

LR2-D

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

SPECIFICATION:

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

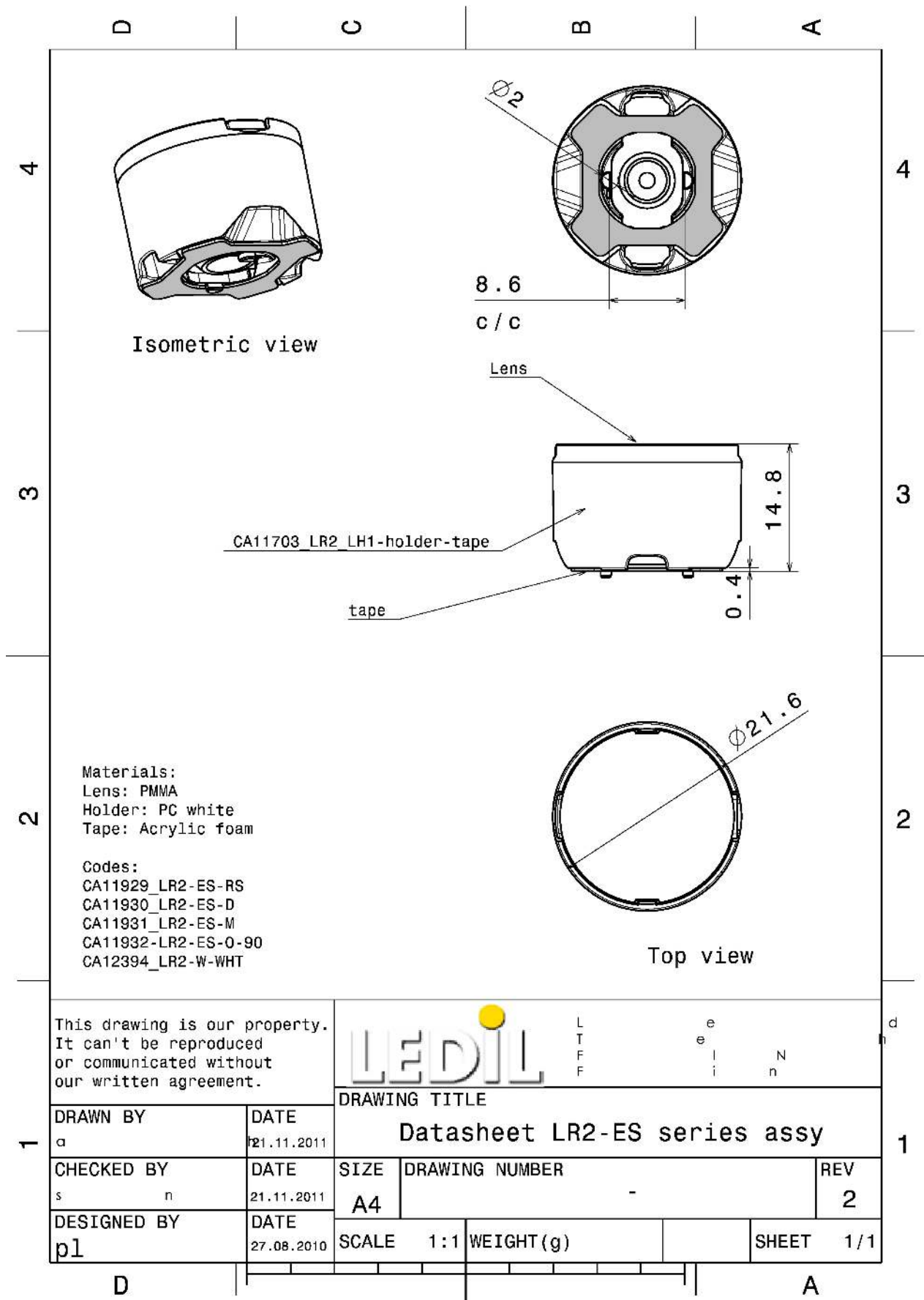
MATERIALS:

Component	Type	Material	Colour	Finish
LXP2-D	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)
CA11930_LR2-D	Single lens	1680	336	112	9.6
» Box size: 480 x 280 x 300 mm					



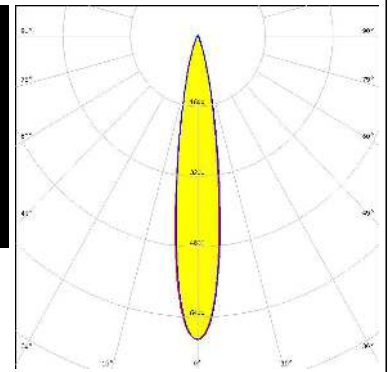


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

CREE LED

LED XP-L HD
 FWHM / FWTM 17.0° / 34.0°
 Efficiency 92 %
 Peak intensity 6.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

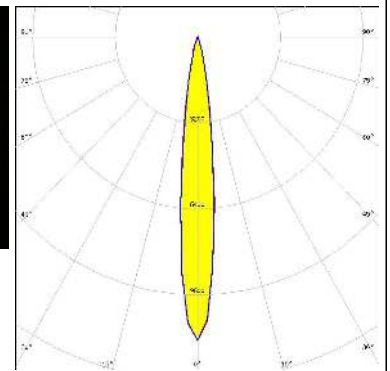


LUMILEDS

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

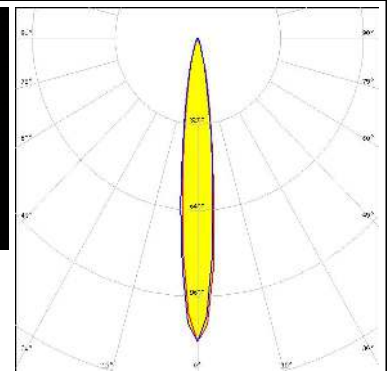
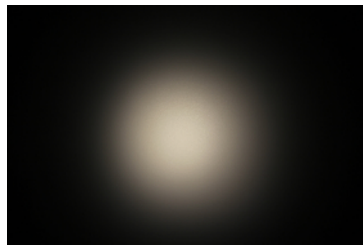
LUMILEDS

LED LUXEON T
 FWHM / FWTM 14.0° / 30.0°
 Efficiency 94 %
 Peak intensity 7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:


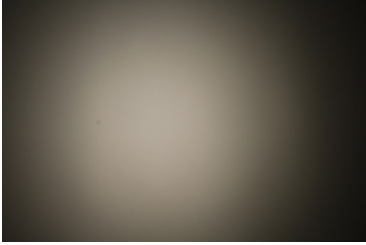
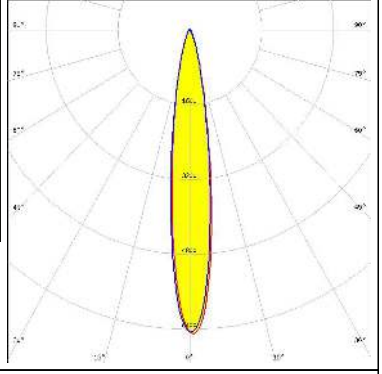

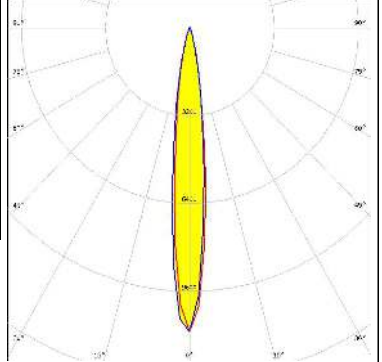


LUMILEDS


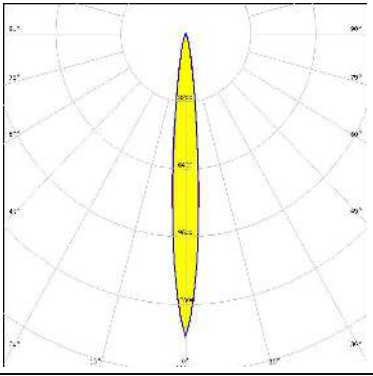

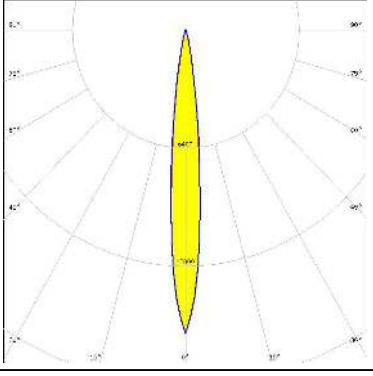

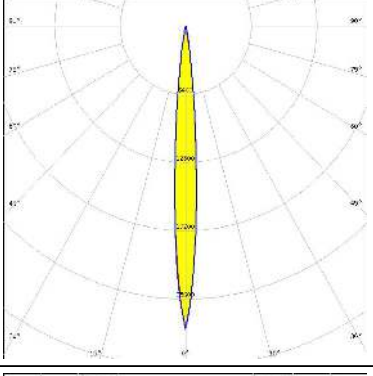

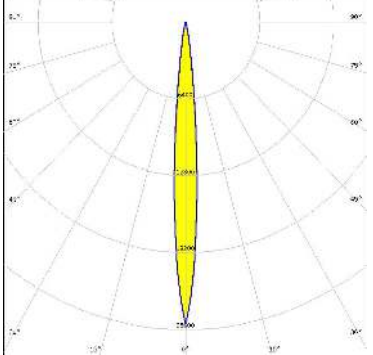
LED LUXEON TX
 FWHM / FWTM 13.0° / 29.0°
 Efficiency 90 %
 Peak intensity 11.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



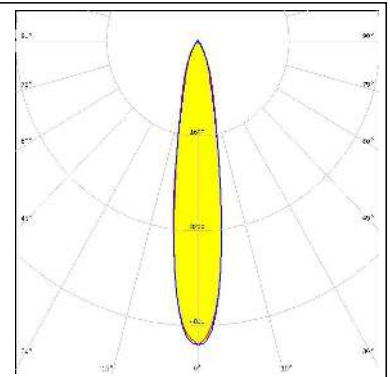
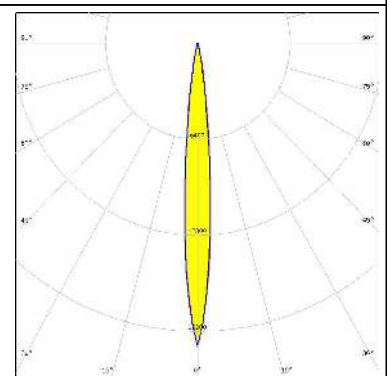
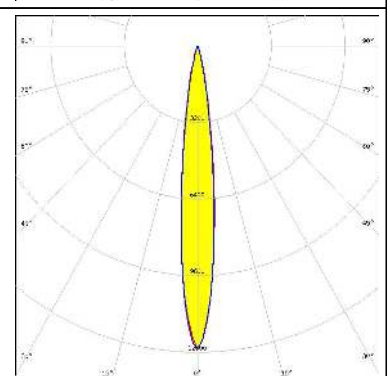
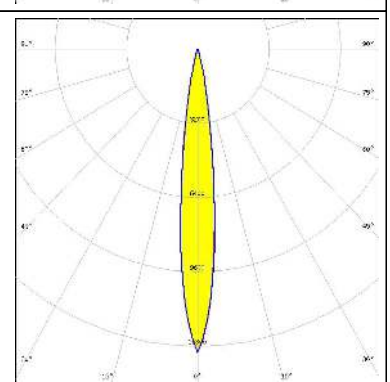
OPTICAL RESULTS (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON Z ES</p> <p>FWHM / FWTM 10.0° / 24.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 15.4 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 15.0° / 35.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 6.5 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 12.0° / 27.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 11.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		


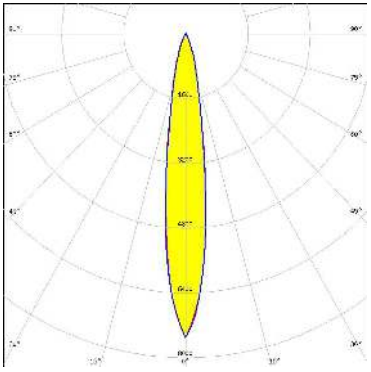

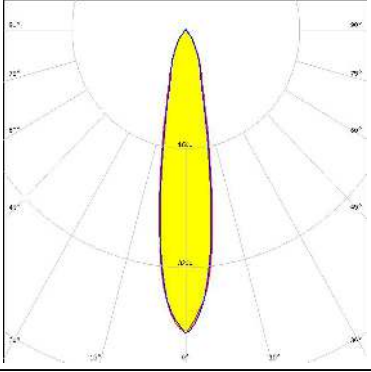

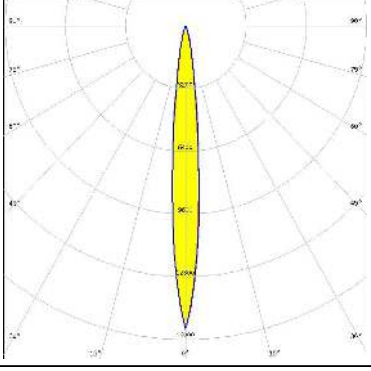

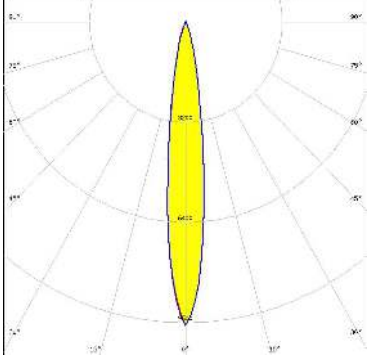
OPTICAL RESULTS (SIMULATED):

	<p>LED: XD16 FWHM / FWTM: 10.0° / 24.0° Efficiency: 91 % Peak intensity: 14.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
	<p>LED: XP-G2 FWHM / FWTM: 12.0° / 24.0° Efficiency: 95 % Peak intensity: 16.5 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
	<p>LED: XQ-E HD FWHM / FWTM: 9.0° / 17.0° Efficiency: 92 % Peak intensity: 28 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
	<p>LED: XQ-E HI FWHM / FWTM: 8.0° / 18.0° Efficiency: 94 % Peak intensity: 25.3 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

OPTICAL RESULTS (SIMULATED):

<p>LUMILEDS</p> <p>LED LUXEON 5050 Round LES</p> <p>FWHM / FWTM 18.0° / 45.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 5.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>LUMILEDS</p> <p>LED LUXEON C</p> <p>FWHM / FWTM 10.0° / 20.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 20.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour PC Amber</p> <p>Required components:</p>	
<p>LUMILEDS</p> <p>LED LUXEON H50-2</p> <p>FWHM / FWTM 12.5° / 26.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 12.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>LUMILEDS</p> <p>LED LUXEON HL2X</p> <p>FWHM / FWTM 14.0° / 26.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 13.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

OPTICAL RESULTS (SIMULATED):

	<p>LED NV4WB35AM FWHM / FWTM 16.0° / 36.0° Efficiency 96 % Peak intensity 7.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
	<p>LED Duris S8 FWHM / FWTM 20.0° / 51.0° Efficiency 95 % Peak intensity 4.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
	<p>LED OSCONIQ C 2424 FWHM / FWTM 10.0° / 24.0° Efficiency 95 % Peak intensity 15.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
	<p>LED OSCONIQ P 3737 (3W version) FWHM / FWTM 14.0° / 32.0° Efficiency 96 % Peak intensity 9.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

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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