

SANDRA-12-O

~40° + 20° oval beam

SPECIFICATION:

Dimensions	Ø 67.0
Height	11.1 mm
Fastening	pin
ROHS compliant	yes ⓘ

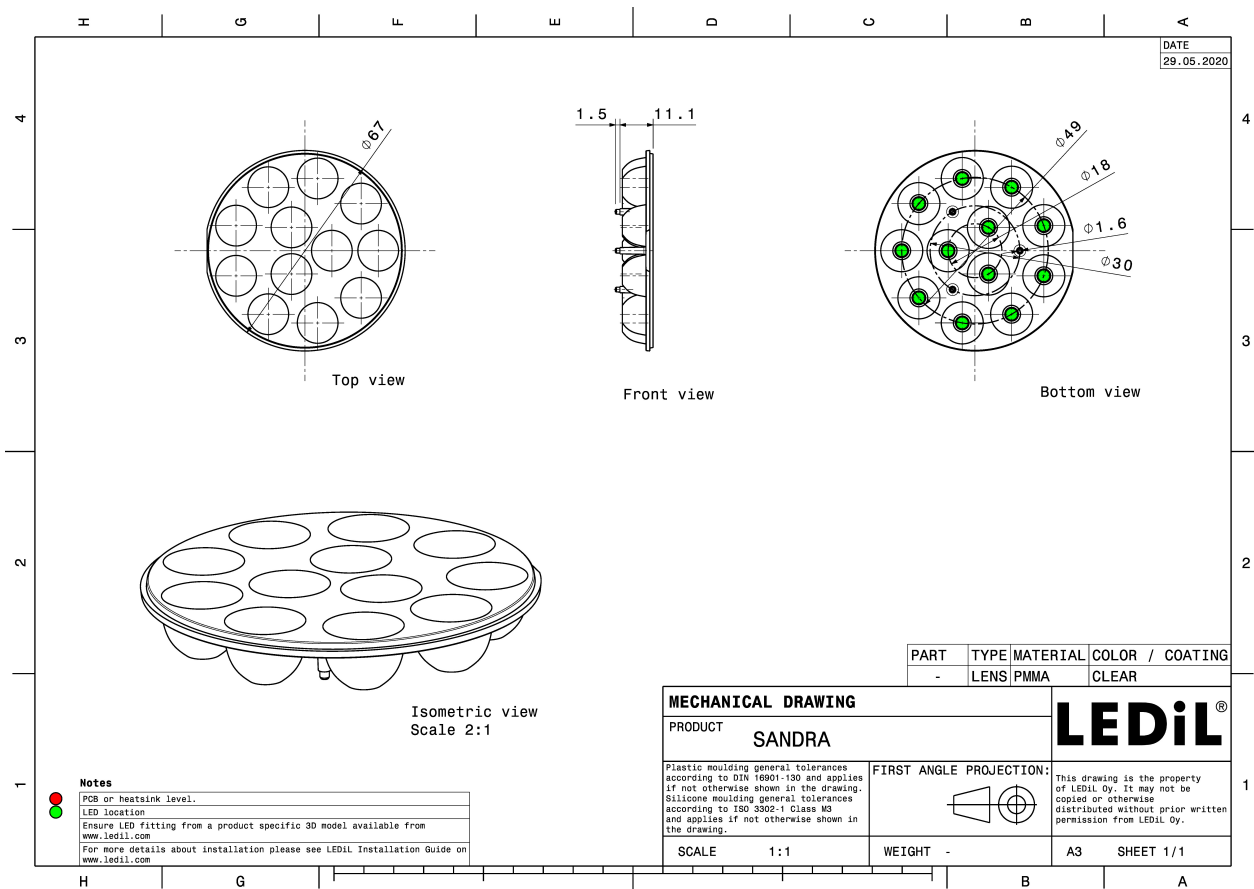
MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
SANDRA-12-O	Multi-lens	PMMA	clear		



ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C14250_SANDRA-12-O » Box size: 480 x 280 x 300 mm	306		18	7.4

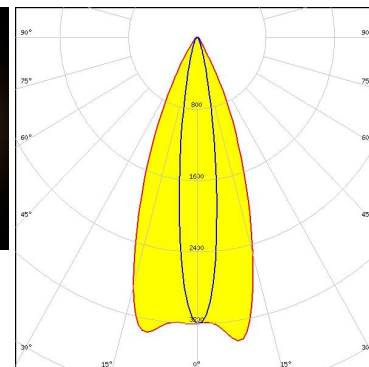
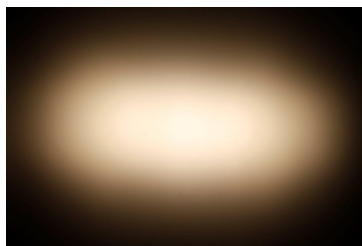


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



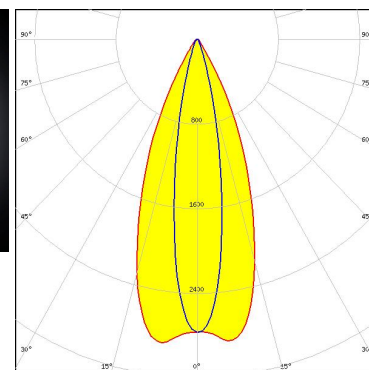
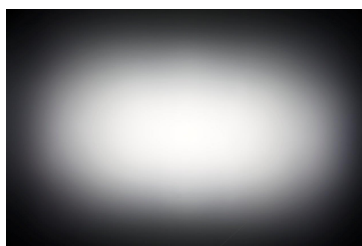
LED XP-E2
FWHM / FWTM 40.0 + 15.0°
Efficiency 91 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-G2
FWHM / FWTM 42.0 + 19.0° / 41.0 + 70.0°
Efficiency 90 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

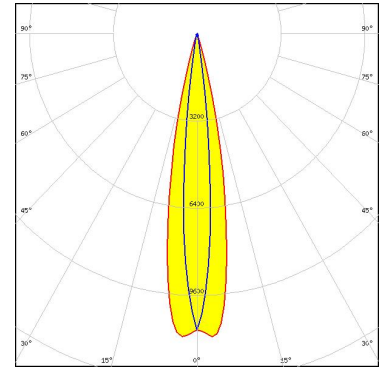


Light distribution files

OPTICAL RESULTS (SIMULATED):



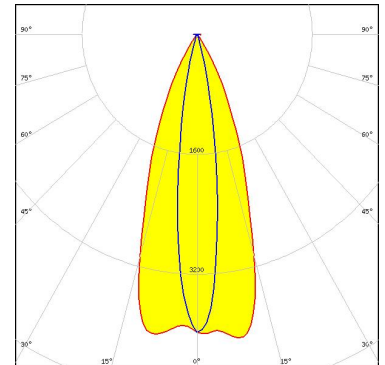
LED XB-D
FWHM / FWTM 22.0 + 10.0° / 32.0 + 20.0°
Efficiency 83 %
Peak intensity 11.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



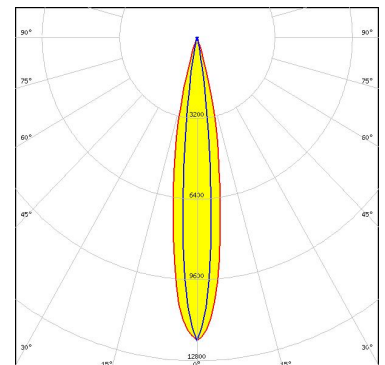
LED XB-D
FWHM / FWTM 16.0 + 38.0° / 30.0 + 62.0°
Efficiency 97 %
Peak intensity 4.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XD16
FWHM / FWTM 18.0 + 11.0° / 33.0 + 20.0°
Efficiency 94 %
Peak intensity 12 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

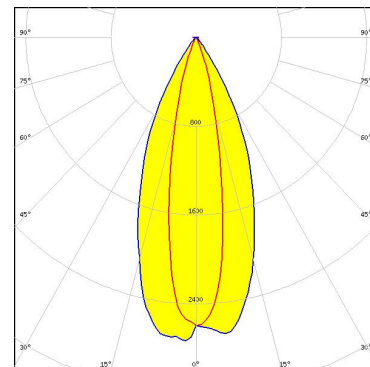


Light distribution files

OPTICAL RESULTS (SIMULATED):



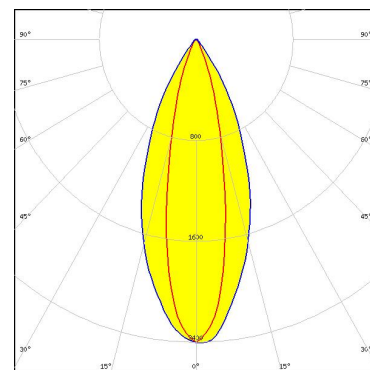
LED XP-G3
FWHM / FWTM 44.0 + 21.0° / 71.0 + 40.0°
Efficiency 94 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



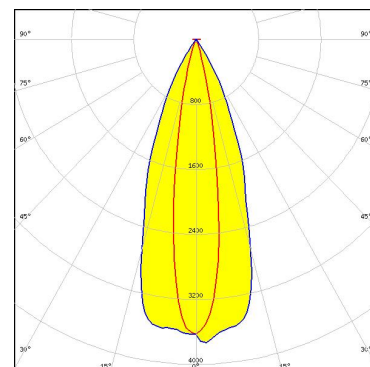
LED XP-L2
FWHM / FWTM 22.0 + 42.0° / 47.0 + 72.0°
Efficiency 94 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XT-E
FWHM / FWTM 39.0 + 17.0° / 65.0 + 32.0°
Efficiency 92 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

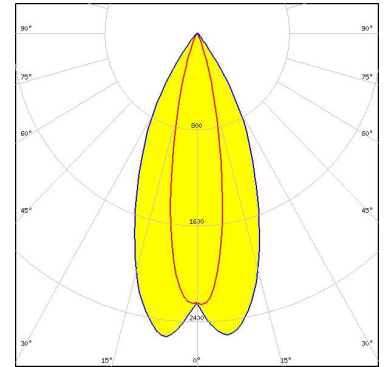


Light distribution files

OPTICAL RESULTS (SIMULATED):



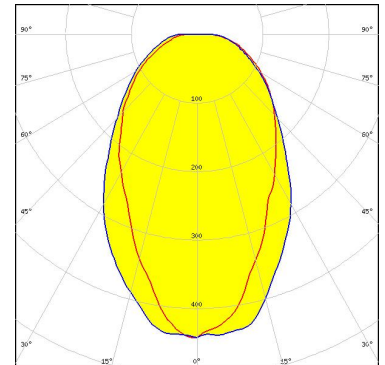
LED	LUXEON HL2X
FWHM / FWTM	22.0 + 46.0° / 40.0 + 74.0°
Efficiency	95 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



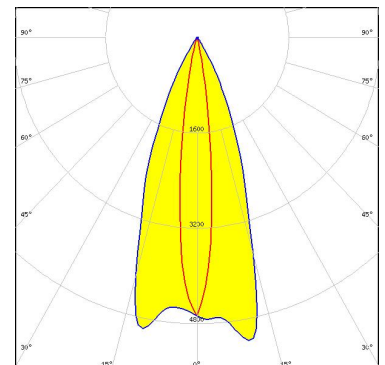
LED	LUXEON HL2X-P
FWHM / FWTM	65.0 + 75.0° / 159.0 + 166.0°
Efficiency	86 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



LED	OSLON SSL 150
FWHM / FWTM	Asymmetric
Efficiency	98 %
Peak intensity	5.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

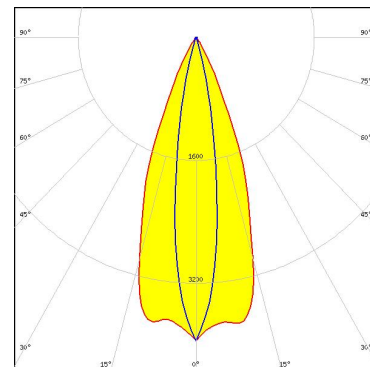


Light distribution files

OPTICAL RESULTS (SIMULATED):



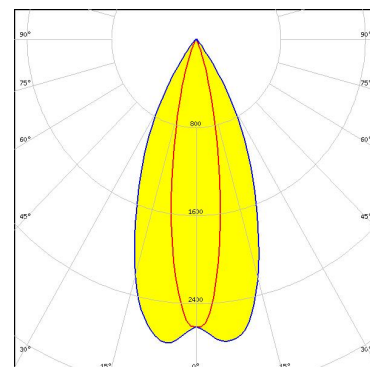
LED SFH 4715AS
 FWHM / FWTM 40.0 + 16.0° / 58.0 + 28.0°
 Efficiency 94 %
 LEDs/each optic 1
 Light colour/type IR
 Required components:



Light distribution files



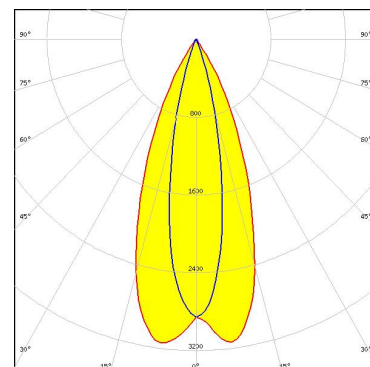
LED LH351C
 FWHM / FWTM 20.0 + 46.0° / 39.0 + 71.0°
 Efficiency 96 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED Z5M4
 FWHM / FWTM 22.0 + 42.0° / 40.0 + 66.0°
 Efficiency 95 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

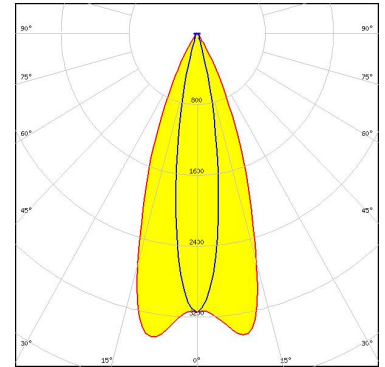


Light distribution files

OPTICAL RESULTS (SIMULATED):



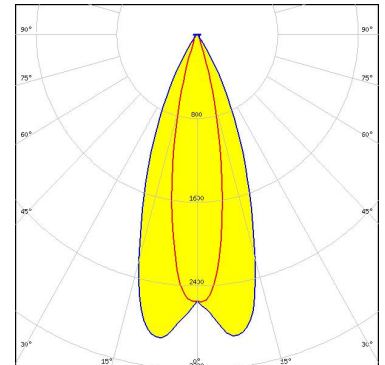
LED Z8Y19
FWHM / FWTM 18.0 + 40.0° / 34.0 + 60.0°
Efficiency 93 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED Z8Y22
FWHM / FWTM 22.0 + 40.0° / 39.0 + 64.0°
Efficiency 93 %
Peak intensity 2.9 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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