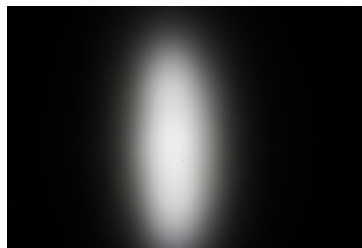
PHOTOMETRIC DATA (MEASURED):



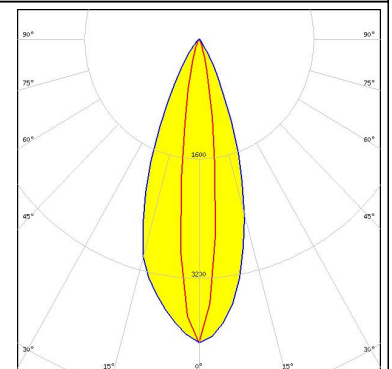
LED XP-L
 FWHM 16.0 + 39.0°
 Efficiency 89 %
 Peak intensity 3.300 cd/lm
 Required components:



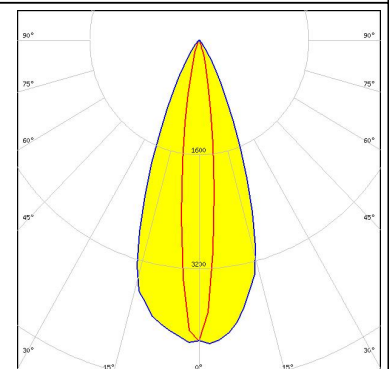
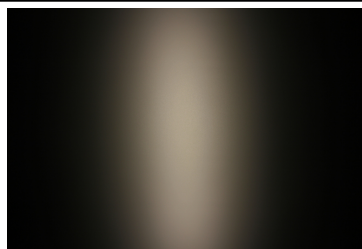
LED LUXEON Rebel ES
 FWHM 13.0 + 36.0°
 Efficiency 92 %
 Peak intensity 4.700 cd/lm
 Required components:



LED LUXEON T
 FWHM 14.0 + 39.0°
 Efficiency 88 %
 Peak intensity 4.100 cd/lm
 Required components:



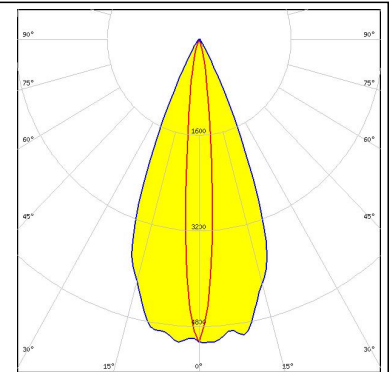
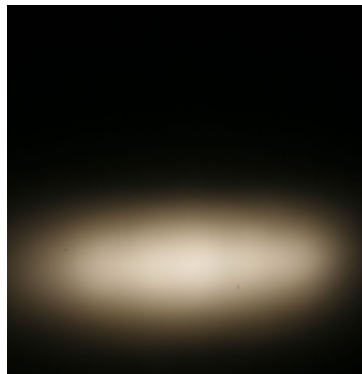
LED LUXEON TX
 FWHM 14.0 + 41.0°
 Efficiency 90 %
 Peak intensity 4.200 cd/lm
 Required components:



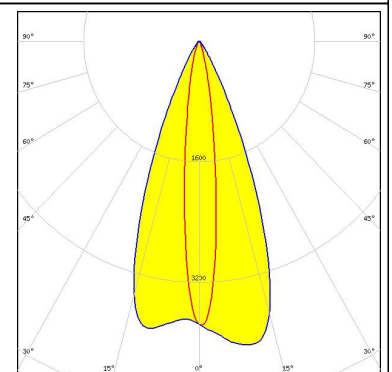
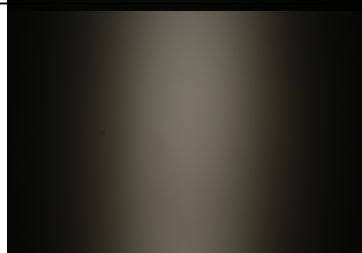
PHOTOMETRIC DATA (MEASURED):



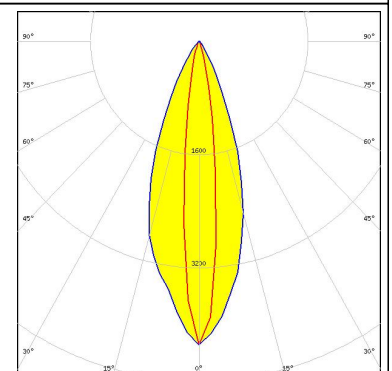
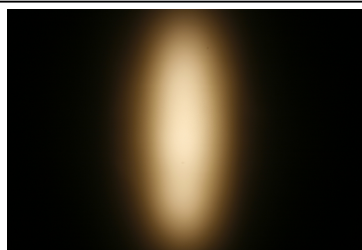
LED LUXEON Z ES
FWHM 10.0 + 40.0°
Efficiency 89 %
Peak intensity 6.000 cd/lm
Required components:



LED NVSxx19B/NVSxx19C
FWHM 13.0 + 43.0°
Efficiency 94 %
Peak intensity 4.100 cd/lm
Required components:



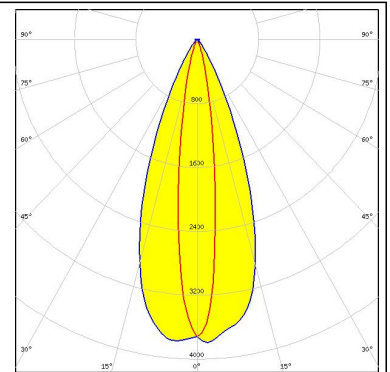
LED Oslon Square EC
FWHM 14.0 + 34.0°
Efficiency 88 %
Peak intensity 4.300 cd/lm
Required components:



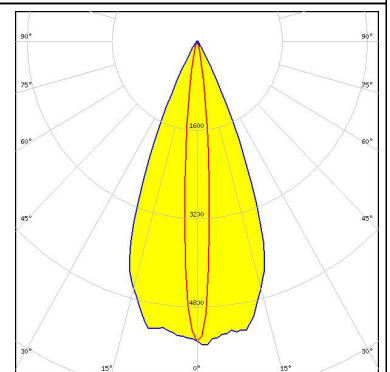
PHOTOMETRIC DATA (SIMULATED):



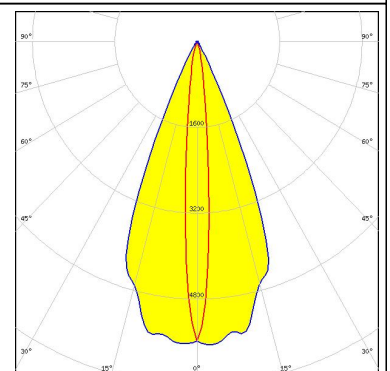
LED XP-G3
FWHM 15.0 + 41.0°
Efficiency 93 %
Peak intensity 3.800 cd/lm
Required components:



LED LUXEON C
FWHM 9.6 + 44.0°
Efficiency 94 %
Peak intensity 5.500 cd/lm
Required components:



LED LUXEON Z
FWHM 9.0 + 45.0°
Efficiency 94 %
Peak intensity 5.700 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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