

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°.

SPECIFICATION:

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

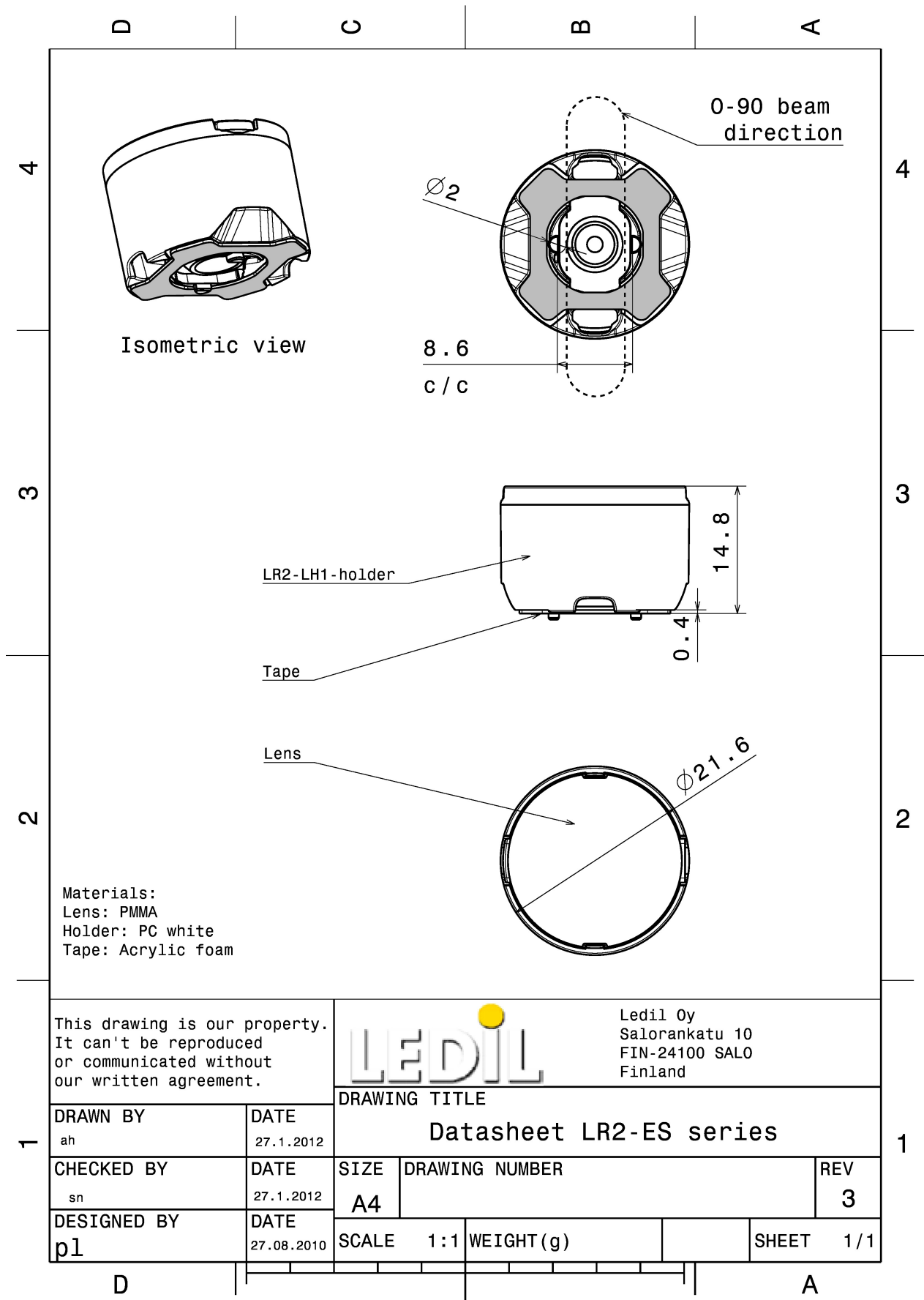


MATERIALS:

Component	Type	Material	Colour	Finish
LXP2-O-90	Single lens	PMMA	clear	
LR2-ES-LH1-HLD	Holder	PC	white	
HEIDI-TAPE	Tape	Acrylic foam	black	


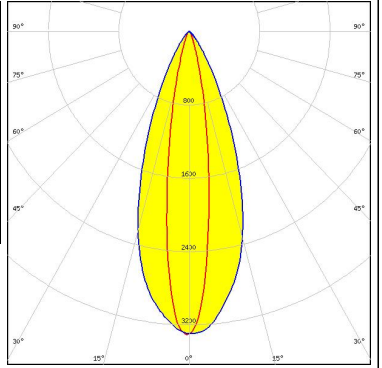

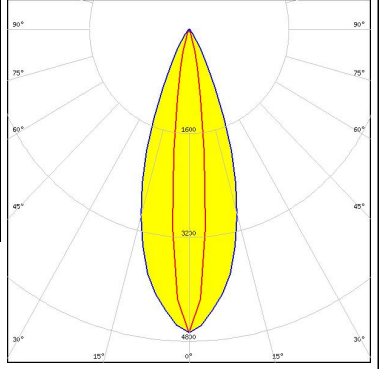

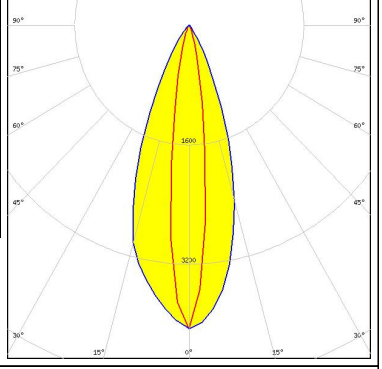
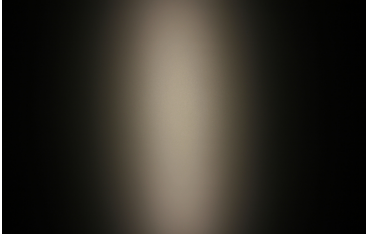
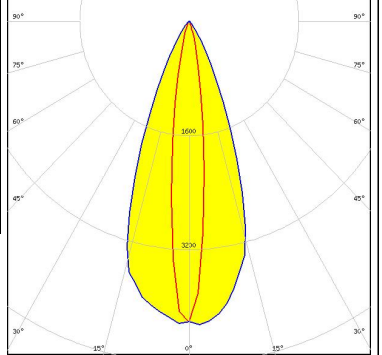
ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
CA12629_LR2-O-90 » Box size: 480 x 280 x 300 mm	Single lens	1680	336	112	10.0


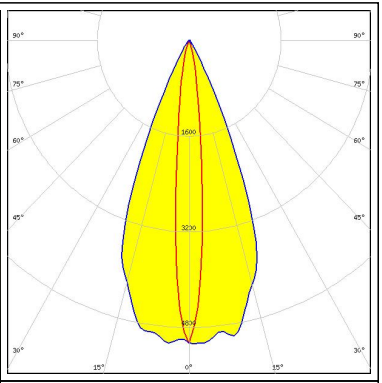

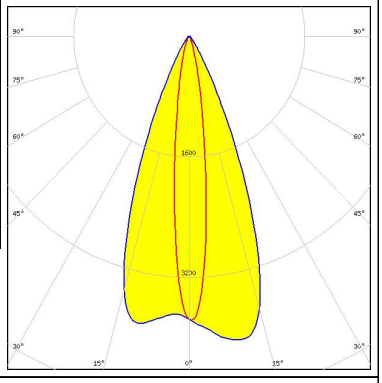

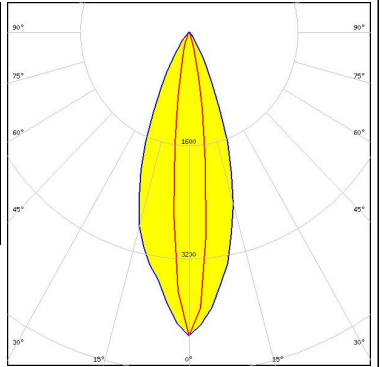


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

<p>CREE LEDs</p> <p>LED: XP-L HD</p> <p>FWHM / FWTM: 16.0 + 39.0° / 35.0 + 67.0°</p> <p>Efficiency: 89 %</p> <p>Peak intensity: 3.3 cd/m</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>		
<p>LUMILEDS</p> <p>LED: LUXEON Rebel ES</p> <p>FWHM / FWTM: 13.0 + 36.0° / 28.0 + 60.0°</p> <p>Efficiency: 92 %</p> <p>Peak intensity: 4.7 cd/m</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>		
<p>LUMILEDS</p> <p>LED: LUXEON T</p> <p>FWHM / FWTM: 14.0 + 39.0° / 30.0 + 64.0°</p> <p>Efficiency: 88 %</p> <p>Peak intensity: 4.1 cd/m</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>		
<p>LUMILEDS</p> <p>LED: LUXEON TX</p> <p>FWHM / FWTM: 14.0 + 41.0° / 30.0 + 63.0°</p> <p>Efficiency: 90 %</p> <p>Peak intensity: 4.2 cd/m</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>		

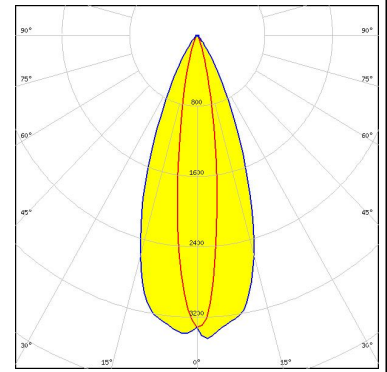
OPTICAL RESULTS (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON Z ES</p> <p>FWHM / FWTM 10.0 + 40.0° / 26.0 + 60.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C</p> <p>FWHM / FWTM 13.0 + 43.0° / 31.0 + 62.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 4.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Square EC</p> <p>FWHM / FWTM 14.0 + 34.0° / 29.0 + 59.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 4.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

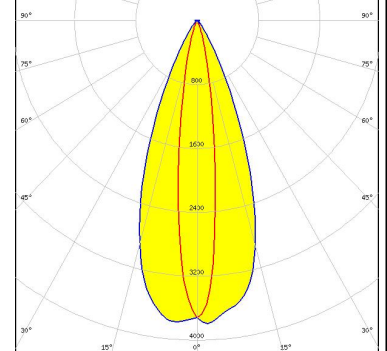
OPTICAL RESULTS (SIMULATED):



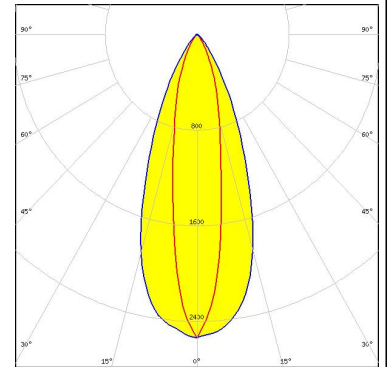
LED XM-L3
 FWHM / FWTM 16.0 + 40.0° / 34.0 + 66.0°
 Efficiency 91 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



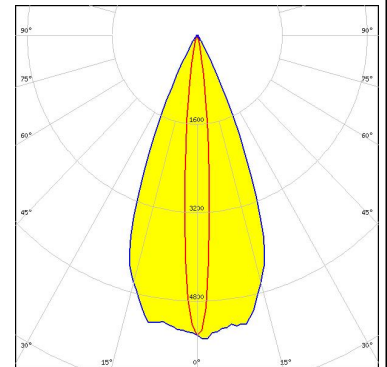
LED XP-G3
 FWHM / FWTM 15.0 + 41.0° / 32.0 + 64.0°
 Efficiency 93 %
 Peak intensity 3.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON 5050 Round LES
 FWHM / FWTM 20.0 + 40.0° / 52.0 + 72.0°
 Efficiency 93 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON C
 FWHM / FWTM 9.6 + 44.0° / 22.0 + 59.0°
 Efficiency 94 %
 Peak intensity 5.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

<p>LUMILEDS</p> <p>LED: LUXEON V2 FWHM / FWTM: 13.0 + 40.0° / 28.0 + 62.0° Efficiency: 93 % Peak intensity: 4.7 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON Z FWHM / FWTM: 9.0 + 45.0° / 21.0 + 57.0° Efficiency: 94 % Peak intensity: 5.7 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED: OSOLON Square CSSRM2/CSSRM3 FWHM / FWTM: 12.0 + 42.0° / 30.0 + 62.0° Efficiency: 94 % Peak intensity: 4.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	