

## LOS-O-90

~10° x 40° oval beam optimized for Osram Oslon Square EC. 14.3 mm high assembly. Variant with beam direction rotated 90°.

### SPECIFICATION:

Dimensions	Ø 21.6 mm
Height	14.3 mm
Fastening	glue, pin
ROHS compliant	yes ⓘ

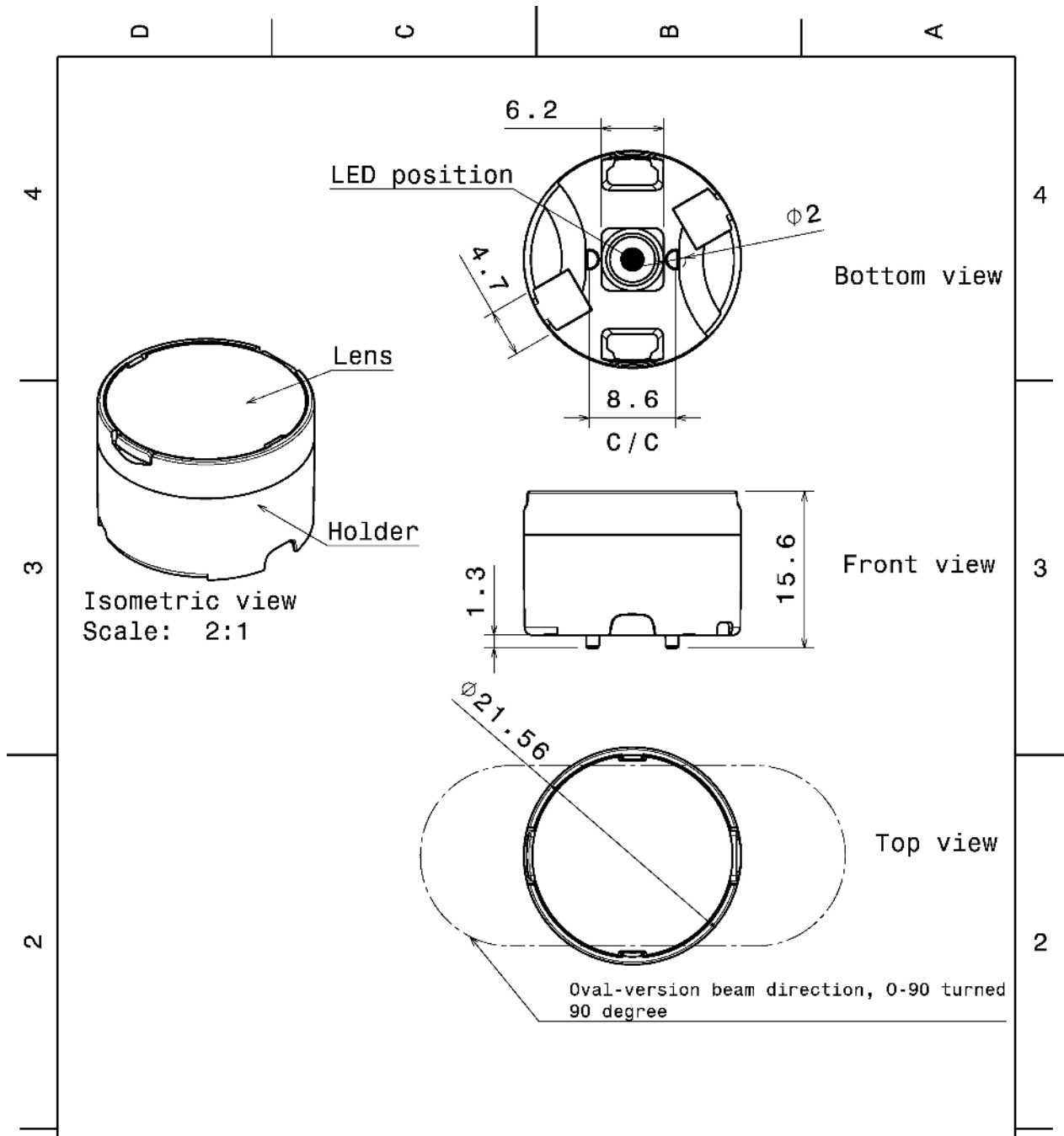


### MATERIALS:

Component	Type	Material	Colour	Finish
LXP2-O-90	Single lens	PMMA	clear	
LEILA-HLD-OSL	Holder	PC	white	

### ORDERING INFORMATION:

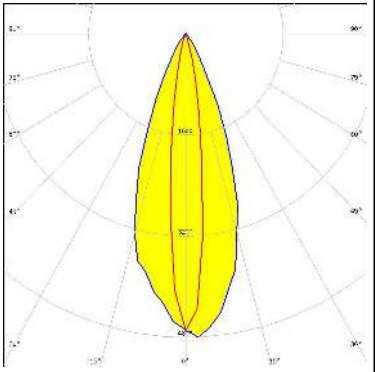
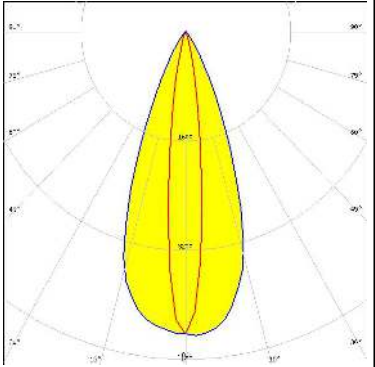

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
CP12415_LOS-O-90	Single lens	1680	336	112	9.1
» Box size: 480 x 280 x 300 mm					



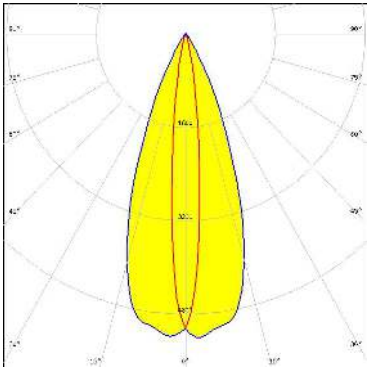
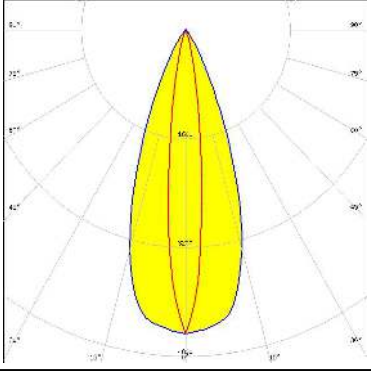
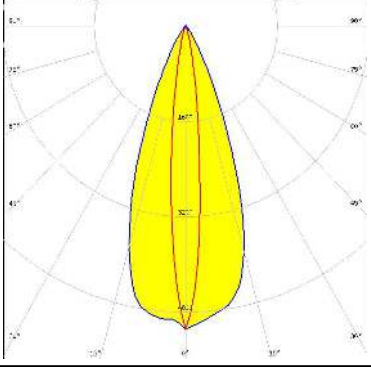
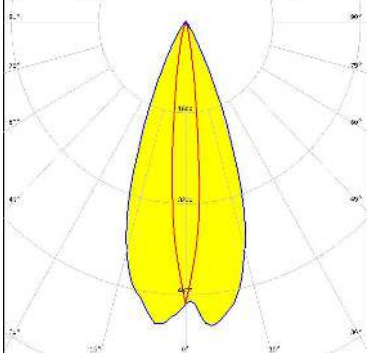
Tolerances if not otherwise shown According to DIN ISO 2768-1 Linear measures: Up to 30mm class M, otherwise class C. According to DIN ISO 2768-2 Form and position: class L		<b>LEDiL</b> Ledit Oy Salorankatu 10 FIN 24240 SALO Finland	
THIRD ANGLE PROJECTION:		<b>DRAWING TITLE</b> LOS-series assembly	
This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy.		<b>SIZE</b> A4	<b>PART NUMBER</b> -
<b>SCALE</b> 2:1		<b>WEIGHT</b> -	<b>SHEET</b> 1/1

See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

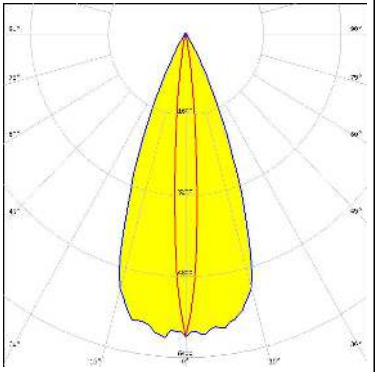
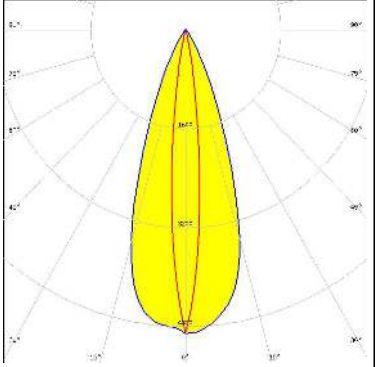
#### OPTICAL RESULTS (MEASURED):

<p><b>NICHIA</b></p> <p>LED NF2x757A</p> <p>FWHM / FWTM 14.0 + 39.0° / 29.0 + 63.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 4.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Duris S5 (2 chip)</p> <p>FWHM / FWTM 14.0 + 42.0° / 28.0 + 64.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 4.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	 

#### OPTICAL RESULTS (SIMULATED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON C</p> <p>FWHM / FWTM 12.0 + 40.0° / 24.0 + 62.0°</p> <p>Efficiency 95 %</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><b>NICHIA</b></p> <p>LED NF2x757G</p> <p>FWHM / FWTM 13.0 + 40.0° / 28.0 + 63.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 4.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>NICHIA</b></p> <p>LED NFSW757H</p> <p>FWHM / FWTM 12.0 + 40.0° / 26.0 + 61.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 5.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSOLON Square EC</p> <p>FWHM / FWTM 11.0 + 41.0° / 24.0 + 60.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 5.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

#### OPTICAL RESULTS (SIMULATED):

<b>OSRAM</b> Opto Semiconductors	OSLON SSL 150	
LED	OSLON SSL 150	
FWHM / FWTM	9.0 + 42.0° / 18.0 + 59.0°	
Efficiency	%	
Peak intensity	6 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
<b>OSRAM</b> Opto Semiconductors	OSLON SSL 80	
LED	OSLON SSL 80	
FWHM / FWTM	11.0 + 38.0° / 23.0 + 60.0°	
Efficiency	%	
Peak intensity	4.9 cd/lm	
LEDs/each optic	1	
Light colour	White	
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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