

LR2-RS

~9.6° spot beam optimized for LUXEON Rebel ES. 14.8 mm high assembly with installation tape.

SPECIFICATION:

Dimensions	Ø 21.6
Height	14.8 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

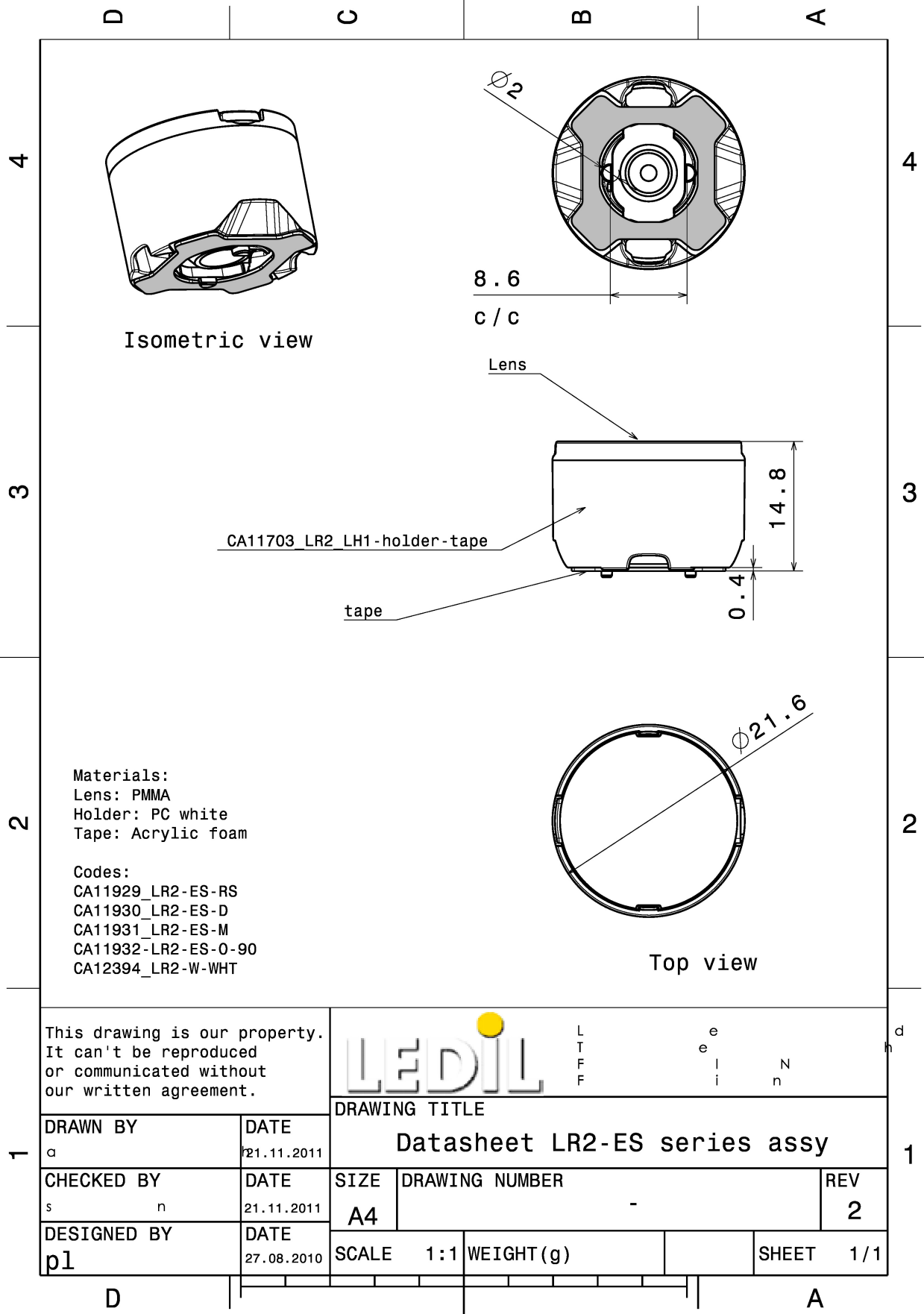


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
LXP2-RS	Single lens	PMMA	clear		
LR2-ES-LH1-HLD	Holder	PC	white		
HEIDI-TAPE	Tape	Acrylic foam tape	black		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA11929_LR2-RS » Box size: 480 x 280 x 300 mm	1680	336	112	9.3



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DRAWING TITLE

Datasheet LR2-ES series assy

DRAWN BY a	DATE 21.11.2011
CHECKED BY s n	DATE 21.11.2011
DESIGNED BY pl	DATE 27.08.2010

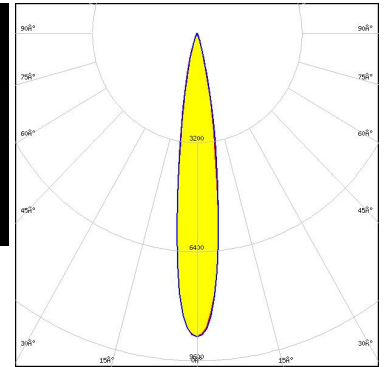
SIZE A4	DRAWING NUMBER -	REV 2
SCALE 1:1	WEIGHT (g)	SHEET 1/1

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

OPTICAL RESULTS (MEASURED):



LED XP-L HD
FWHM / FWTM 16.0° / 31.0°
Efficiency 91 %
Peak intensity 8.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



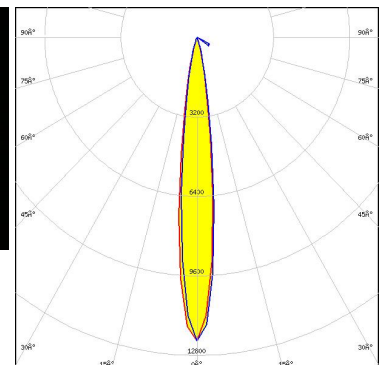
Light distribution files



LED LUXEON Rebel ES
FWHM / FWTM 11.0°
Efficiency 94 %
LEDs/each optic 1
Light colour/type White
Required components:



LED LUXEON T
FWHM / FWTM 12.0° / 23.0°
Efficiency 91 %
Peak intensity 12.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

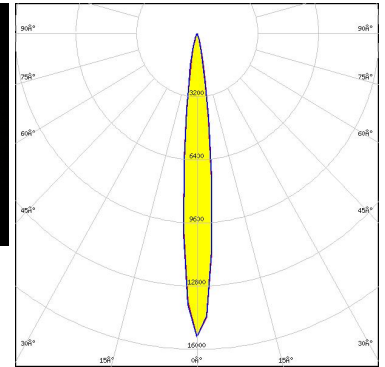


Light distribution files

OPTICAL RESULTS (MEASURED):



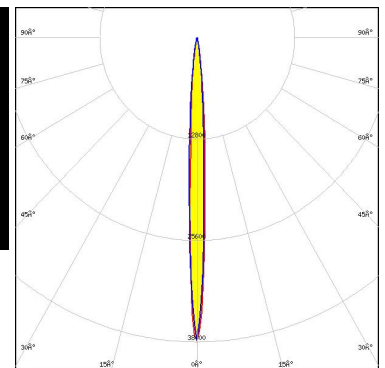
LED LUXEON TX
FWHM / FWTM 11.0° / 23.0°
Efficiency 91 %
Peak intensity 15.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



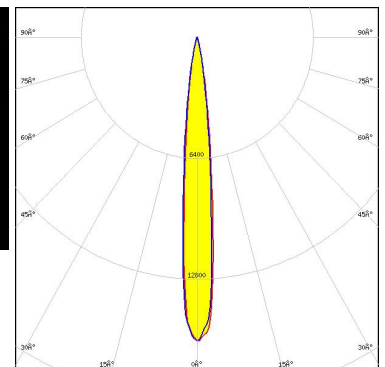
LED LUXEON Z ES
FWHM / FWTM 6.0° / 16.0°
Efficiency 91 %
Peak intensity 38.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NVSxx19B/NVSxx19C
FWHM / FWTM 11.0° / 23.0°
Efficiency 94 %
Peak intensity 16 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

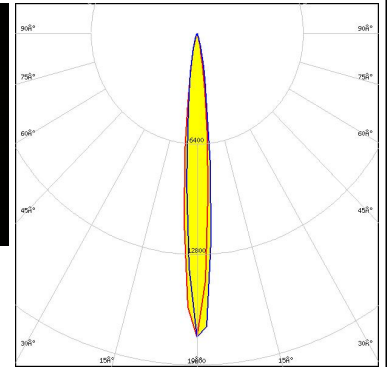


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED OSLON Square EC
FWHM / FWTM 10.0° / 22.0°
Efficiency 92 %
Peak intensity 17.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

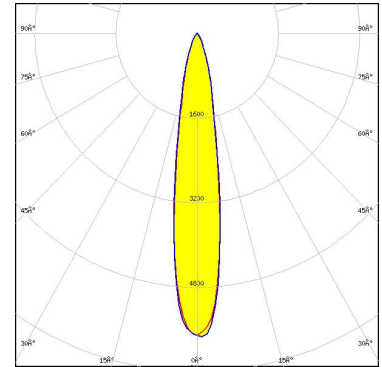
LED PLPVEC2 850A
FWHM / FWTM 5.0° / 12.0°
Efficiency %
LEDs/each optic 1
Light colour/type IR
Required components:

Light distribution files

OPTICAL RESULTS (SIMULATED):



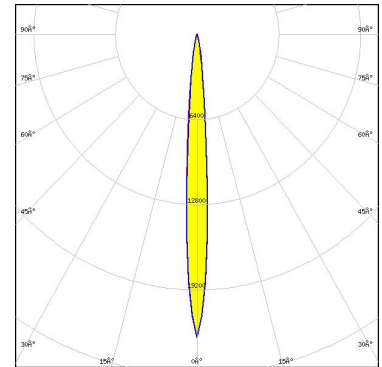
LED J Series 5050 Round LES
 FWHM / FWTM 18.0° / 41.0°
 Efficiency 95 %
 Peak intensity 5.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



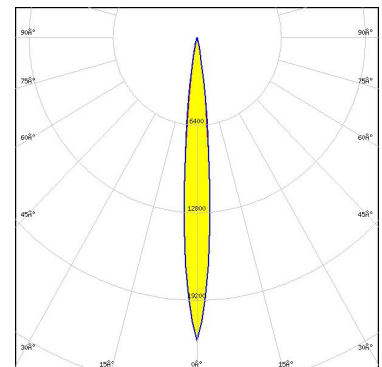
LED XD16
 FWHM / FWTM 8.0° / 18.0°
 Efficiency 91 %
 Peak intensity 22.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XP-G2
 FWHM / FWTM 10.0° / 20.0°
 Efficiency 95 %
 Peak intensity 22.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

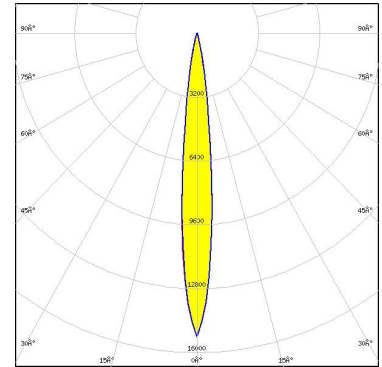


Light distribution files

OPTICAL RESULTS (SIMULATED):



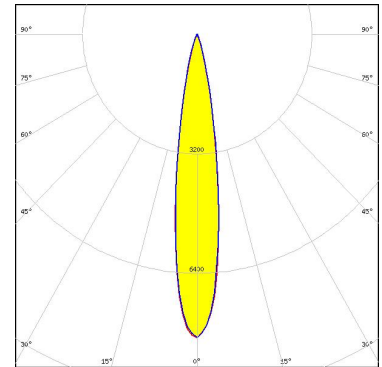
LED XP-G3
 FWHM / FWTM 12.0° / 24.0°
 Efficiency 94 %
 Peak intensity 15.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



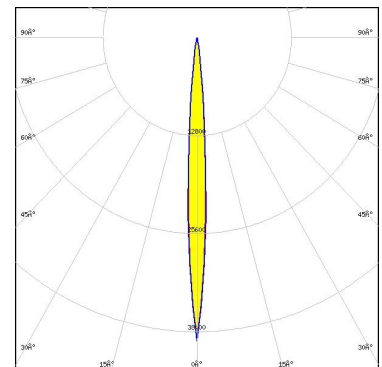
LED XP-L2
 FWHM / FWTM 16.0° / 32.0°
 Efficiency 93 %
 Peak intensity 8.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XQ-E HD
 FWHM / FWTM 7.0° / 15.0°
 Efficiency 92 %
 Peak intensity 39 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

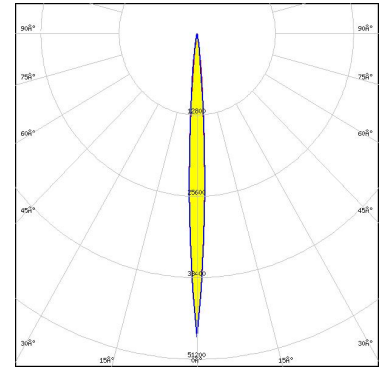


Light distribution files

OPTICAL RESULTS (SIMULATED):



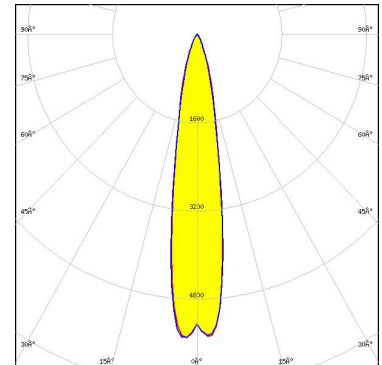
LED XQ-E HI
FWHM / FWTM 6.0° / 14.0°
Efficiency 93 %
Peak intensity 47.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



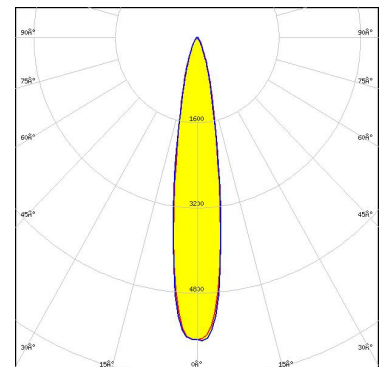
LED LUXEON 5050 Round LES
FWHM / FWTM 18.0° / 41.0°
Efficiency 96 %
Peak intensity 5.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON 5050 Square LES
FWHM / FWTM 18.0° / 40.0°
Efficiency 97 %
Peak intensity 5.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

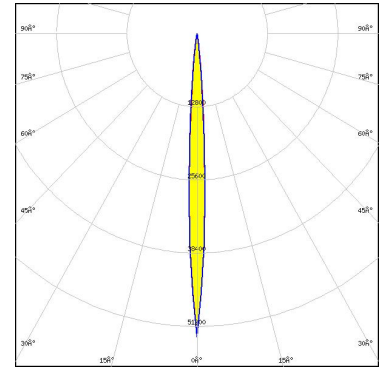


Light distribution files

OPTICAL RESULTS (SIMULATED):



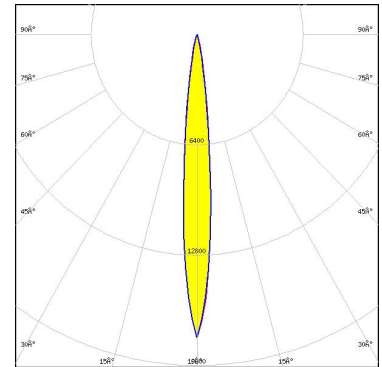
LED LUXEON CZ
FWHM / FWTM 6.0° / 14.0°
Efficiency 95 %
Peak intensity 53 cd/lm
LEDs/each optic 1
Light colour/type Red
Required components:



Light distribution files



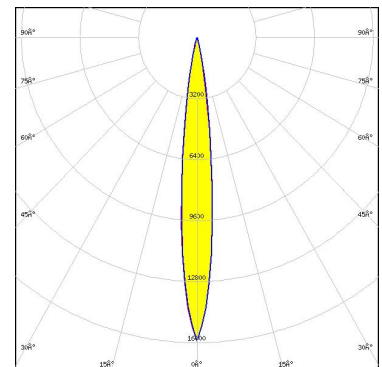
LED LUXEON H50-2
FWHM / FWTM 10.5° / 22.0°
Efficiency 93 %
Peak intensity 17.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON HL2X
FWHM / FWTM 12.0° / 24.0°
Efficiency 94 %
Peak intensity 15.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

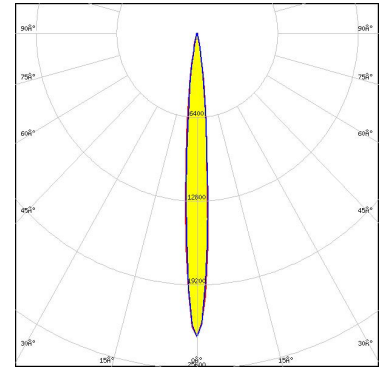


Light distribution files

OPTICAL RESULTS (SIMULATED):



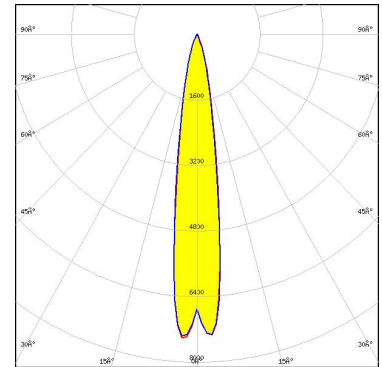
LED LUXEON IR Domed 60 (L110-0xxx060000000)
FWHM / FWTM 8.0° / 20.0°
Efficiency 92 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files



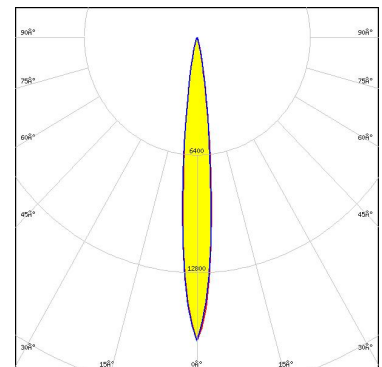
LED LUXEON MZ
FWHM / FWTM 16.0° / 34.0°
Efficiency 95 %
Peak intensity 7.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

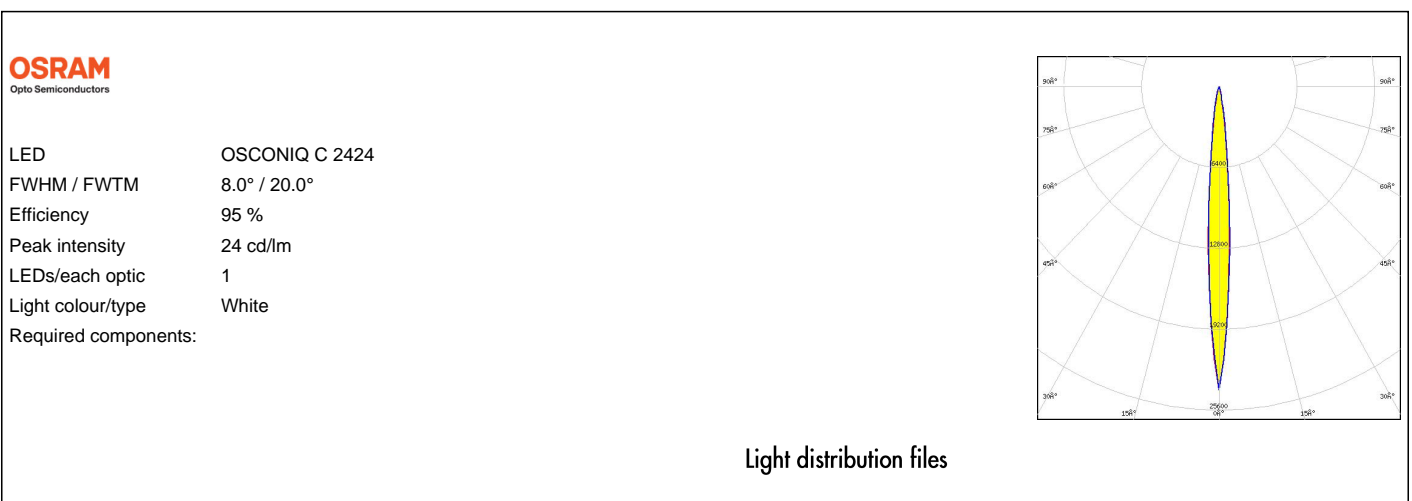
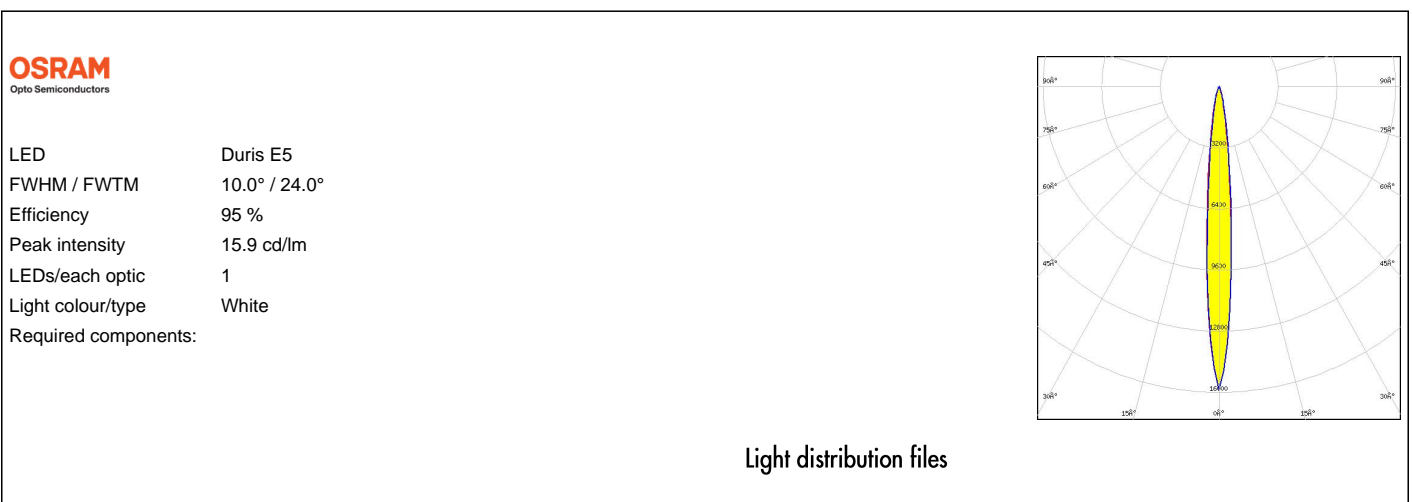
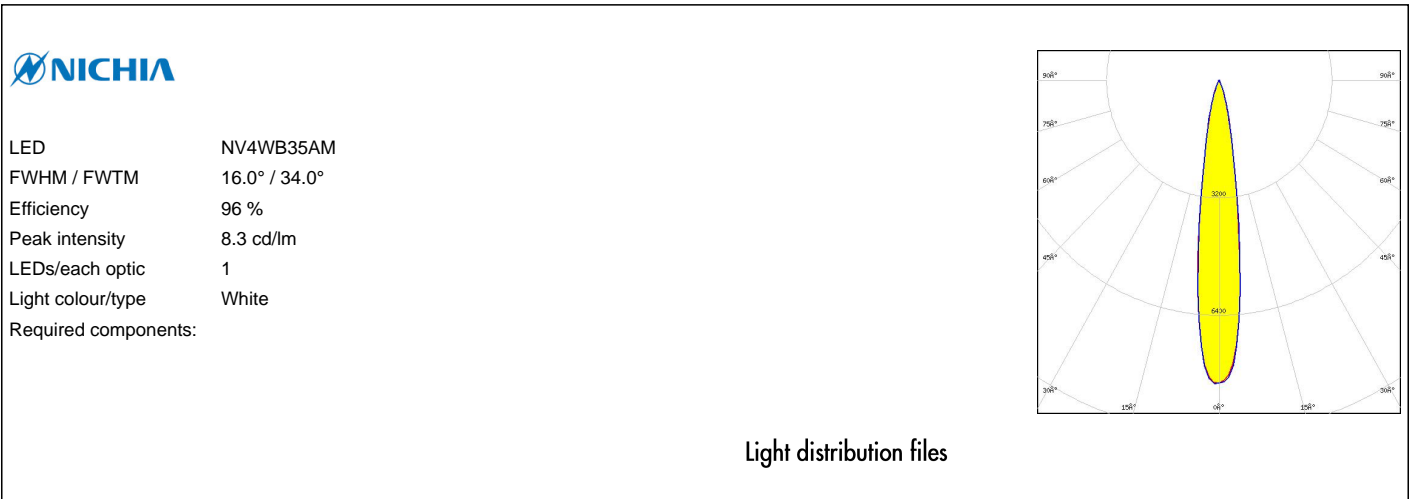


LED LUXEON V2
FWHM / FWTM 11.0° / 24.0°
Efficiency 94 %
Peak intensity 16.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

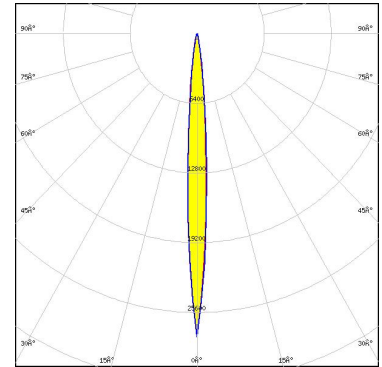
OPTICAL RESULTS (SIMULATED):



OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

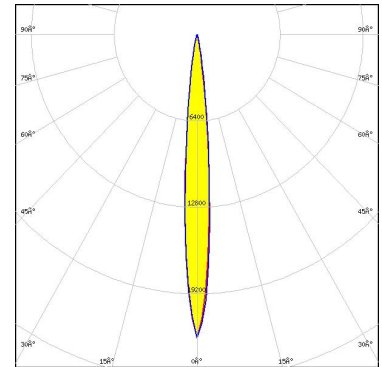
LED OSCONIQ P 3030
FWHM / FWTM 8.0° / 18.0°
Efficiency 94 %
Peak intensity 27.8 cd/lm
LEDs/each optic 1
Light colour/type Blue
Required components:



Light distribution files

OSRAM
Opto Semiconductors

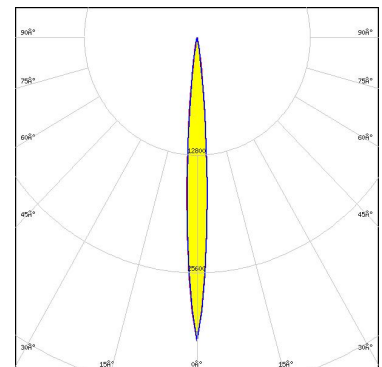
LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 10.0° / 20.0°
Efficiency 95 %
Peak intensity 22.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLON SSL 120
FWHM / FWTM 8.0° / 16.0°
Efficiency 95 %
Peak intensity 33 cd/lm
LEDs/each optic 1
Light colour/type Amber
Required components:

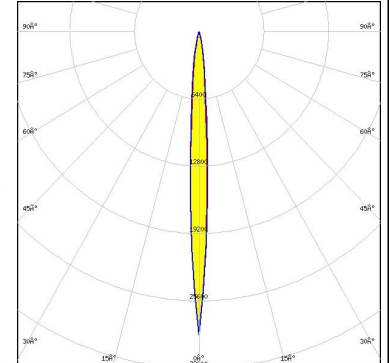
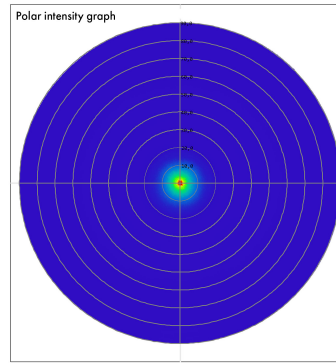


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

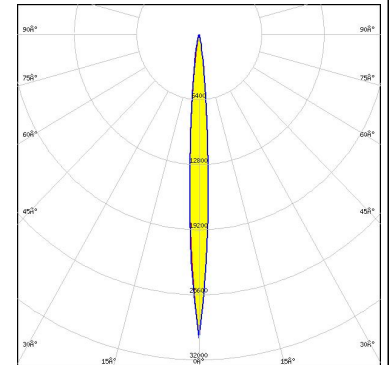
LED SFH 4715AS
FWHM / FWTM 6.0° / 19.0°
Efficiency 94 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED SFH 4770S
FWHM / FWTM 8.0° / 18.0°
Efficiency 95 %
Peak intensity 29.9 cd/lm
LEDs/each optic 1
Light colour/type IR
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

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