



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



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°.

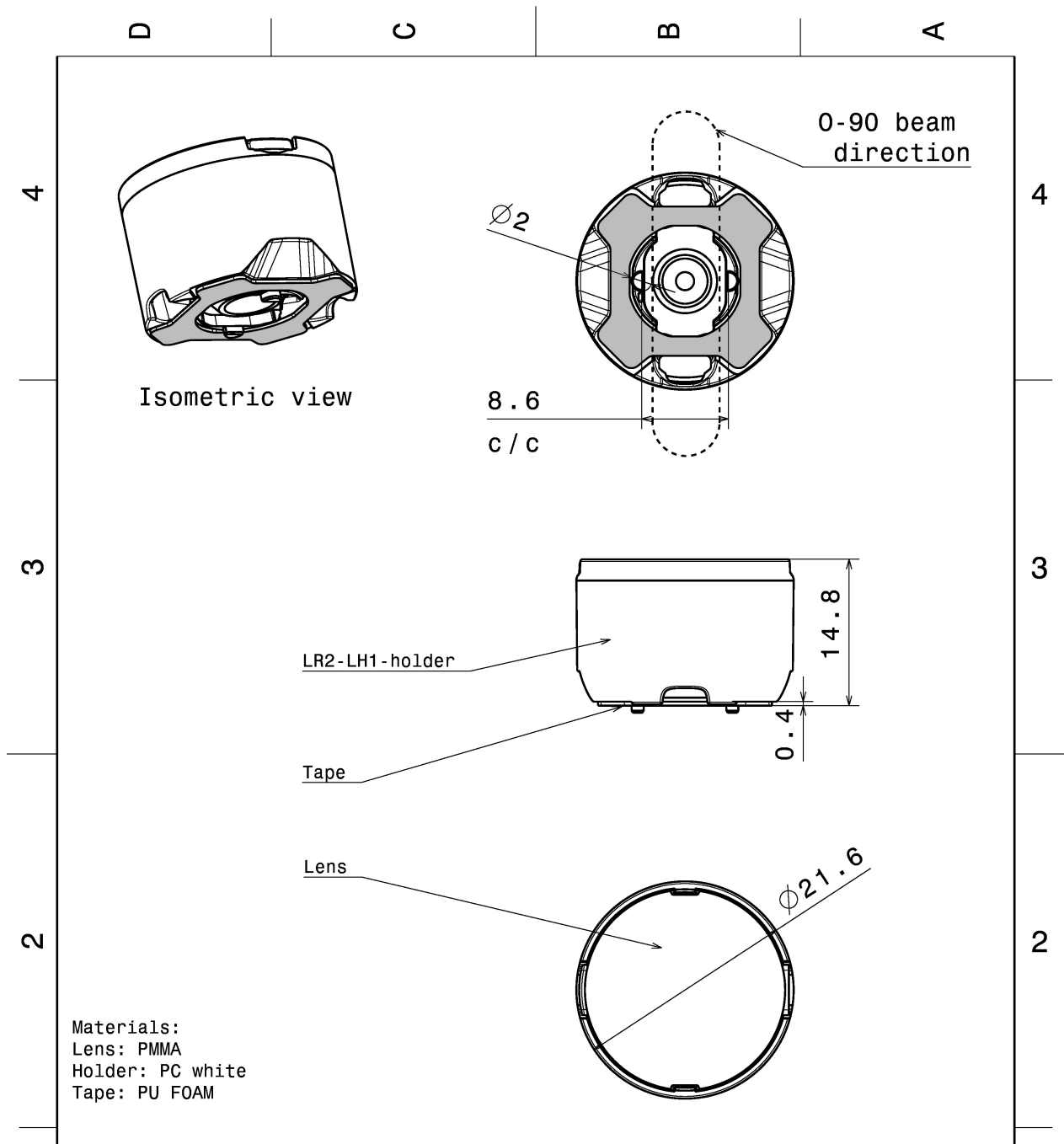
TECHNICAL SPECIFICATIONS:

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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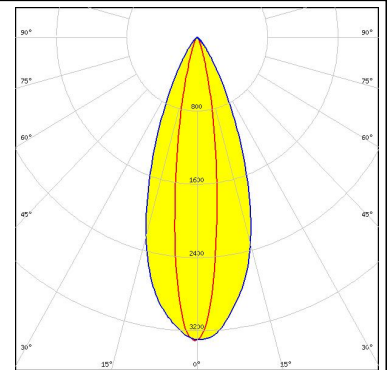
Ledil Oy
 Salorankatu 10
 FIN-24100 SALO
 Finland

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

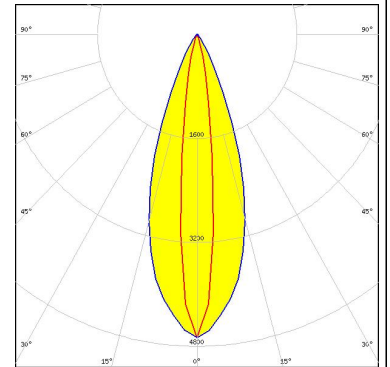
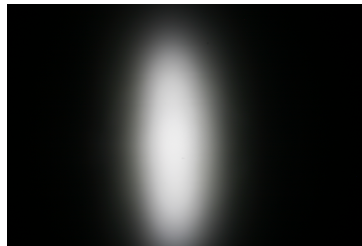
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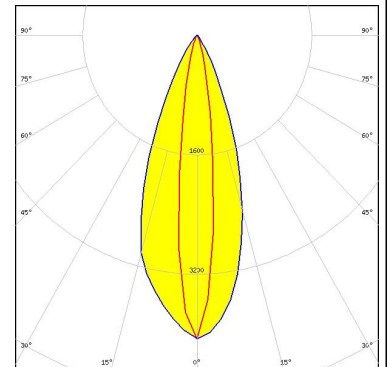
LED XP-L
 FWHM 16.0 + 39.0°
 Efficiency 89 %
 Peak intensity 3.300 cd/lm
 Required components:



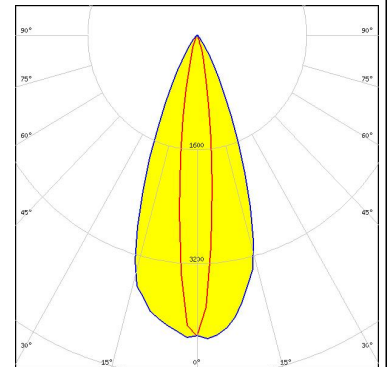
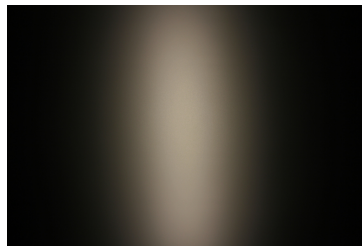
LED LUXEON Rebel ES
 FWHM 13.0 + 36.0°
 Efficiency 92 %
 Peak intensity 4.700 cd/lm
 Required components:



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



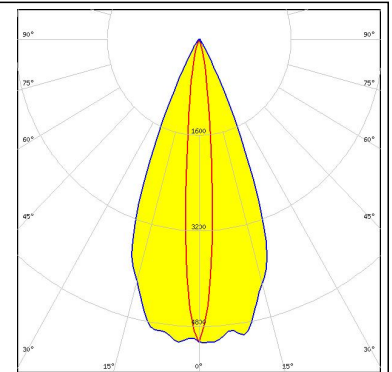
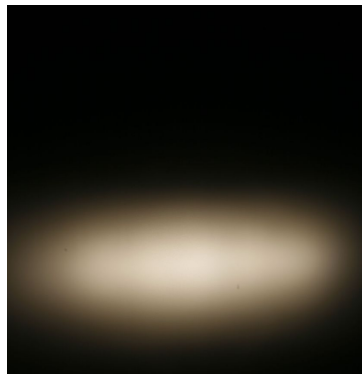
LED LUXEON TX
 FWHM 14.0 + 41.0°
 Efficiency 90 %
 Peak intensity 4.200 cd/lm
 Required components:



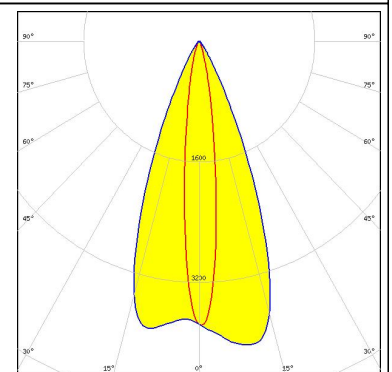
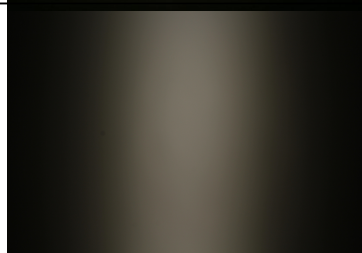
PHOTOMETRIC DATA (MEASURED):



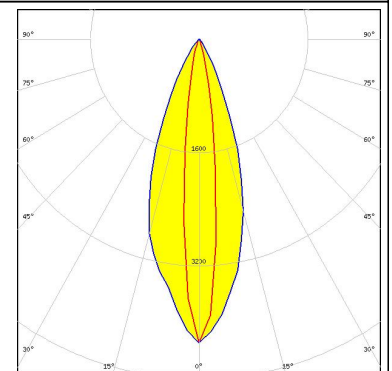
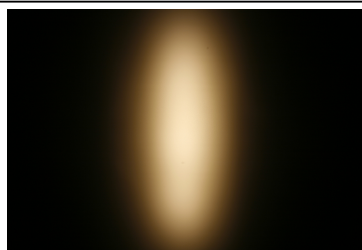
LED LUXEON Z ES
FWHM 10.0 + 40.0°
Efficiency 89 %
Peak intensity 6.000 cd/lm
Required components:



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



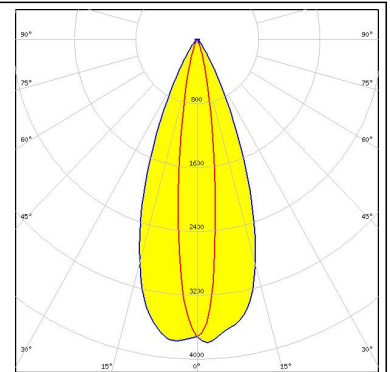
LED Oslon Square EC
FWHM 14.0 + 34.0°
Efficiency 88 %
Peak intensity 4.300 cd/lm
Required components:



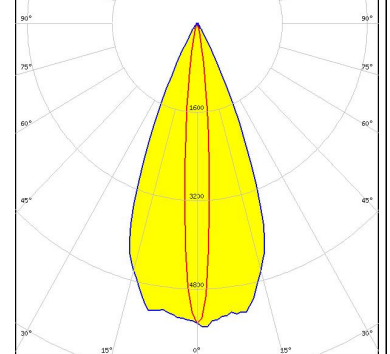
PHOTOMETRIC DATA (SIMULATED):



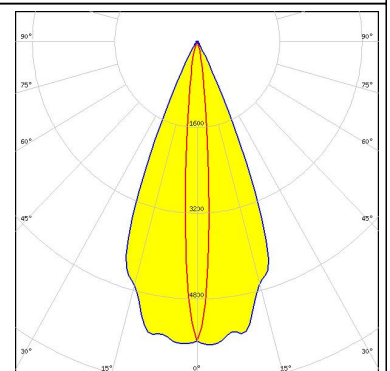
LED XP-G3
FWHM 15.0 + 41.0°
Efficiency 93 %
Peak intensity 3.800 cd/lm
Required components:



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:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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