

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 ⓘ

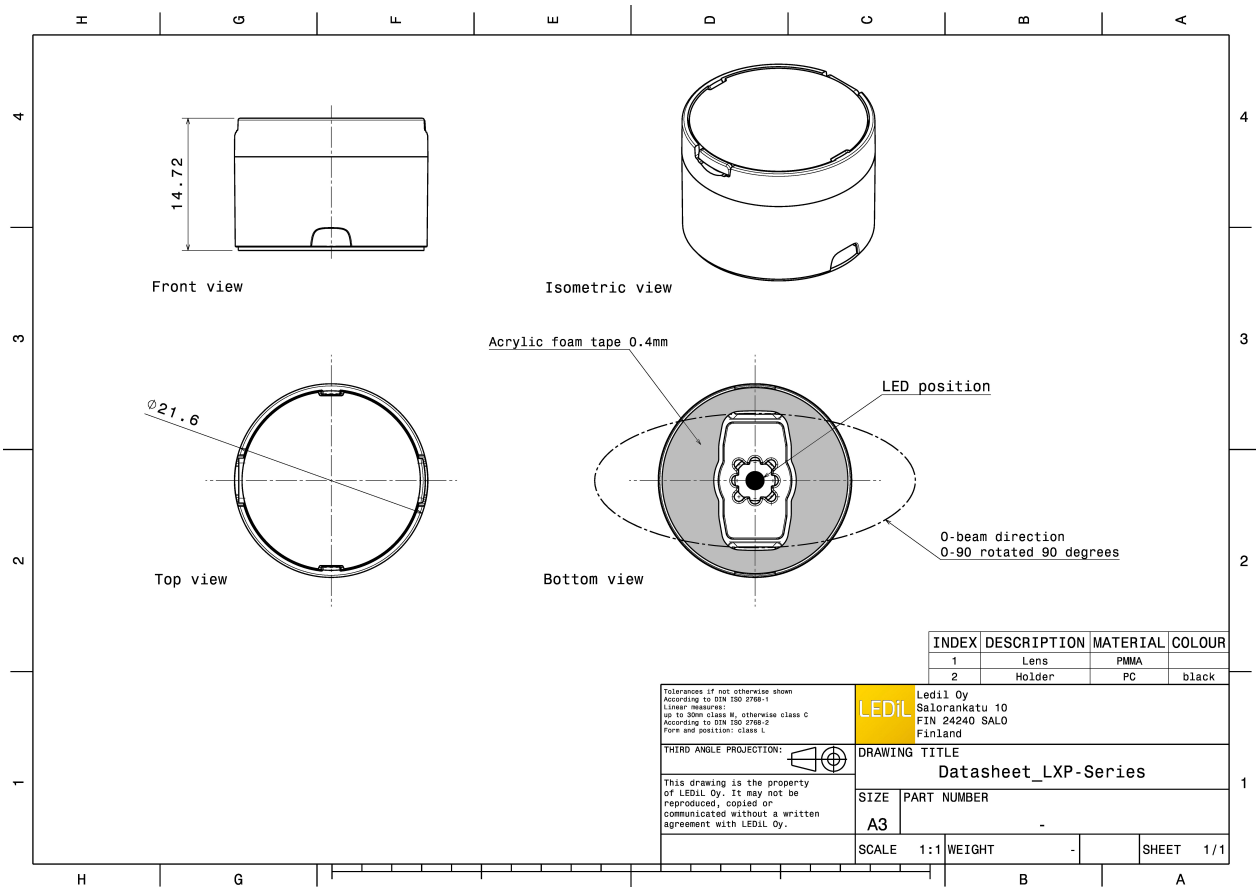


MATERIALS:

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

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

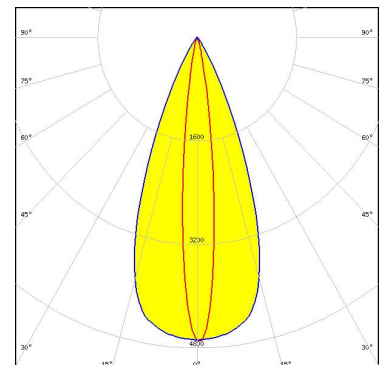


LED XP-E-HEW
FWHM / FWTM 13.0 + 37.0° / 27.0 + 58.0°
Efficiency %
LEDs/each optic 1
Light colour/type White
Required components:

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:

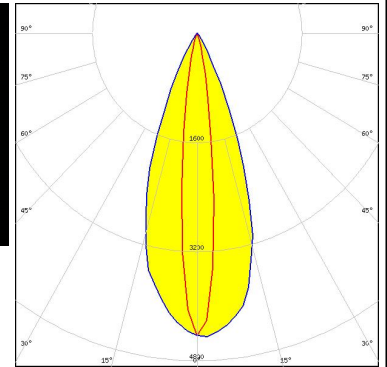
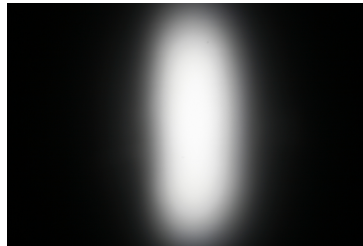


Light distribution files

OPTICAL RESULTS (MEASURED):



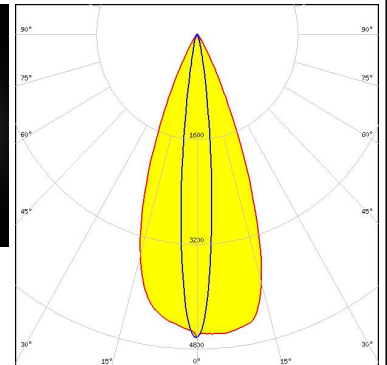
LED XP-G2
 FWHM / FWTM 13.0 + 39.0° / 27.0 + 60.0°
 Efficiency 86 %
 Peak intensity 4.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



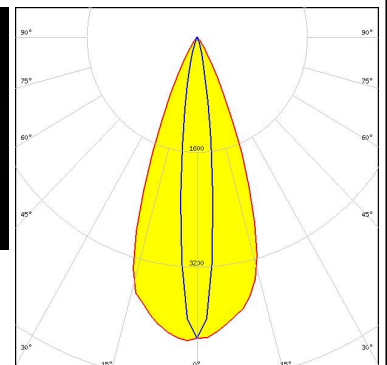
LED XP-L HI
 FWHM / FWTM 41.0 + 12.0° / 59.0 + 24.0°
 Efficiency 86 %
 Peak intensity 4.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



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:

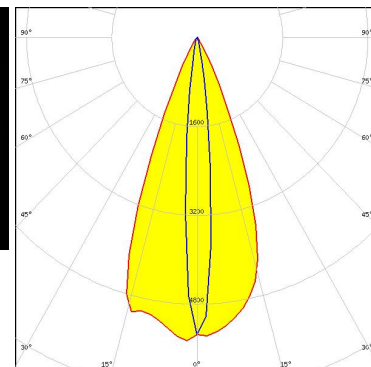


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

LED LH351A
FWHM / FWTM 41.0 + 11.0° / 56.0 + 23.0°
Efficiency 89 %
Peak intensity 5.4 cd/m
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



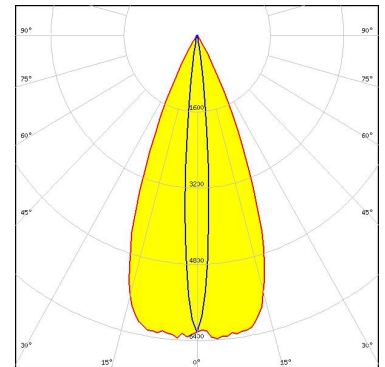
LED Z5
FWHM / FWTM 38.0 + 21.0°
Efficiency %
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files

OPTICAL RESULTS (SIMULATED):



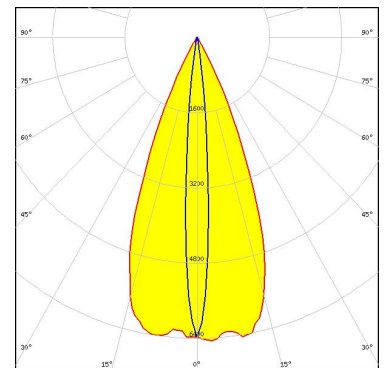
LED XP-E
FWHM / FWTM 9.0 + 43.0° / 17.0 + 59.0°
Efficiency 92 %
Peak intensity 6.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



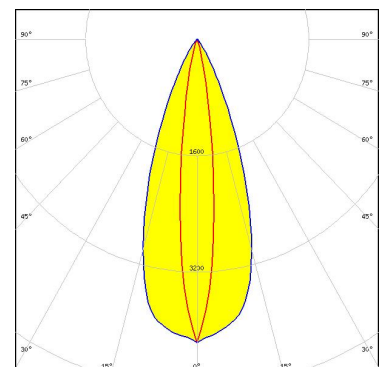
LED XP-E2
FWHM / FWTM 9.0 + 43.0° / 17.0 + 58.0°
Efficiency 91 %
Peak intensity 6.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



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:

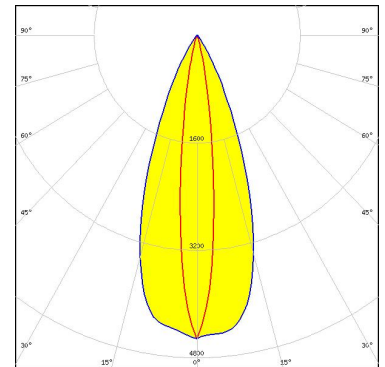


Light distribution files

OPTICAL RESULTS (SIMULATED):



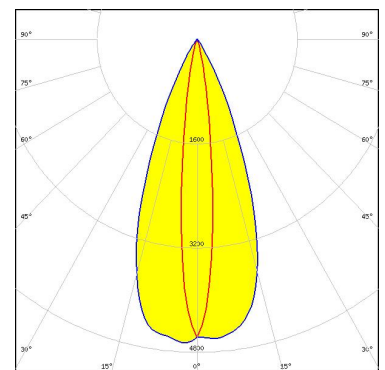
LED LUXEON V2
 FWHM / FWTM 13.0 + 40.0° / 27.0 + 63.0°
 Efficiency 91 %
 Peak intensity 4.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



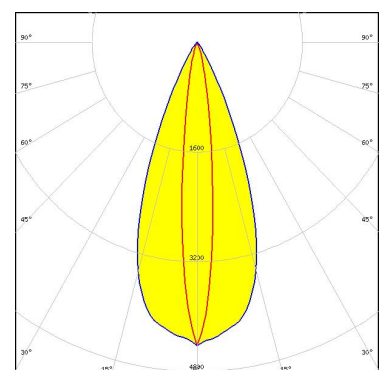
LED OSOLON Square CSSRM2/CSSRM3
 FWHM / FWTM 12.0 + 42.0° / 26.0 + 62.0°
 Efficiency 90 %
 Peak intensity 4.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



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:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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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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