

CORAL-IP-OW

115 + 6° oval beam

SPECIFICATION:

Dimensions	74.5 x 44.5
Height	32 mm
Fastening	pin, screw
Ingress protection classes	IP66,IP67
ROHS compliant	yes ⓘ

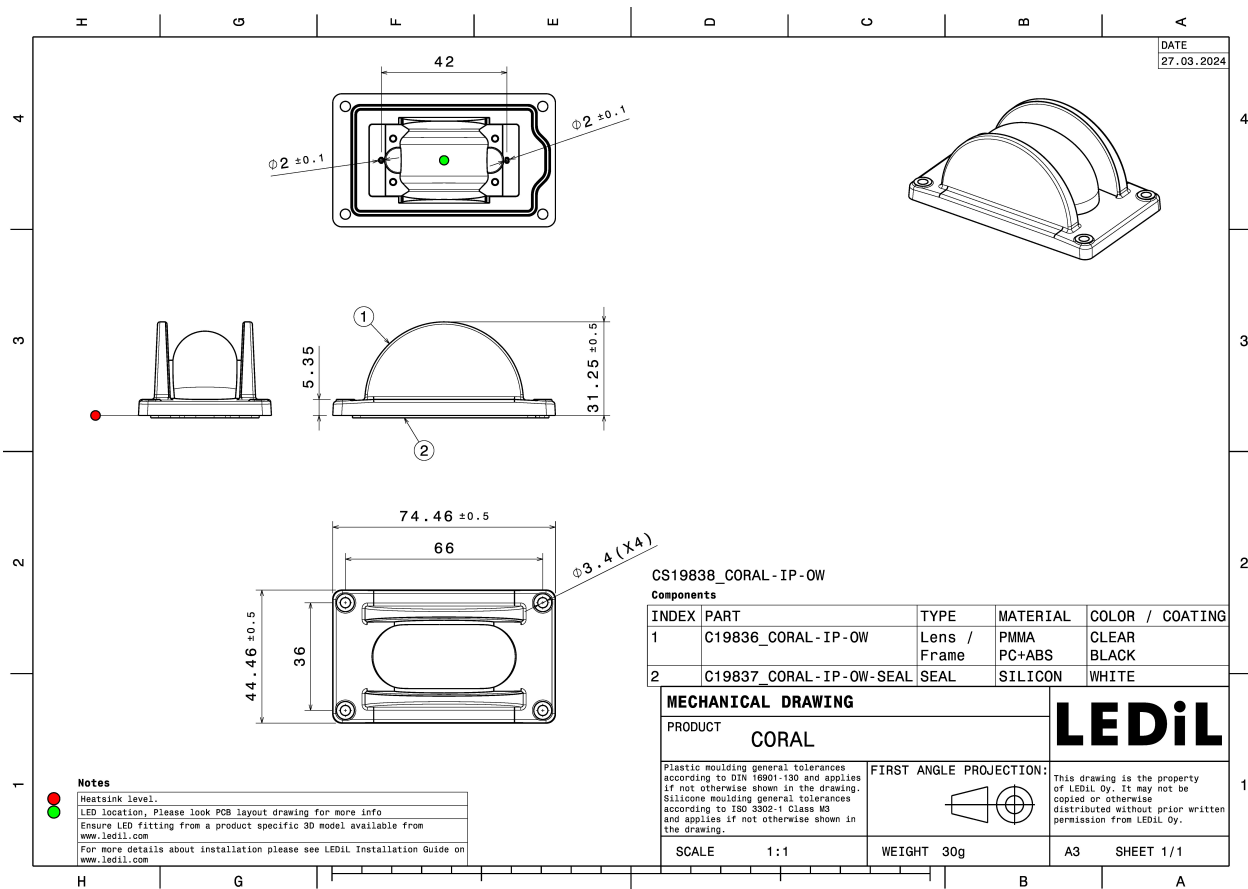
MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
CORAL-IP-OW	Single lens	PC-ABS			
CORAL-IP-OW-SEAL	Seal	Silicone	white		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CS19838_CORAL-IP-OW » Box size: 480 x 280 x 260 mm	180	180	180	6.4



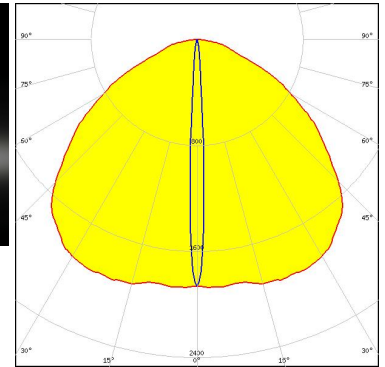


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

CEZOS

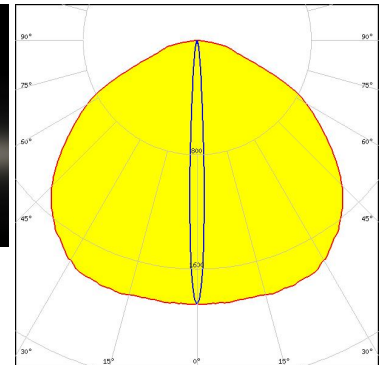
LED L0-048023-940-C1000-K430-2
 FWHM / FWTM 113.0 + 6.0° / 157.0 + 14.0°
 Efficiency 53 %
 Peak intensity 2 cd/lm
 LEDs/each optic 2
 Light colour/type White
 Required components:



Light distribution files

CEZOS

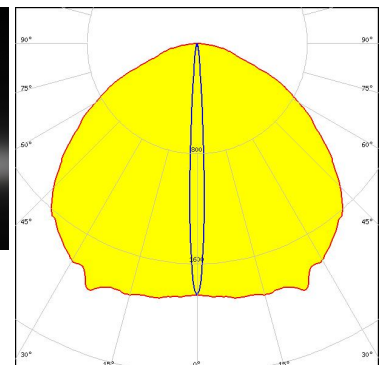
LED L0-048023-940-C1000-K430-4
 FWHM / FWTM 116.0 + 6.0° / 158.0 + 15.0°
 Efficiency 53 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 4
 Light colour/type White
 Required components:



Light distribution files

CEZOS

LED L0-048023-940-C1000-K434-1
 FWHM / FWTM 113.0 + 7.0° / 155.0 + 14.0°
 Efficiency 52 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

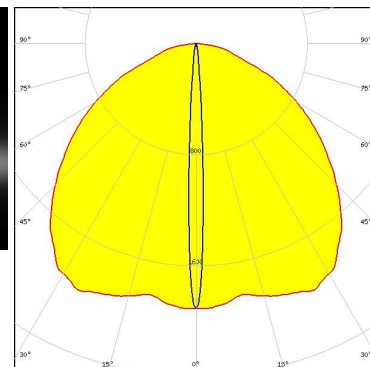


Light distribution files

OPTICAL RESULTS (MEASURED):

CEZOS

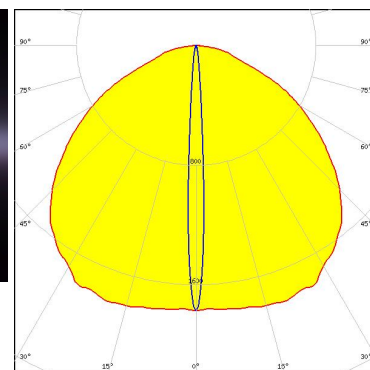
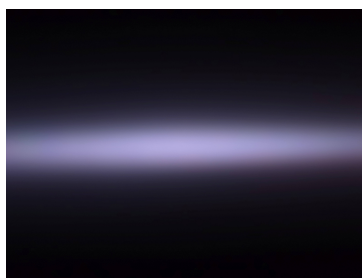
LED L0-048023-940-C1000-K434-3
 FWHM / FWTM 105.0 + 7.0° / 154.0 + 14.0°
 Efficiency 52 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 3
 Light colour/type White
 Required components:



Light distribution files

CEZOS

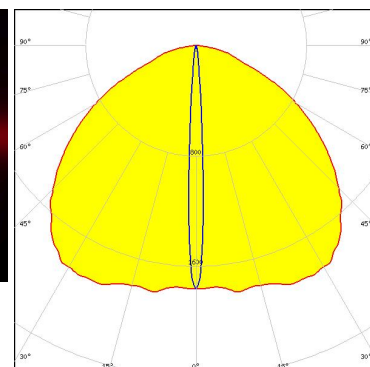
LED L0-048023-RGBW-C1000-K430
 FWHM / FWTM 114.0 + 7.0° / 158.0 + 14.0°
 Efficiency 52 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 4
 Light colour/type RGBW
 Required components:



Light distribution files

LUMILEDS

LED LUXEON CZ
 FWHM / FWTM 113.0 + 7.0° / 156.0 + 14.0°
 Efficiency 52 %
 Peak intensity 2 cd/lm
 LEDs/each optic 4
 Light colour/type Red
 Required components:

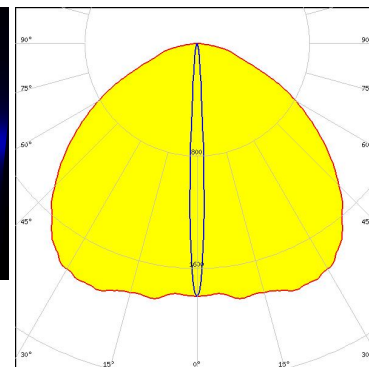


Light distribution files

OPTICAL RESULTS (MEASURED):



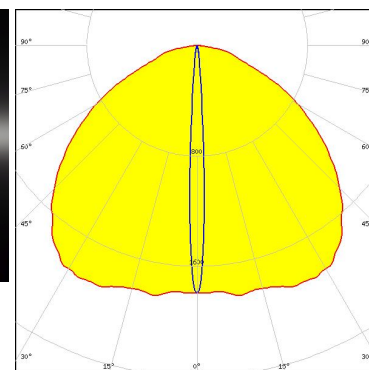
LED LUXEON CZ
 FWHM / FWTM 112.0 + 7.0° / 157.0 + 14.0°
 Efficiency 52 %
 Peak intensity 2 cd/lm
 LEDs/each optic 4
 Light colour/type Royal Blue
 Required components:



Light distribution files



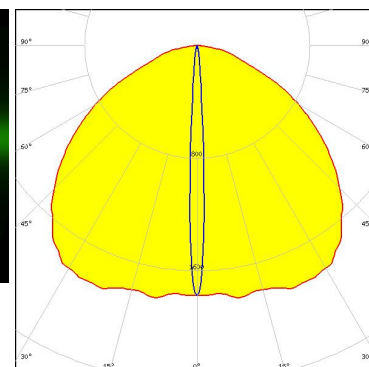
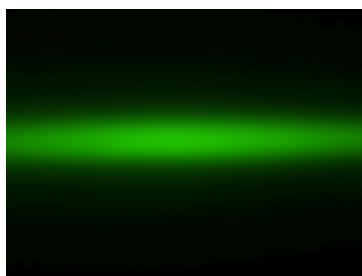
LED LUXEON CZ
 FWHM / FWTM 113.0 + 7.0° / 158.0 + 14.0°
 Efficiency 53 %
 Peak intensity 2 cd/lm
 LEDs/each optic 4
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON CZ
 FWHM / FWTM 113.0 + 7.0° / 158.0 + 14.0°
 Efficiency 52 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 4
 Light colour/type Green
 Required components:

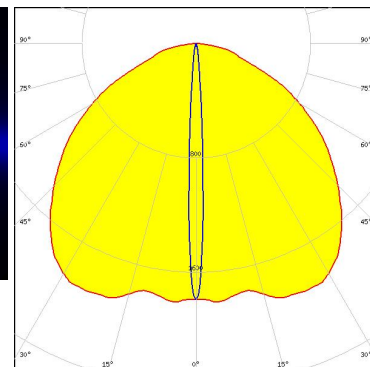


Light distribution files

OPTICAL RESULTS (MEASURED):



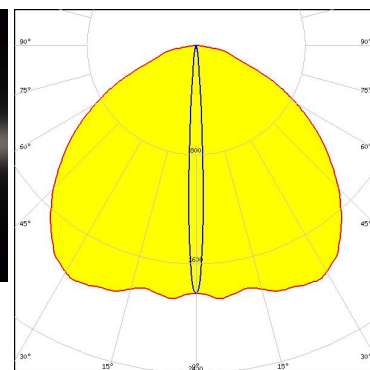
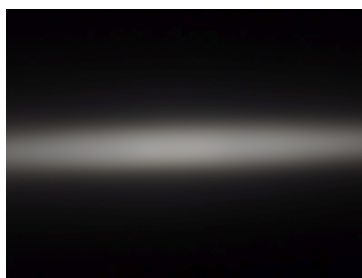
LED LUXEON Rubix
 FWHM / FWTM 112.0 + 6.0° / 158.0 + 14.0°
 Efficiency 51 %
 Peak intensity 2 cd/lm
 LEDs/each optic 4
 Light colour/type Royal Blue
 Required components:



Light distribution files



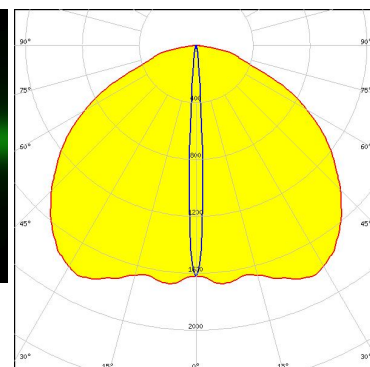
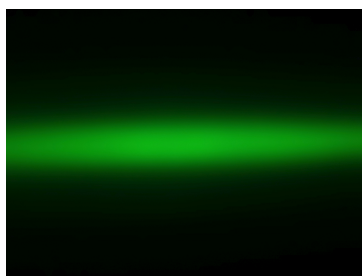
LED LUXEON Rubix
 FWHM / FWTM 112.0 + 7.0° / 156.0 + 14.0°
 Efficiency 53 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 4
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON Rubix
 FWHM / FWTM 116.0 + 7.0° / 160.0 + 15.0°
 Efficiency 51 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 4
 Light colour/type Green
 Required components:

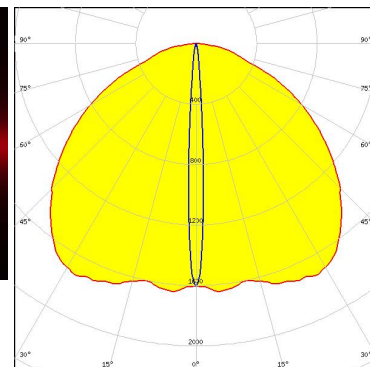
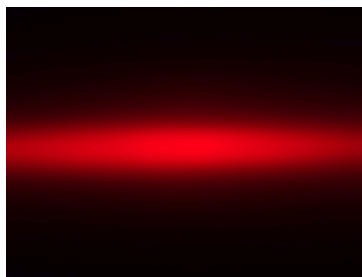


Light distribution files

OPTICAL RESULTS (MEASURED):



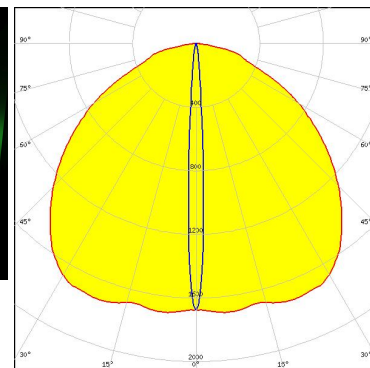
LED LUXEON Rubix
 FWHM / FWTM 115.0 + 7.0° / 160.0 + 15.0°
 Efficiency 50 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 4
 Light colour/type Red
 Required components:



Light distribution files



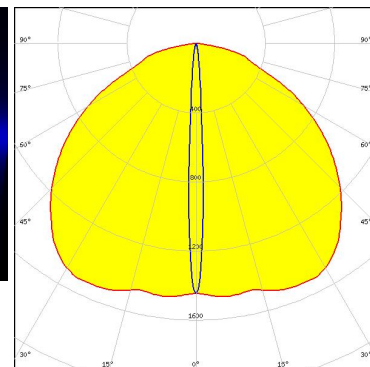
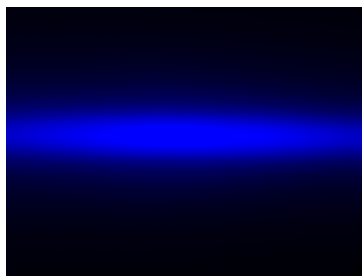
LED NCSxE17A
 FWHM / FWTM 111.0 + 7.0° / 158.0 + 15.0°
 Efficiency 50 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 4
 Light colour/type Green
 Required components:



Light distribution files



LED NCSxE17A
 FWHM / FWTM 114.0 + 7.0° / 159.0 + 15.0°
 Efficiency 47 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 4
 Light colour/type Royal Blue
 Required components:

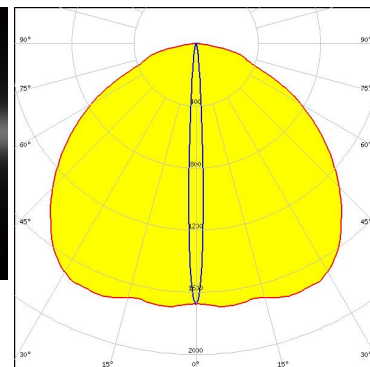


Light distribution files

OPTICAL RESULTS (MEASURED):



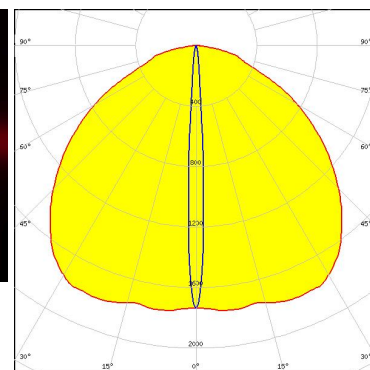
LED NCSxE17A
 FWHM / FWTM 113.0 + 6.0° / 158.0 + 14.0°
 Efficiency 50 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 4
 Light colour/type White
 Required components:



Light distribution files



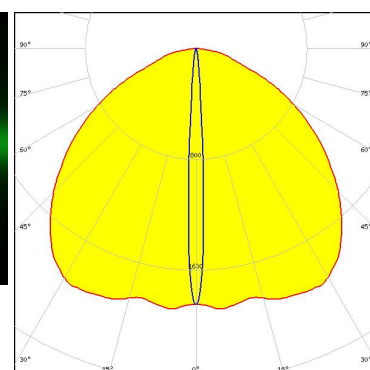
LED NCSxE17A
 FWHM / FWTM 111.0 + 7.0° / 158.0 + 14.0°
 Efficiency 51 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 4
 Light colour/type Red
 Required components:



Light distribution files



LED OSLO Pure 1414
 FWHM / FWTM 111.0 + 7.0° / 154.0 + 14.0°
 Efficiency 54 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 4
 Light colour/type True Green
 Required components:

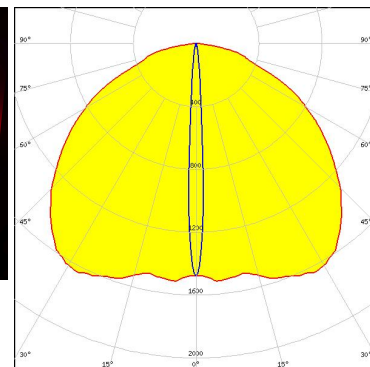
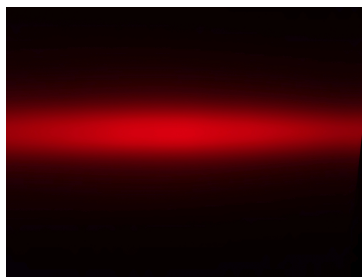


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

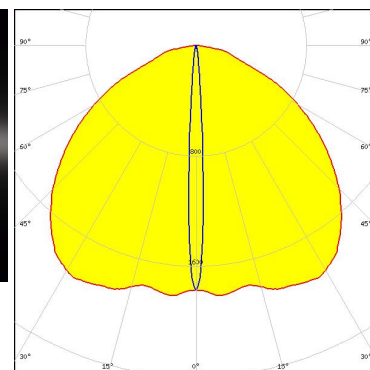
LED OSLON Pure 1414
FWHM / FWTM 116.0 + 7.0° / 161.0 + 16.0°
Efficiency 49 %
Peak intensity 1.7 cd/lm
LEDs/each optic 4
Light colour/type Red
Required components:



Light distribution files

OSRAM
Opto Semiconductors

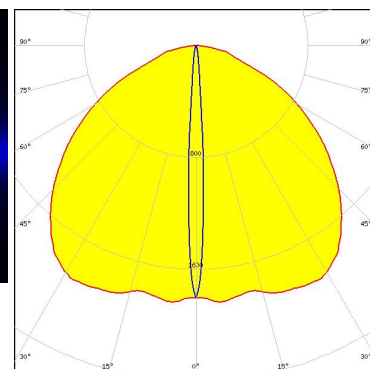
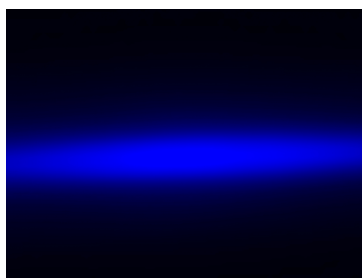
LED OSLON Pure 1414
FWHM / FWTM 112.0 + 7.0° / 155.0 + 14.0°
Efficiency 53 %
Peak intensity 2 cd/lm
LEDs/each optic 4
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLON Pure 1414
FWHM / FWTM 111.0 + 7.0° / 154.0 + 14.0°
Efficiency 53 %
Peak intensity 2 cd/lm
LEDs/each optic 4
Light colour/type Blue
Required components:

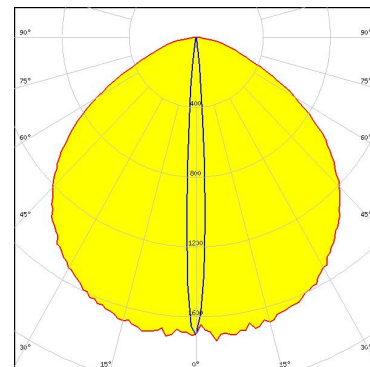


Light distribution files

OPTICAL RESULTS (SIMULATED):



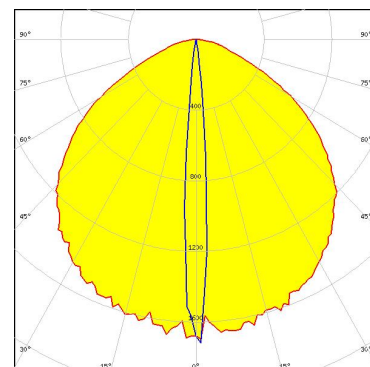
LED CSP 2727 (BXCP)
 FWHM / FWTM 111.0 + 8.0° / 154.0 + 14.0°
 Efficiency 53 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 6
 Light colour/type White
 Required components:



Light distribution files



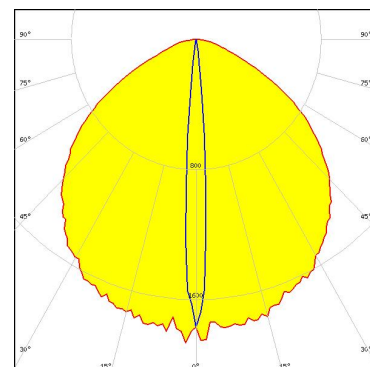
LED SMD 3838 RGBW 3V
 FWHM / FWTM 110.0 + 8.0° / 150.0 + 16.0°
 Efficiency 56 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 4
 Light colour/type RGBW
 Required components:



Light distribution files



LED CLR6A-TKW
 FWHM / FWTM 106.0 + 8.0° / 146.0 + 16.0°
 Efficiency 56 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 4
 Light colour/type RGBW
 Required components:

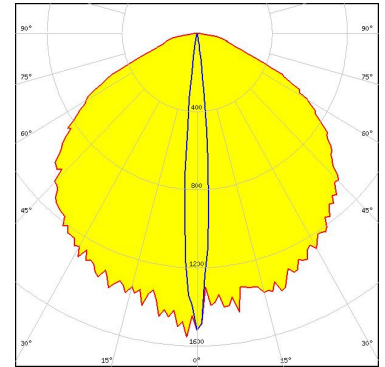


Light distribution files

OPTICAL RESULTS (SIMULATED):



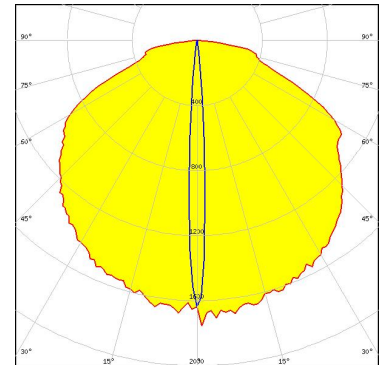
LED J Series 5050B 6V K Class
 FWHM / FWTM 113.0 + 10.0° / 154.0 + 18.0°
 Efficiency 53 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



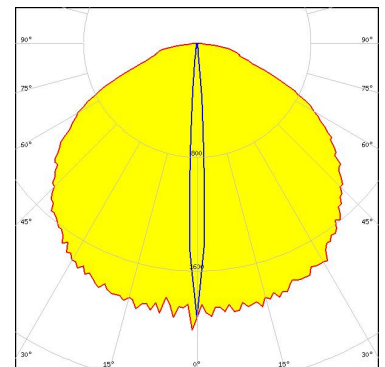
LED XB-D
 FWHM / FWTM 122.0 + 6.0° / 164.0 + 14.0°
 Efficiency 48 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 4
 Light colour/type RGBW
 Required components:



Light distribution files



LED XE-G
 FWHM / FWTM 116.0 + 6.0° / 162.0 + 12.0°
 Efficiency 53 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 4
 Light colour/type White
 Required components:

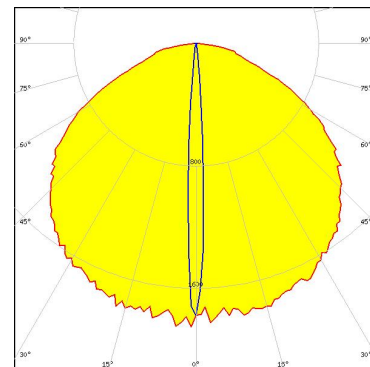


Light distribution files

OPTICAL RESULTS (SIMULATED):



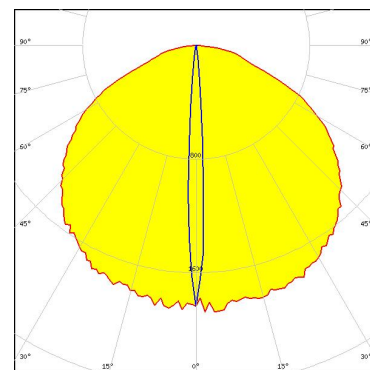
LED XE-G
 FWHM / FWTM 117.0 + 6.0° / 162.0 + 14.0°
 Efficiency 52 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 7
 Light colour/type White
 Required components:



Light distribution files



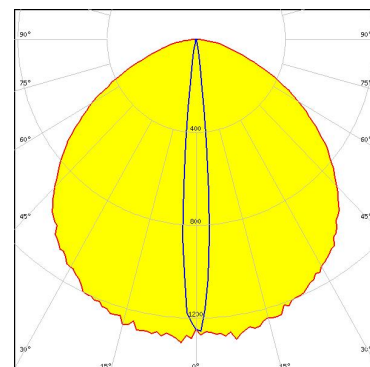
LED XE-G
 FWHM / FWTM 119.0 + 6.0° / 161.0 + 14.0°
 Efficiency 52 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 4
 Light colour/type RGBW
 Required components:



Light distribution files



LED XE-G
 FWHM / FWTM 110.0 + 10.0° / 156.0 + 18.0°
 Efficiency 55 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 30
 Light colour/type Red
 Required components:

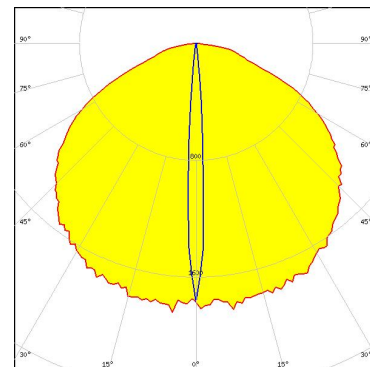


Light distribution files

OPTICAL RESULTS (SIMULATED):



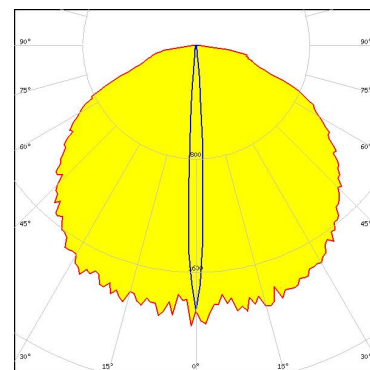
LED XE-G
FWHM / FWTM 121.0 + 6.0° / 160.0 + 14.0°
Efficiency 52 %
Peak intensity 1.9 cd/lm
LEDs/each optic 3
Light colour/type Red
Required components:



Light distribution files



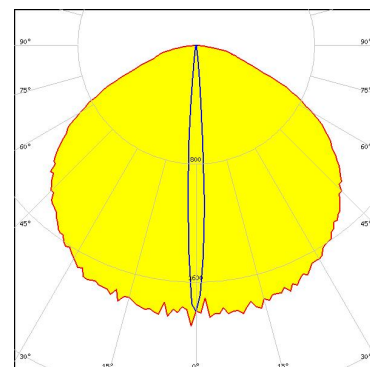
LED XE-G
FWHM / FWTM 120.0 + 6.0° / 164.0 + 13.0°
Efficiency 52 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XE-G
FWHM / FWTM 118.0 + 6.0° / 160.0 + 14.0°
Efficiency 53 %
Peak intensity 1.9 cd/lm
LEDs/each optic 6
Light colour/type Red
Required components:

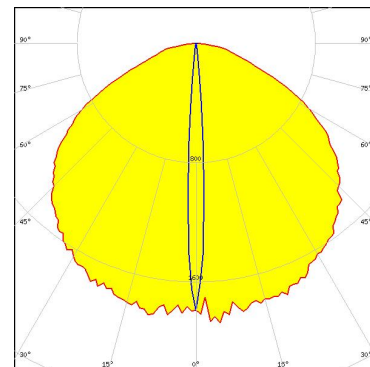


Light distribution files

OPTICAL RESULTS (SIMULATED):



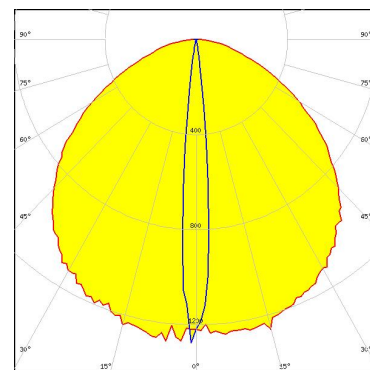
LED XE-G
FWHM / FWTM 117.0 + 6.0° / 159.0 + 14.0°
Efficiency 53 %
Peak intensity 2 cd/lm
LEDs/each optic 7
Light colour/type Red
Required components:



Light distribution files



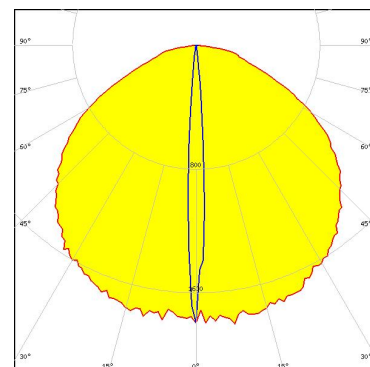
LED XE-G
FWHM / FWTM 111.0 + 10.0° / 158.0 + 18.0°
Efficiency 54 %
Peak intensity 1.3 cd/lm
LEDs/each optic 30
Light colour/type White
Required components:



Light distribution files



LED XE-G
FWHM / FWTM 116.0 + 6.0° / 161.0 + 14.0°
Efficiency 52 %
Peak intensity 1.8 cd/lm
LEDs/each optic 5
Light colour/type White
Required components:

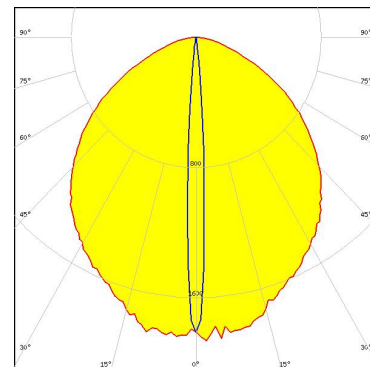


Light distribution files

OPTICAL RESULTS (SIMULATED):



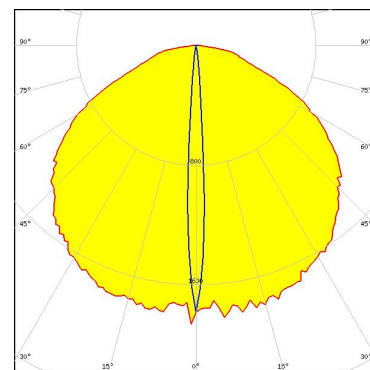
LED XE-G
FWHM / FWTM 102.0 + 6.0° / 150.0 + 14.0°
Efficiency 55 %
Peak intensity 1.9 cd/lm
LEDs/each optic 15
Light colour/type Red
Required components:



Light distribution files



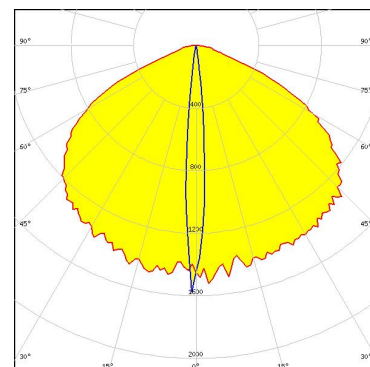
LED XE-G
FWHM / FWTM 118.0 + 6.0° / 162.0 + 13.0°
Efficiency 52 %
Peak intensity 1.9 cd/lm
LEDs/each optic 6
Light colour/type White
Required components:



Light distribution files



LED XM-L RGBW (XMLDCL HD)
FWHM / FWTM 123.0 + 9.0° / 145.0 + 16.0°
Efficiency 54 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:

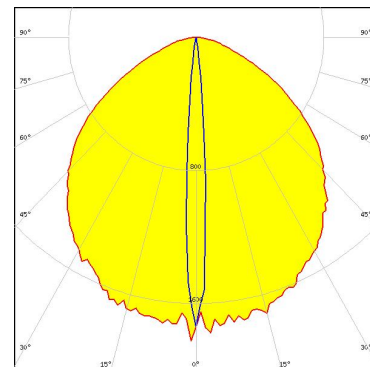


Light distribution files

OPTICAL RESULTS (SIMULATED):



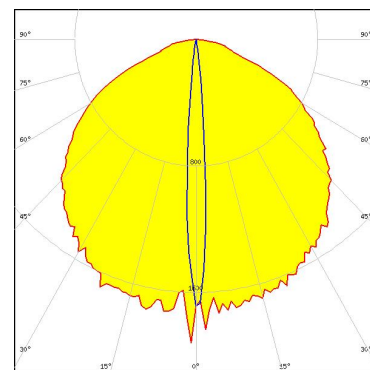
LED XM-L RGBW (XMLDCL HI)
 FWHM / FWTM 104.0 + 8.0° / 148.0 + 16.0°
 Efficiency 56 %
 Peak intensity 1.8 cd/Im
 LEDs/each optic 4
 Light colour/type RGBW
 Required components:



Light distribution files



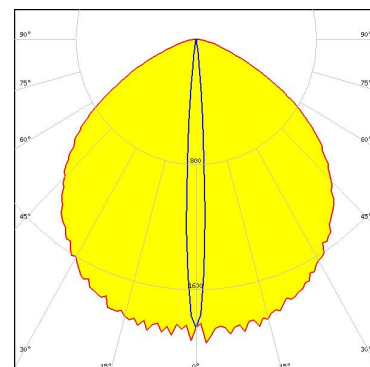
LED XM-L RGBW (XMLDCL HI)
 FWHM / FWTM 110.0 + 8.0° / 153.0 + 15.0°
 Efficiency 53 %
 Peak intensity 1.9 cd/Im
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:



Light distribution files



LED XN-P Color
 FWHM / FWTM 107.0 + 8.0° / 144.0 + 14.0°
 Efficiency 57 %
 Peak intensity 2 cd/Im
 LEDs/each optic 4
 Light colour/type RGBW
 Required components:

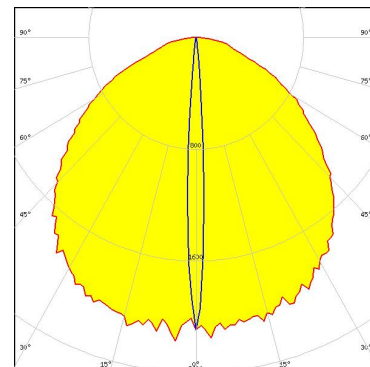


Light distribution files

OPTICAL RESULTS (SIMULATED):



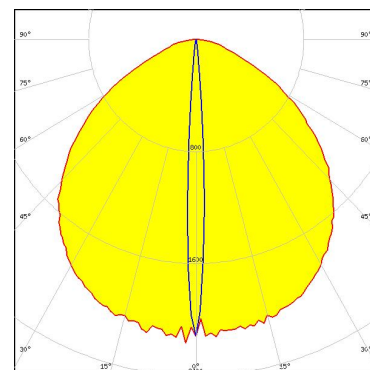
LED XP-E2
 FWHM / FWTM 107.0 + 6.0° / 158.0 + 13.0°
 Efficiency 54 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



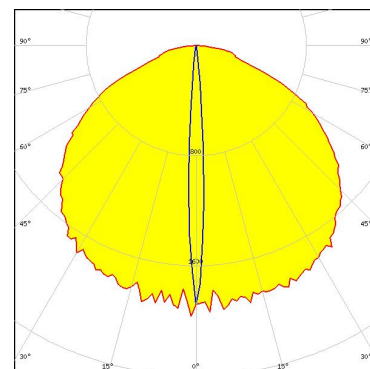
LED XP-E2
 FWHM / FWTM 106.0 + 6.0° / 148.0 + 12.0°
 Efficiency 55 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 4
 Light colour/type White
 Required components:



Light distribution files



LED XP-G2
 FWHM / FWTM 117.0 + 6.0° / 161.0 + 13.0°
 Efficiency 52 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

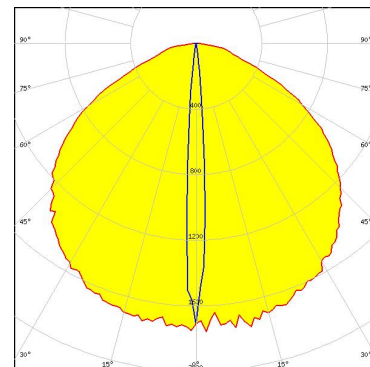


Light distribution files

OPTICAL RESULTS (SIMULATED):



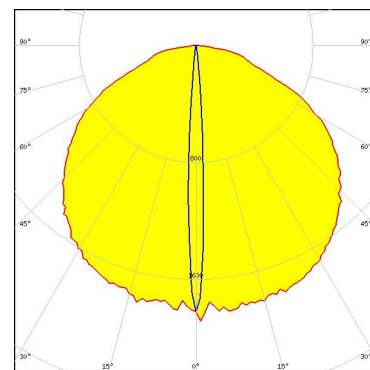
LED XP-L RGBW HI Blend
 FWHM / FWTM 114.0 + 8.0° / 158.0 + 14.0°
 Efficiency 53 %
 Peak intensity 1.8 cd/Im
 LEDs/each optic 4
 Light colour/type RGBW
 Required components:



Light distribution files



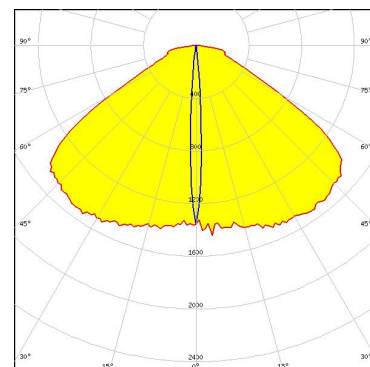
LED XQ-E HI
 FWHM / FWTM 117.0 + 6.0° / 162.0 + 13.0°
 Efficiency 51 %
 Peak intensity 1.9 cd/Im
 LEDs/each optic 4
 Light colour/type RGBW
 Required components:



Light distribution files



LED LUXEON C ES (Blue)
 FWHM / FWTM 120.0 + 7.0° / 163.0 + 14.0°
 Efficiency 48 %
 Peak intensity 1.5 cd/Im
 LEDs/each optic 4
 Light colour/type White
 Required components:

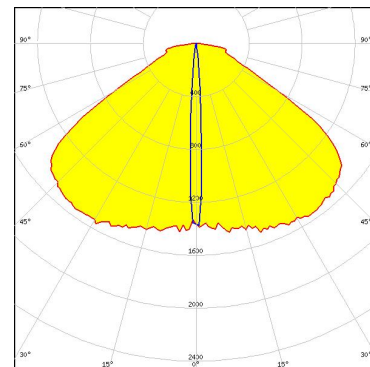


Light distribution files

OPTICAL RESULTS (SIMULATED):



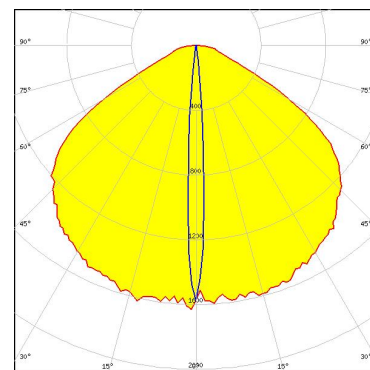
LED LUXEON C ES (Green)
 FWHM / FWTM 118.0 + 7.0° / 164.0 + 14.0°
 Efficiency 49 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 4
 Light colour/type White
 Required components:



Light distribution files



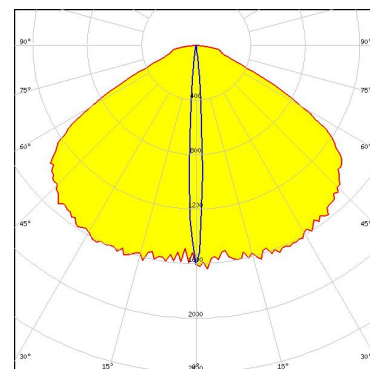
LED LUXEON C ES (Red)
 FWHM / FWTM 116.0 + 7.0° / 144.0 + 14.0°
 Efficiency 53 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 10
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON C ES (Red)
 FWHM / FWTM 122.0 + 6.0° / 159.0 + 14.0°
 Efficiency 50 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 4
 Light colour/type White
 Required components:

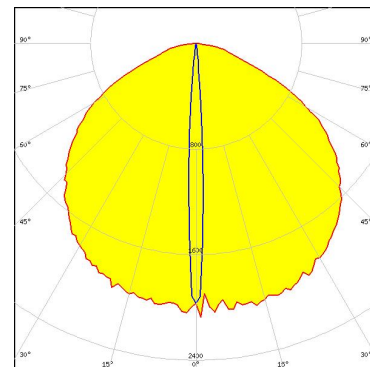


Light distribution files

OPTICAL RESULTS (SIMULATED):



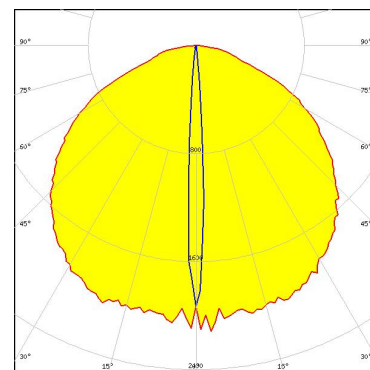
LED LUXEON CZ
 FWHM / FWTM 115.0 + 6.0° / 157.0 + 12.0°
 Efficiency 53 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 4
 Light colour/type RGBW
 Required components:



Light distribution files



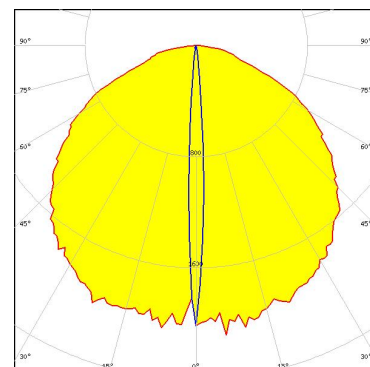
LED LUXEON CZ
 FWHM / FWTM 115.0 + 6.0° / 159.0 + 13.0°
 Efficiency 54 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour/type Red
 Required components:



Light distribution files



LED LUXEON CZ
 FWHM / FWTM 115.0 + 6.0° / 160.0 + 12.0°
 Efficiency 53 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

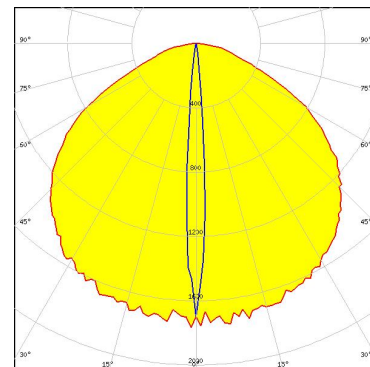


Light distribution files

OPTICAL RESULTS (SIMULATED):



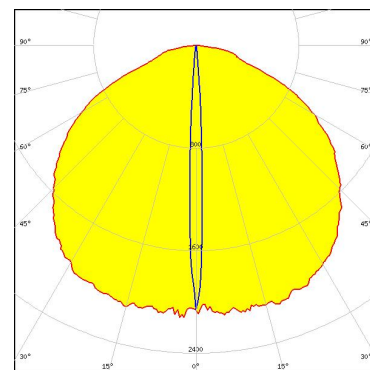
LED LUXEON HL4Z
 FWHM / FWTM 115.0 + 8.0° / 156.0 + 14.0°
 Efficiency 53 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 4
 Light colour/type White
 Required components:



Light distribution files



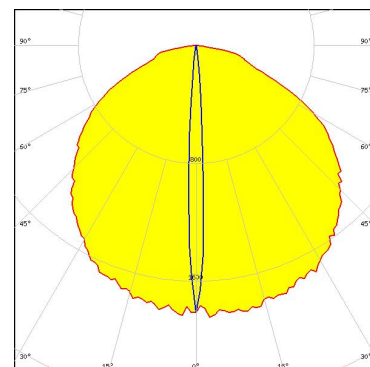
LED LUXEON Rubix
 FWHM / FWTM 119.0 + 5.0° / 160.5 + 11.0°
 Efficiency 50 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 4
 Light colour/type RGBW
 Required components:



Light distribution files



LED NCSxE17A
 FWHM / FWTM 115.0 + 6.0° / 160.0 + 12.0°
 Efficiency 49 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 4
 Light colour/type RGBW
 Required components:

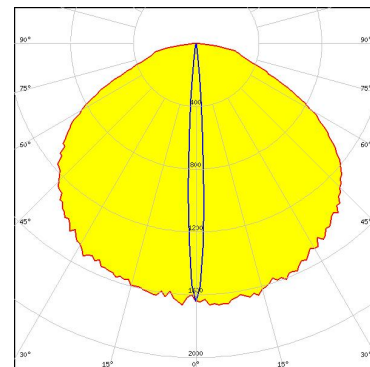


Light distribution files

OPTICAL RESULTS (SIMULATED):



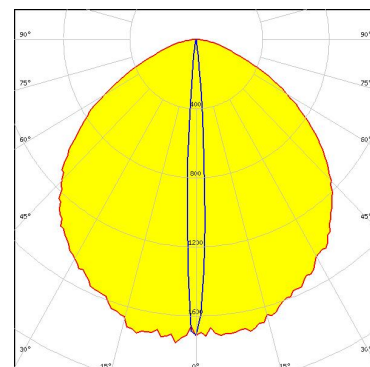
LED NCSxx19B
 FWHM / FWTM 120.0 + 6.0° / 162.0 + 14.0°
 Efficiency 50 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 4
 Light colour/type RGBW
 Required components:



Light distribution files



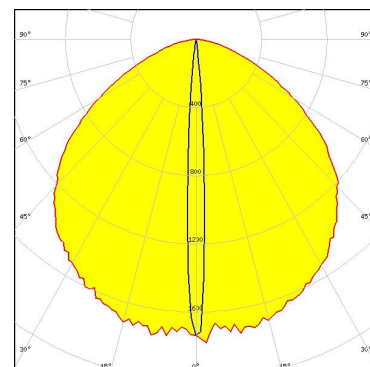
LED NVSR219GL-L1
 FWHM / FWTM 106.0 + 7.0° / 150.0 + 14.0°
 Efficiency 55 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 7
 Light colour/type Red
 Required components:



Light distribution files



LED NVSR219GL-L1
 FWHM / FWTM 110.0 + 6.0° / 152.0 + 14.0°
 Efficiency 55 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 6
 Light colour/type Red
 Required components:

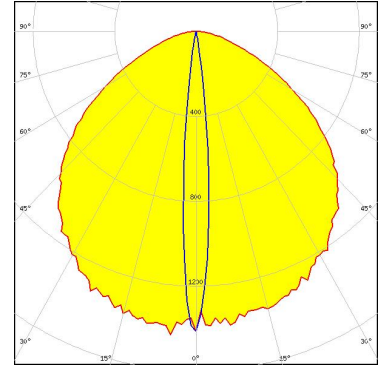


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

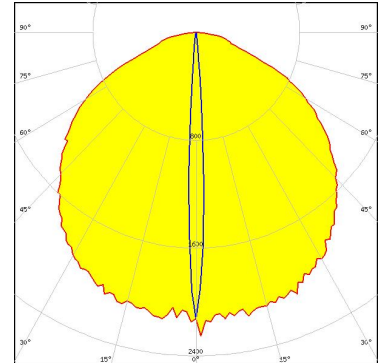
LED DURIS E 5050 (GW J9LHS2.4M)
FWHM / FWTM 108.0 + 10.0° / 151.0 + 18.0°
Efficiency 56 %
Peak intensity 1.5 cd/lm
LEDs/each optic 4
Light colour/type RGBW
Required components:



Light distribution files

OSRAM
Opto Semiconductors

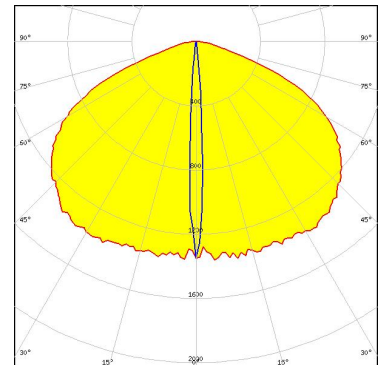
LED OSLO Pure 1414
FWHM / FWTM 112.0 + 6.0° / 158.0 + 12.0°
Efficiency 53 %
Peak intensity 2.3 cd/lm
LEDs/each optic 4
Light colour/type RGBW
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLO SSL 150
FWHM / FWTM 132.0 + 6.0° / 154.0 + 14.0°
Efficiency 51 %
Peak intensity 1.5 cd/lm
LEDs/each optic 7
Light colour/type Red
Required components:

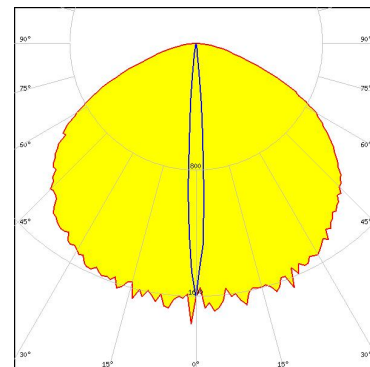


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

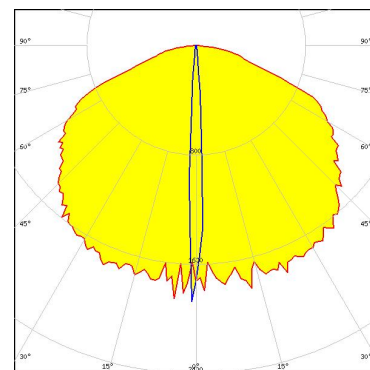
LED OSLON SSL 150
FWHM / FWTM 119.0 + 6.0° / 156.0 + 14.0°
Efficiency 52 %
Peak intensity 1.8 cd/lm
LEDs/each optic 6
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

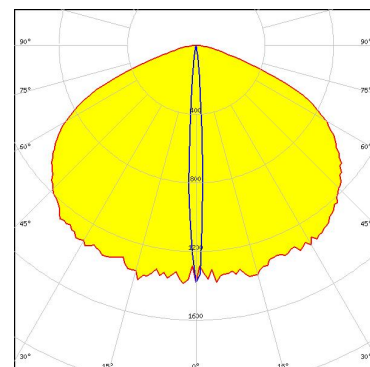
LED OSLON SSL 150
FWHM / FWTM 131.0 + 6.0° / 162.0 + 12.0°
Efficiency 51 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLON SSL 150
FWHM / FWTM 130.0 + 6.0° / 153.0 + 14.0°
Efficiency 52 %
Peak intensity 1.4 cd/lm
LEDs/each optic 8
Light colour/type Red
Required components:

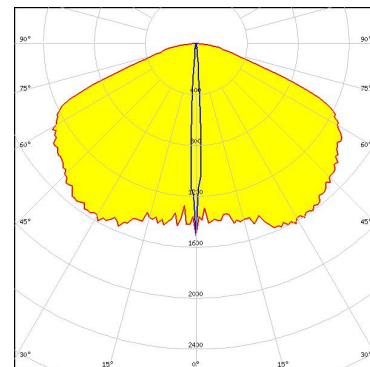


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

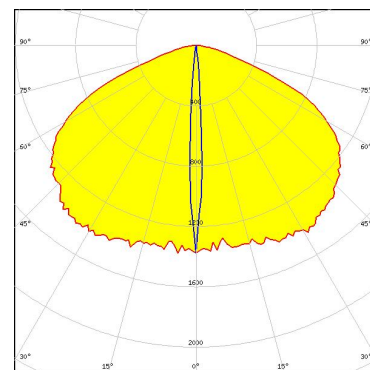
LED OSLON SSL 150
FWHM / FWTM 137.0 + 6.0° / 161.0 + 12.0°
Efficiency 49 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour/type Red
Required components:



Light distribution files

OSRAM
Opto Semiconductors

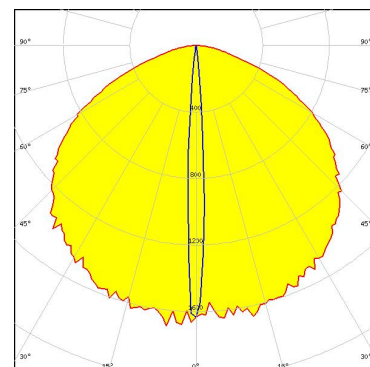
LED OSLON SSL 150
FWHM / FWTM 132.0 + 6.0° / 156.0 + 13.0°
Efficiency 51 %
Peak intensity 1.5 cd/lm
LEDs/each optic 6
Light colour/type Red
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLON SSL 150
FWHM / FWTM 118.0 + 6.0° / 154.0 + 13.0°
Efficiency 53 %
Peak intensity 1.8 cd/lm
LEDs/each optic 7
Light colour/type White
Required components:

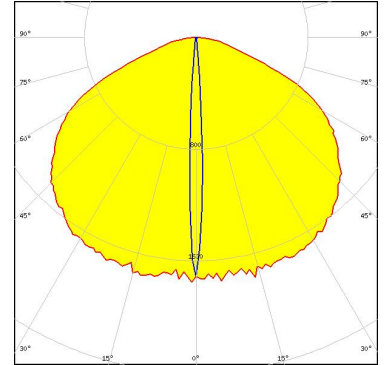


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

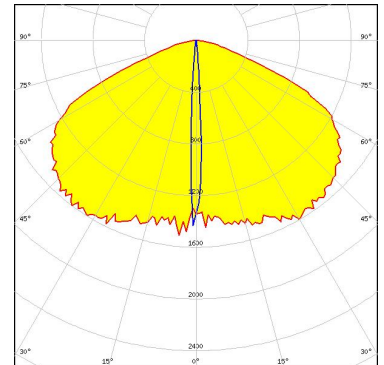
LED OSLON SSL 150
FWHM / FWTM 126.0 + 6.0° / 159.0 + 12.0°
Efficiency 52 %
Peak intensity 1.9 cd/lm
LEDs/each optic 4
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

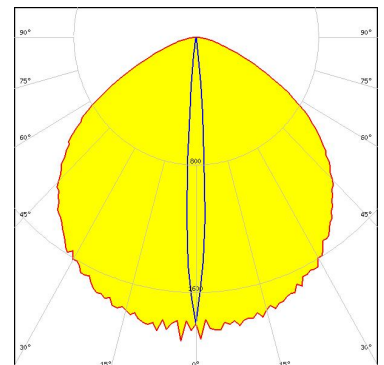
LED OSLON SSL 150
FWHM / FWTM 133.0 + 6.0° / 157.0 + 12.0°
Efficiency 51 %
Peak intensity 1.6 cd/lm
LEDs/each optic 4
Light colour/type Red
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSTAR Stage (S2WN)
FWHM / FWTM 108.0 + 8.0° / 146.0 + 14.0°
Efficiency 56 %
Peak intensity 1.9 cd/lm
LEDs/each optic 4
Light colour/type RGBW
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 7
FI-24100 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

[www.ledil.com/
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Poznan, Poland
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