

## 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 ⓘ

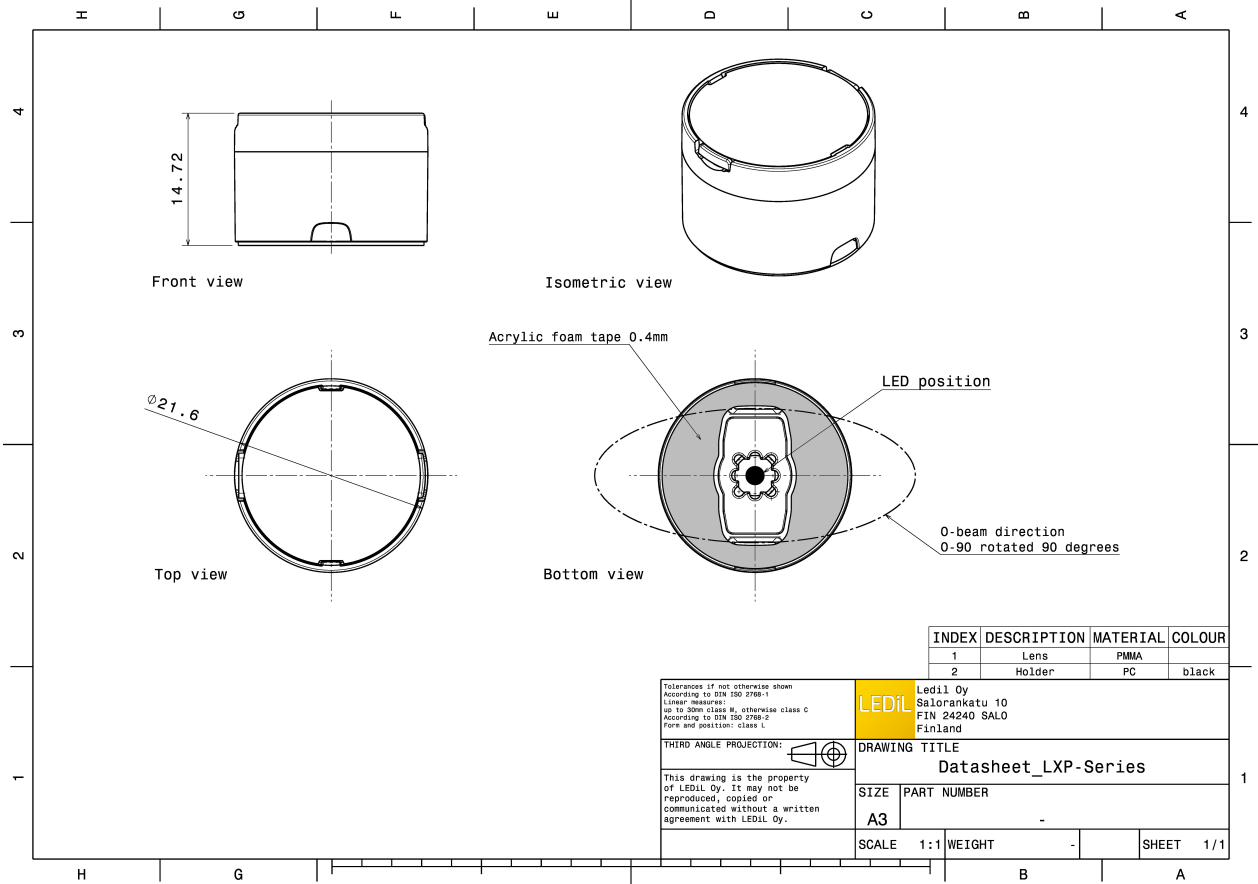


### MATERIALS:

Component	Type	Material	Colour	Finish	Length
LR1-O-90	Single lens	PMMA	clear		21.6
LXP-LH1-TAPE-BLK	Holder	PC	black		21.6
LEILA-TAPE	Tape	Acrylic foam	black		21.6

### ORDERING INFORMATION:

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



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

### OPTICAL RESULTS (MEASURED):



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

Light distribution files

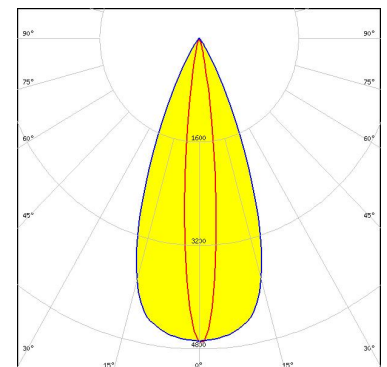


LED XP-E-HEW  
FWHM / FWTM 13.0 + 37.0° / 27.0 + 58.0°  
Efficiency %  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files



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/type White  
Required components:

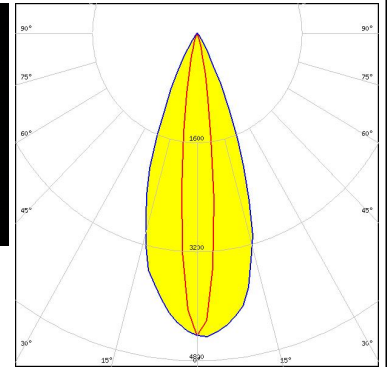
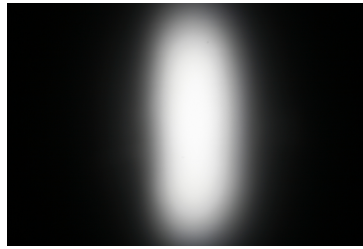


Light distribution files

#### OPTICAL RESULTS (MEASURED):



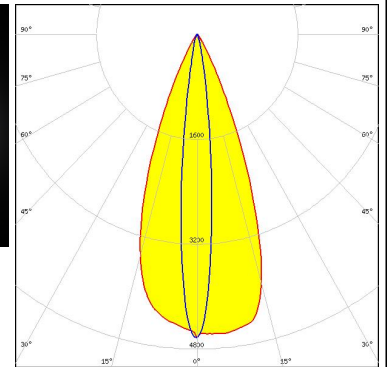
LED XP-G2  
 FWHM / FWTM 13.0 + 39.0° / 27.0 + 60.0°  
 Efficiency 86 %  
 Peak intensity 4.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



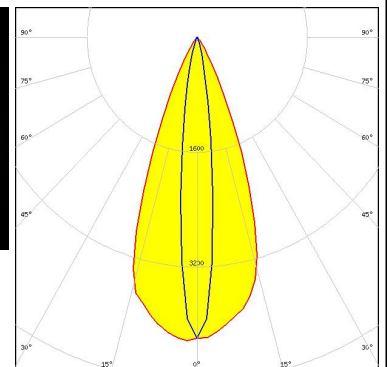
LED XP-L HI  
 FWHM / FWTM 41.0 + 12.0° / 59.0 + 24.0°  
 Efficiency 86 %  
 Peak intensity 4.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



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/type White  
 Required components:

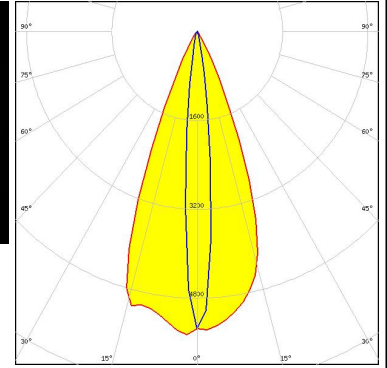


Light distribution files

### OPTICAL RESULTS (MEASURED):

#### SAMSUNG

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/type White  
Required components:



Light distribution files



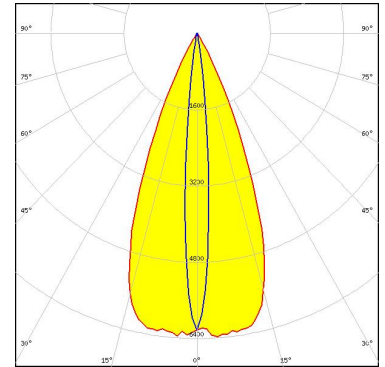
LED Z5  
FWHM / FWTM 38.0 + 21.0°  
Efficiency %  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files

#### OPTICAL RESULTS (SIMULATED):



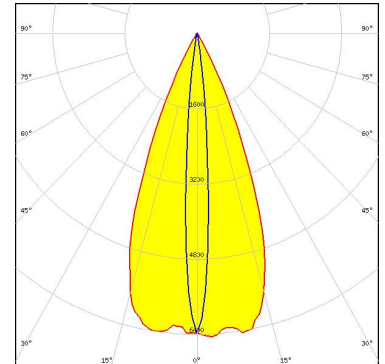
**LED** XP-E  
**FWHM / FWTM** 9.0 + 43.0° / 17.0 + 59.0°  
**Efficiency** 92 %  
**Peak intensity** 6.5 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



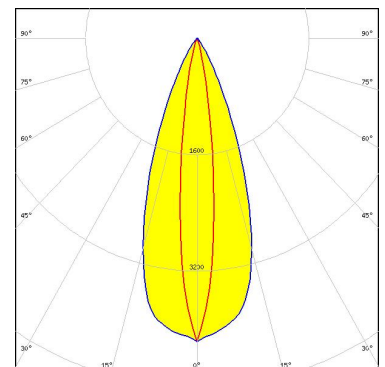
**LED** XP-E2  
**FWHM / FWTM** 9.0 + 43.0° / 17.0 + 58.0°  
**Efficiency** 91 %  
**Peak intensity** 6.6 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**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/type** White  
**Required components:**

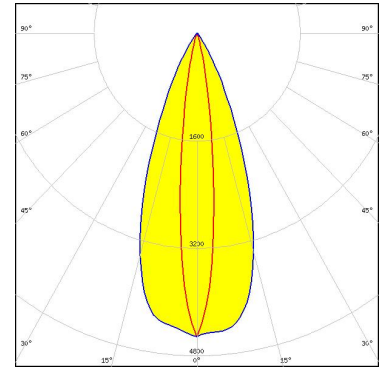


Light distribution files

### OPTICAL RESULTS (SIMULATED):



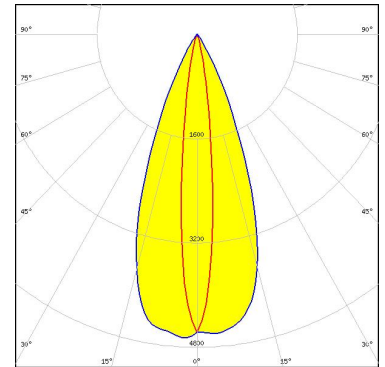
LED LUXEON V2  
FWHM / FWTM 13.0 + 40.0° / 27.0 + 63.0°  
Efficiency 91 %  
Peak intensity 4.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



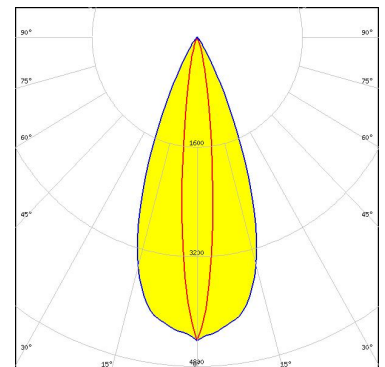
LED OSOLON Square CSSRM2/CSSRM3  
FWHM / FWTM 12.0 + 42.0° / 26.0 + 62.0°  
Efficiency 90 %  
Peak intensity 4.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



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/type White  
Required components:



Light distribution files

### 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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#### LEDiL Oy

Joensuunkatu 13  
FI-24240 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Ledil Optics Technology (Shenzhen) Co., Ltd.

# 405 , Block B  
Casic Motor Building  
Shenzhen 518057  
P.R.CHINA

#### Local sales and technical support

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