

## LR2-M

~25° medium 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 ⓘ

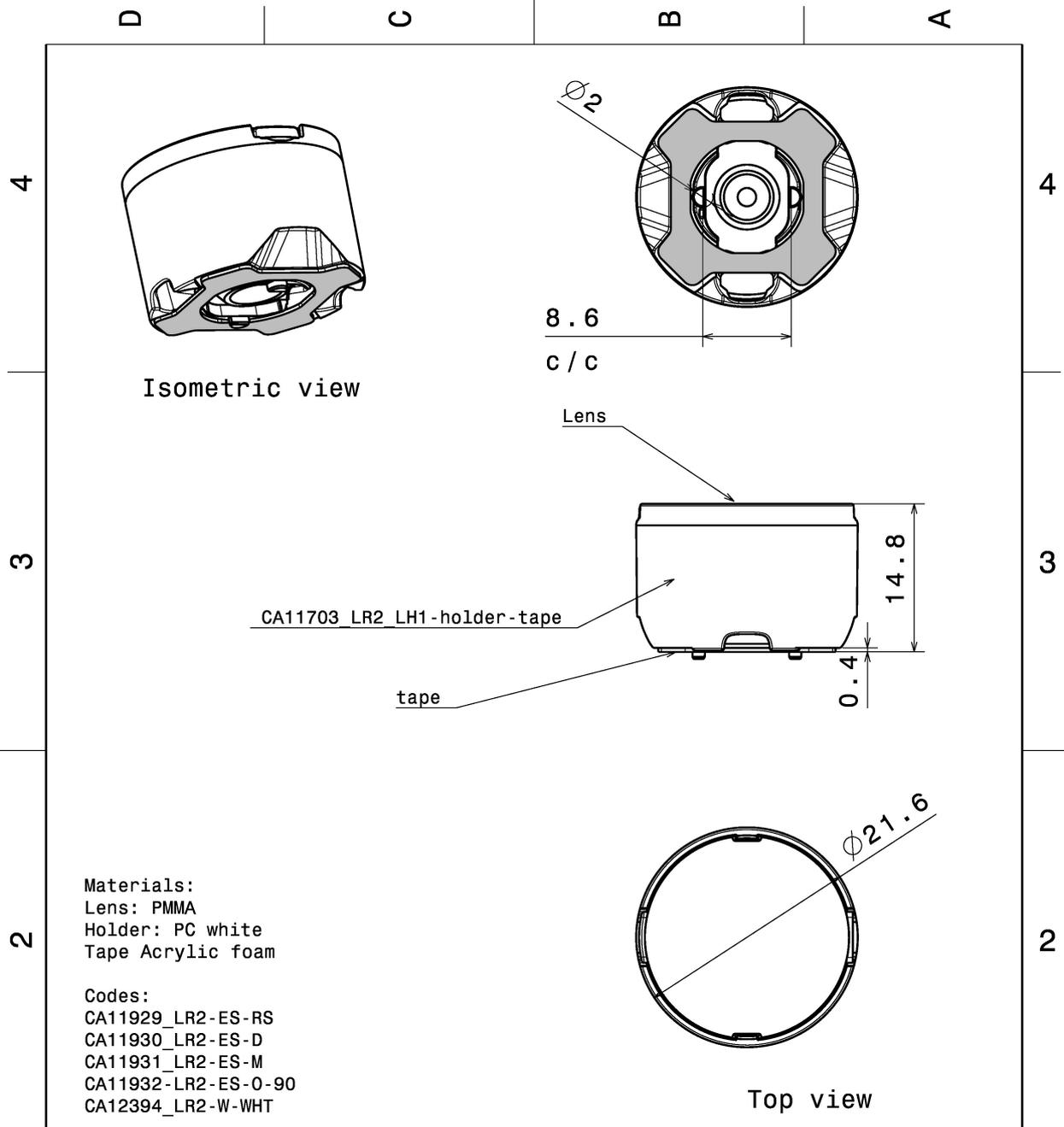


### MATERIALS:

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

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA11931_LR2-M » Box size: 480 x 280 x 300 mm	1680	336	112	9.0



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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

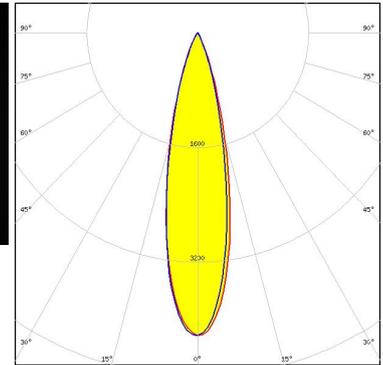
SIZE A4	DRAWING NUMBER -	REV 2
SCALE 1:1	WEIGHT (g)	SHEET 1/1

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

### OPTICAL RESULTS (MEASURED):



**LED** XP-L HD  
**FWHM / FWTM** 24.0° / 46.0°  
**Efficiency** 90 %  
**Peak intensity** 4.2 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



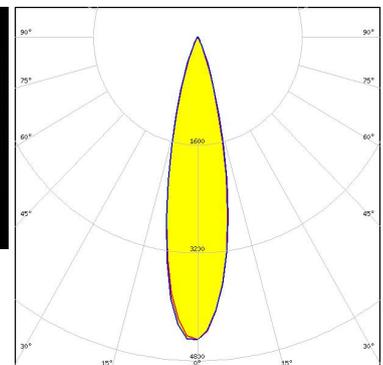
Light distribution files



**LED** LUXEON Rebel ES  
**FWHM / FWTM** 22.0°  
**Efficiency** 92 %  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



**LED** LUXEON T  
**FWHM / FWTM** 25.0° / 44.0°  
**Efficiency** 90 %  
**Peak intensity** 4.4 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

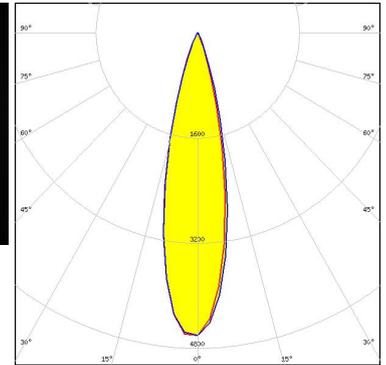
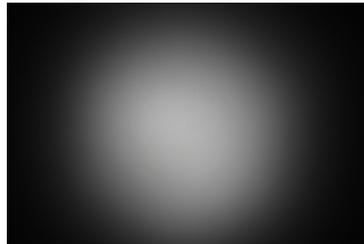


Light distribution files

### OPTICAL RESULTS (MEASURED):



**LED** LUXEON TX  
**FWHM / FWTM** 24.0° / 42.0°  
**Efficiency** 90 %  
**Peak intensity** 4.6 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



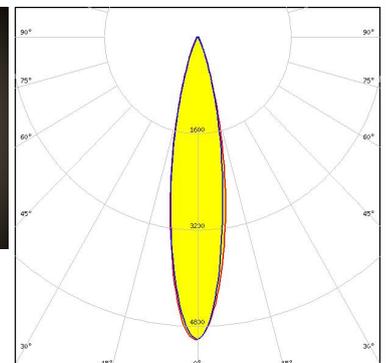
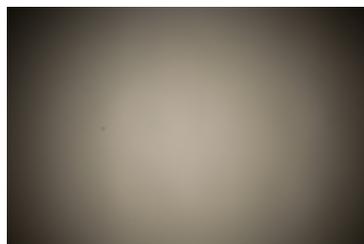
**LED** LUXEON Z ES  
**FWHM / FWTM** 23.0° / 40.0°  
**Efficiency** 90 %  
**Peak intensity** 5.2 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** NVSxx19B/NVSxx19C  
**FWHM / FWTM** 22.0° / 42.0°  
**Efficiency** 94 %  
**Peak intensity** 5 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

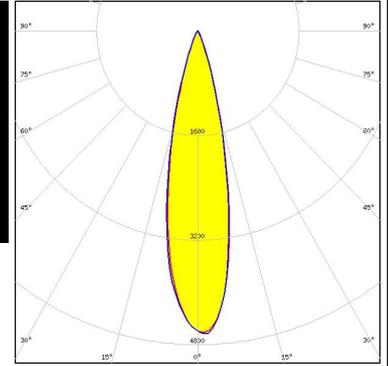


Light distribution files

### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

LED OSLON Square EC  
FWHM / FWTM 25.0° / 42.0°  
Efficiency 89 %  
Peak intensity 4.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

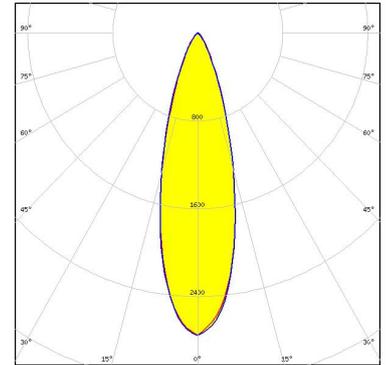


Light distribution files

### OPTICAL RESULTS (SIMULATED):



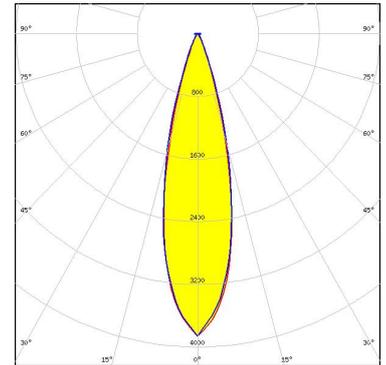
LED J Series 5050 Round LES  
FWHM / FWTM 28.0° / 56.0°  
Efficiency 94 %  
Peak intensity 2.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



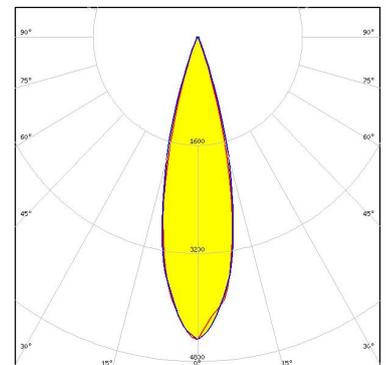
LED XD16  
FWHM / FWTM 26.0° / 45.0°  
Efficiency 91 %  
Peak intensity 3.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XQ-E HD  
FWHM / FWTM 26.0° / 42.0°  
Efficiency 94 %  
Peak intensity 4.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

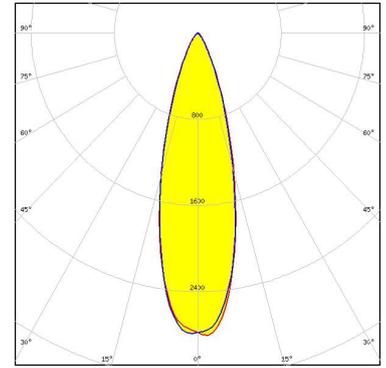


Light distribution files

### OPTICAL RESULTS (SIMULATED):



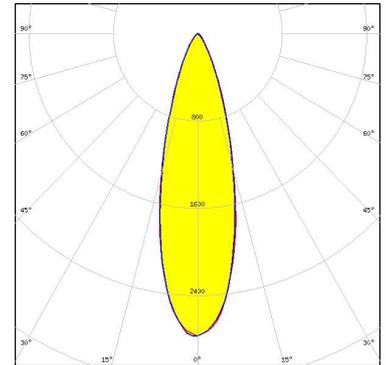
LED LUXEON 5050 Round LES  
FWHM / FWTM 30.0° / 56.0°  
Efficiency 94 %  
Peak intensity 2.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



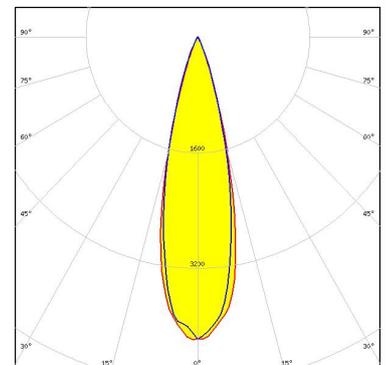
LED LUXEON 5050 Square LES  
FWHM / FWTM 29.0° / 57.0°  
Efficiency 96 %  
Peak intensity 2.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED LUXEON H50-2  
FWHM / FWTM 25.0° / 43.0°  
Efficiency 92 %  
Peak intensity 4.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

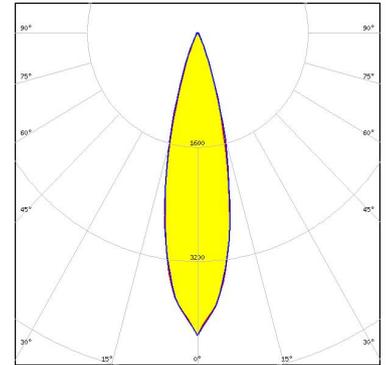


Light distribution files

### OPTICAL RESULTS (SIMULATED):



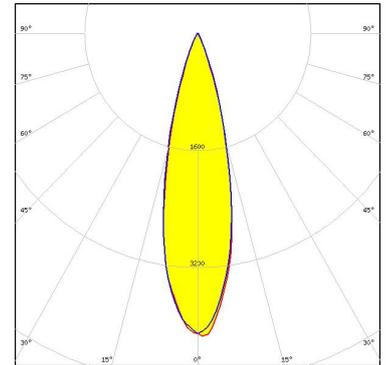
LED LUXEON IR Domed 60 (L110-0xxx060000000)  
 FWHM / FWTM 24.0° / 44.0°  
 Efficiency 93 %  
 LEDs/each optic 1  
 Light colour/type IR  
 Required components:



Light distribution files



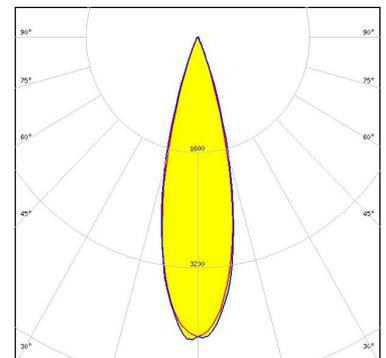
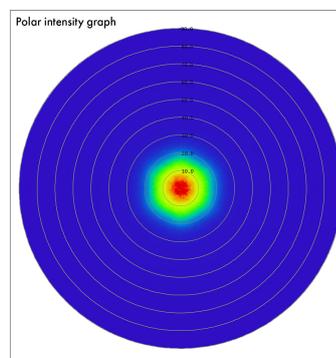
LED LUXEON V2  
 FWHM / FWTM 26.0° / 45.0°  
 Efficiency 94 %  
 Peak intensity 4.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED SST-10-IR-B90  
 FWHM / FWTM 26.0° / 42.0°  
 Efficiency 94 %  
 LEDs/each optic 1  
 Light colour/type IR  
 Required components:

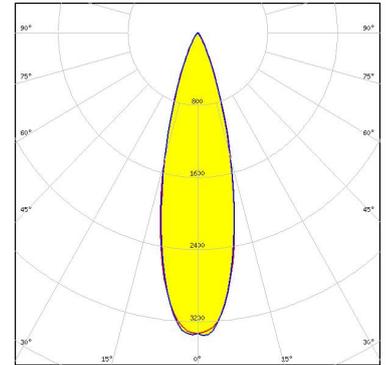


Light distribution files

### OPTICAL RESULTS (SIMULATED):



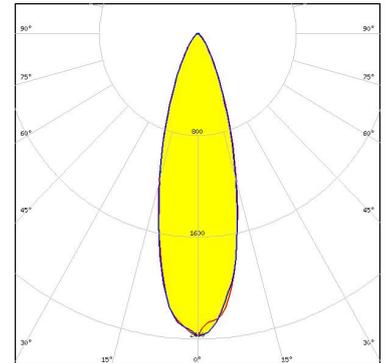
LED NV4WB35AM  
FWHM / FWTM 28.0° / 50.0°  
Efficiency 95 %  
Peak intensity 3.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



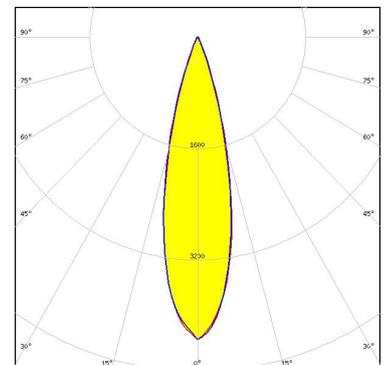
LED Duris S8  
FWHM / FWTM 30.0° / 61.0°  
Efficiency 93 %  
Peak intensity 2.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED OSLOM Square CSSRM2/CSSRM3  
FWHM / FWTM 26.0° / 43.0°  
Efficiency 95 %  
Peak intensity 4.3 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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