

LXP-O-90

~10° x 40° oval beam optimized for CREE XP-E.
14.7 mm high assembly with installation tape.

SPECIFICATION:

Dimensions	Ø 21.6 mm
Height	14.7 mm
Fastening	tape
ROHS compliant	yes ⓘ

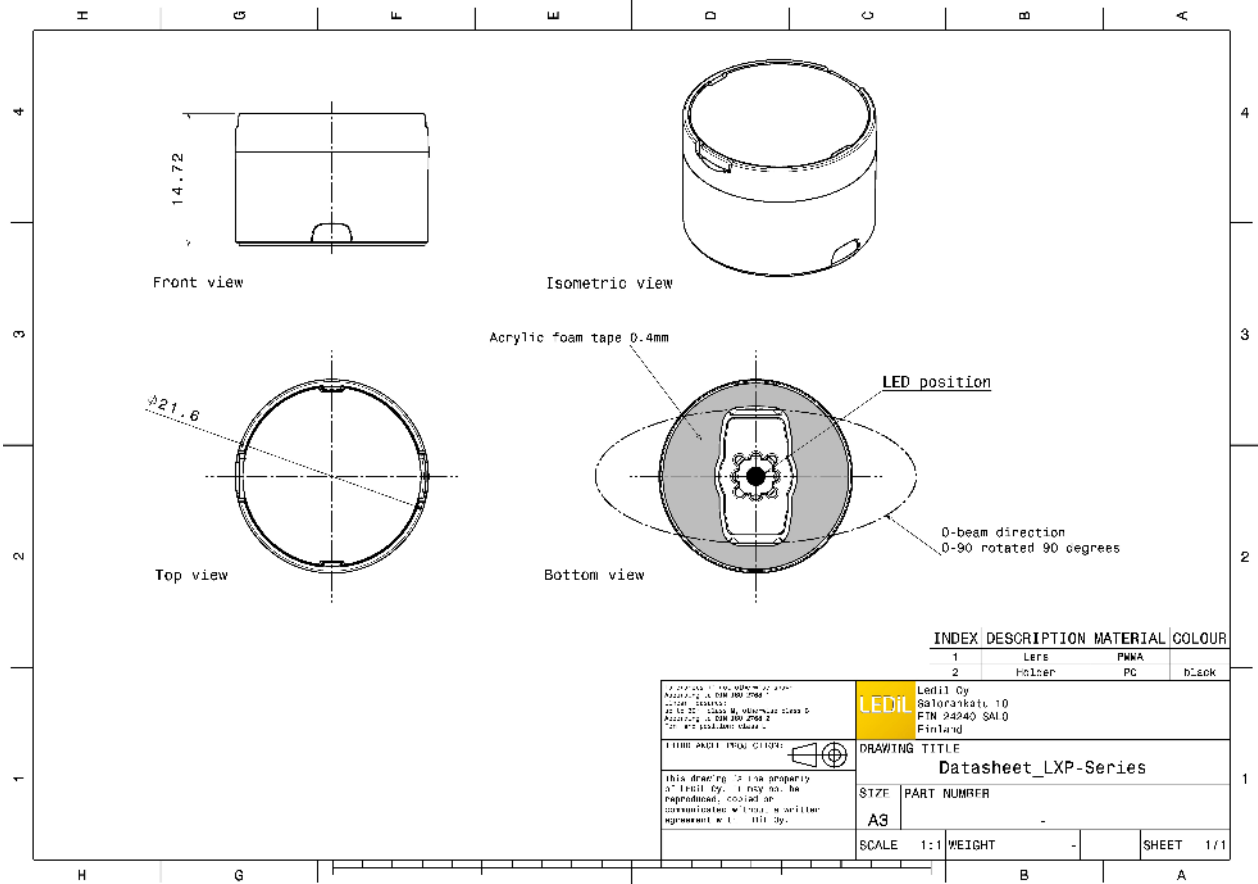


MATERIALS:

Component	Type	Material	Colour	Finish
LR1-O-90	Single lens	PMMA	clear	
LXP-LH1-TAPE-BLK	Holder	PC	black	
LEILA-TAPE	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA11116_LXP-O-90	Single lens	2304	288	144	11.5
» Box size: 470 x 235 x 270 mm					



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

OPTICAL RESULTS (MEASURED):

CREE ⇄ LED

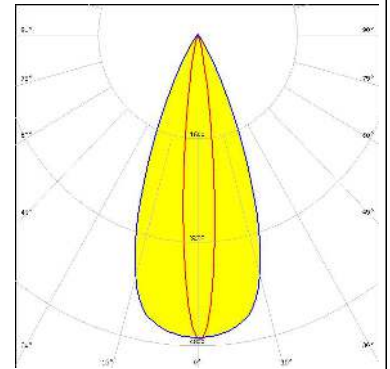
LED XP-E
 FWHM / FWTM 41.0 + 10.0°
 Efficiency 89 %
 Peak intensity 5.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

CREE ⇄ LED

LED XP-E-HEW
 FWHM / FWTM 13.0 + 37.0° / 27.0 + 58.0°
 Efficiency %
 LEDs/each optic 1
 Light colour White
 Required components:

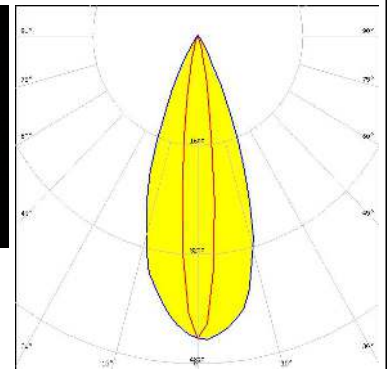
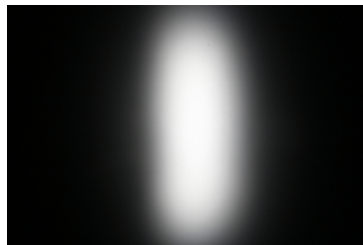
CREE ⇄ LED

LED XP-G
 FWHM / FWTM 41.0 + 13.0° / 60.0 + 24.0°
 Efficiency 91 %
 Peak intensity 4.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



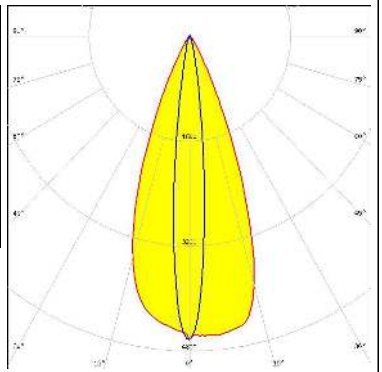


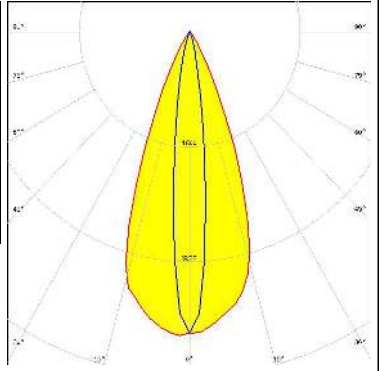

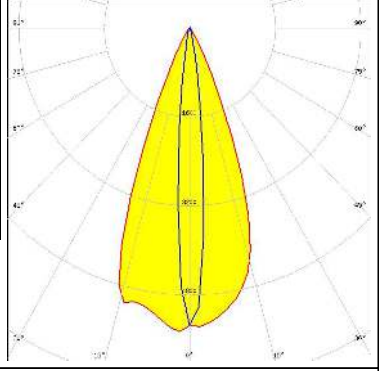





CREE ⇄ LED

LED XP-G2
 FWHM / FWTM 13.0 + 39.0° / 27.0 + 60.0°
 Efficiency 86 %
 Peak intensity 4.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



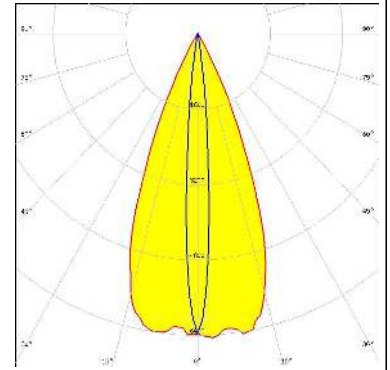
OPTICAL RESULTS (MEASURED):

<p>CREE  LED</p> <p>LED: XP-L HI FWHM / FWTM: 41.0 + 12.0° / 59.0 + 24.0° Efficiency: 86 % Peak intensity: 4.6 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>		
<p>CREE  LED</p> <p>LED: XT-E FWHM / FWTM: 41.0 + 13.0° / 60.0 + 27.0° Efficiency: 85 % Peak intensity: 4.2 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>		
<p>SAMSUNG</p> <p>LED: LH351A FWHM / FWTM: 41.0 + 11.0° / 56.0 + 23.0° Efficiency: 89 % Peak intensity: 5.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>		
<p> SECOUL SEMICONDUCTOR</p> <p>LED: Z5 FWHM / FWTM: 38.0 + 21.0° Efficiency: % LEDs/each optic: 1 Light colour: White Required components:</p>		

OPTICAL RESULTS (SIMULATED):

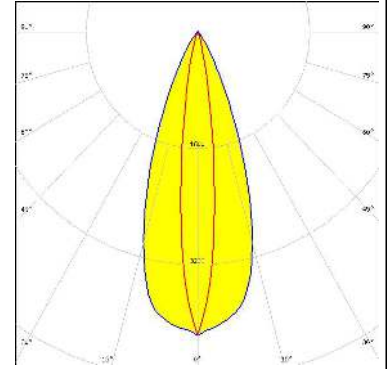
CREE LED

LED XP-E2
 FWHM / FWTM 9.0 + 43.0° / 17.0 + 58.0°
 Efficiency 91 %
 Peak intensity 6.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



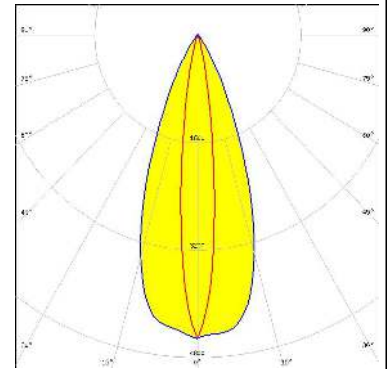
CREE LED

LED XP-G3
 FWHM / FWTM 13.0 + 39.0° / 28.0 + 62.0°
 Efficiency 84 %
 Peak intensity 4.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



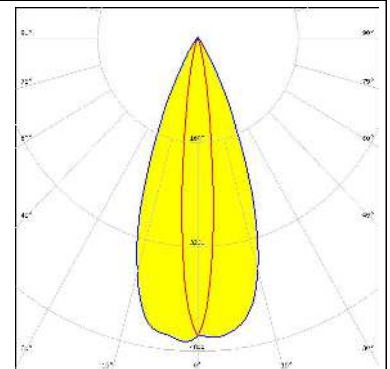
LUMILEDS

LED LUXEON V2
 FWHM / FWTM 13.0 + 40.0° / 27.0 + 63.0°
 Efficiency 91 %
 Peak intensity 4.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

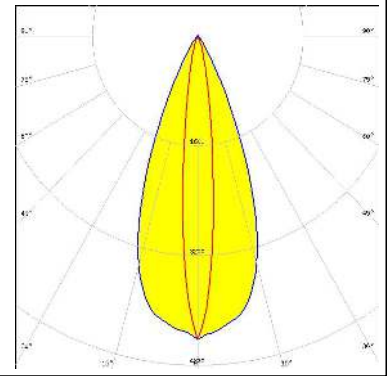
Opto Semiconductors
 LED OSOLON Square CSSRM2/CSSRM3
 FWHM / FWTM 12.0 + 42.0° / 26.0 + 62.0°
 Efficiency 90 %
 Peak intensity 4.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED	LM302D
FWHM / FWTM	12.0 + 42.0° / 28.0 + 62.0°
Efficiency	88 %
Peak intensity	4.4 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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