

LR2-M

~25° medium beam optimized for LUXEON Rebel ES. 14.8 mm high assembly with installation tape.

SPECIFICATION:

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

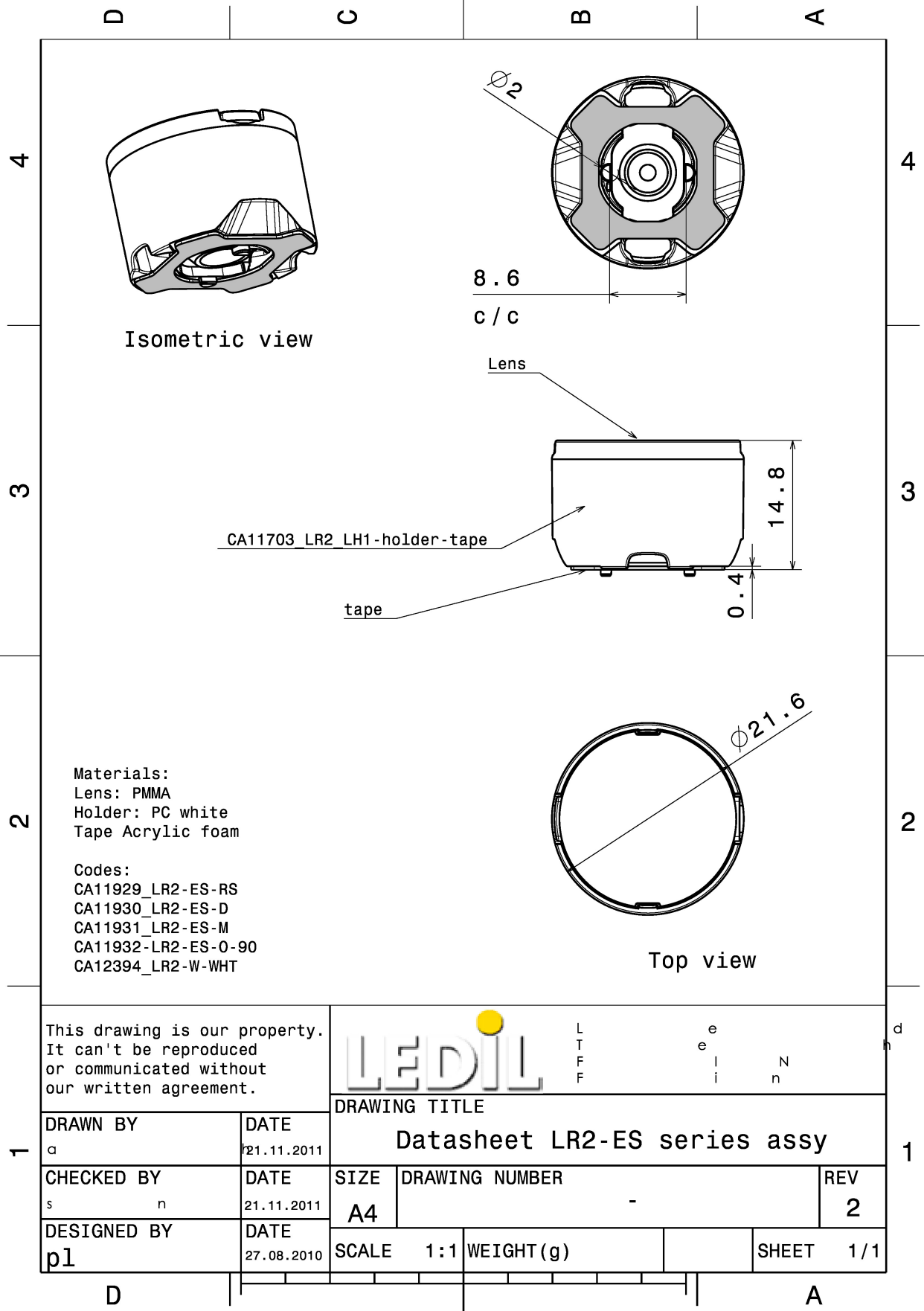
MATERIALS:

| Component | Type | Material | Colour | Finish | Length |
|----------------|-------------|--------------|--------|--------|--------|
| LXP2-M | Single lens | PMMA | clear | | 21.6 |
| LR2-ES-LH1-HLD | Holder | PC | white | | 21.6 |
| 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 |

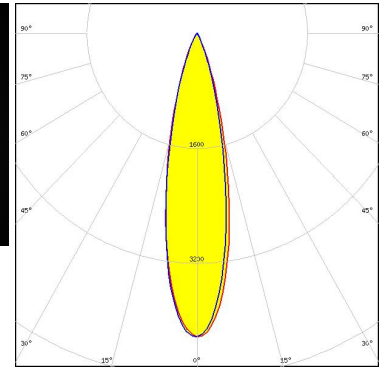
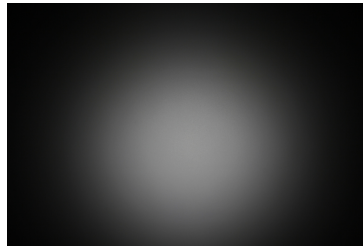
| | | |
|--------------|---------------------|--------------|
| SIZE A4 | DRAWING NUMBER - | REV 2 |
| SCALE 1:1 | WEIGHT (g) | SHEET 1/1 |

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

OPTICAL RESULTS (MEASURED):



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



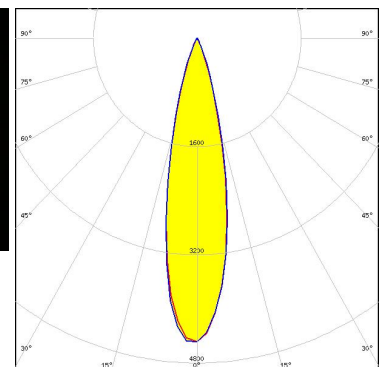
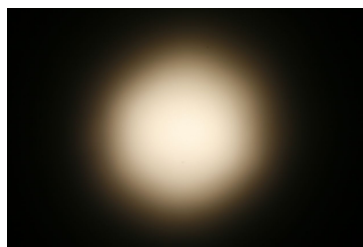
Light distribution files



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/m
LEDs/each optic 1
Light colour/type White
Required components:

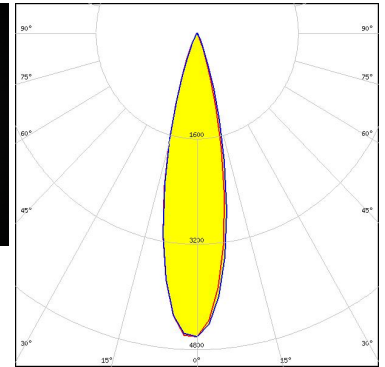
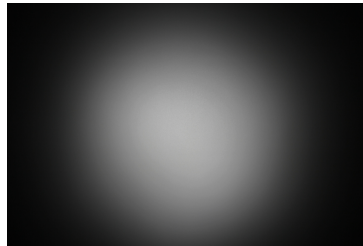


Light distribution files

OPTICAL RESULTS (MEASURED):



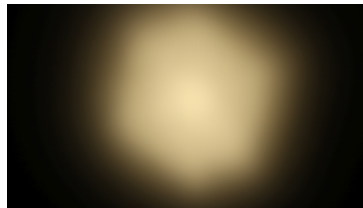
LED LUXEON TX
FWHM / FWTM 24.0° / 42.0°
Efficiency 90 %
Peak intensity 4.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



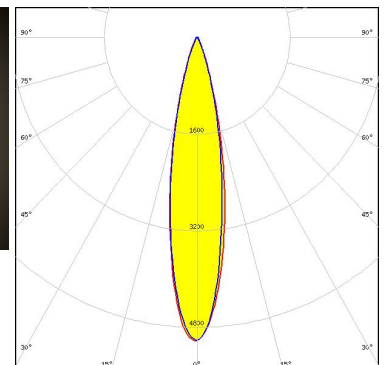
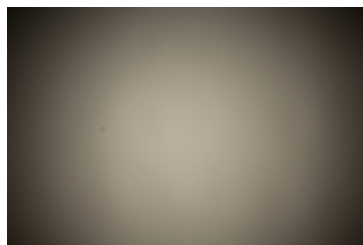
Light distribution files



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:



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:

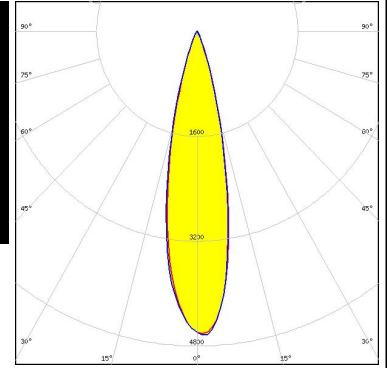
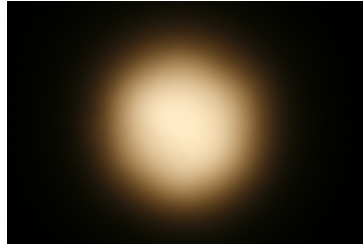


Light distribution files

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:

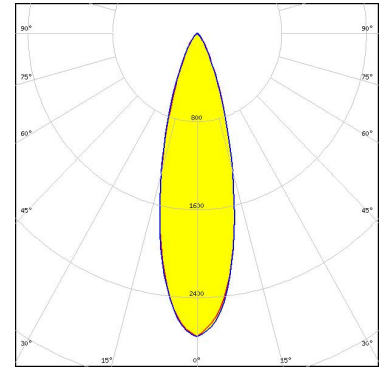


Light distribution files

OPTICAL RESULTS (SIMULATED):



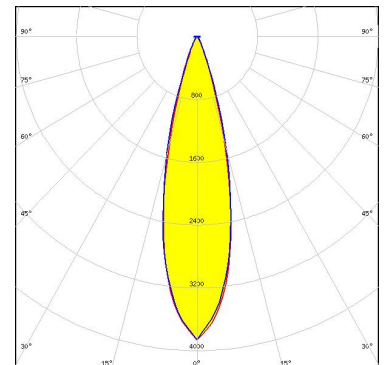
LED J Series 5050 Round LES
FWHM / FWTM 28.0° / 56.0°
Efficiency 94 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



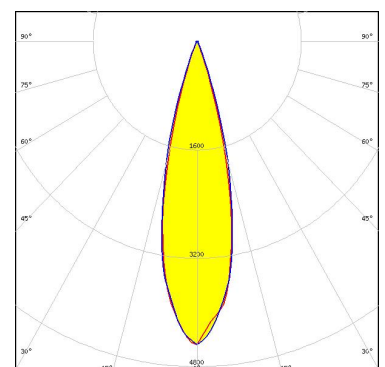
Light distribution files



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:



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:

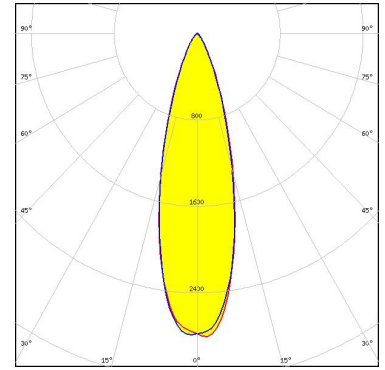


Light distribution files

OPTICAL RESULTS (SIMULATED):



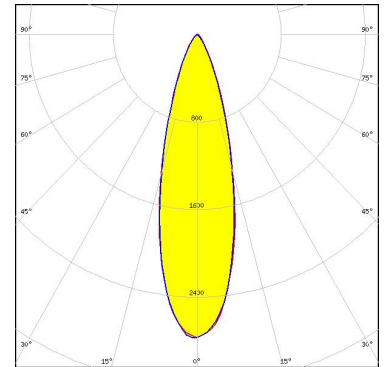
LED LUXEON 5050 Round LES
FWHM / FWTM 30.0° / 56.0°
Efficiency 94 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



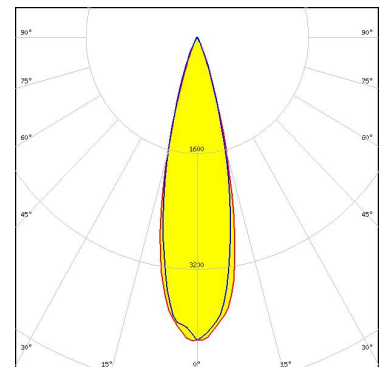
LED LUXEON 5050 Square LES
FWHM / FWTM 29.0° / 57.0°
Efficiency 96 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



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:

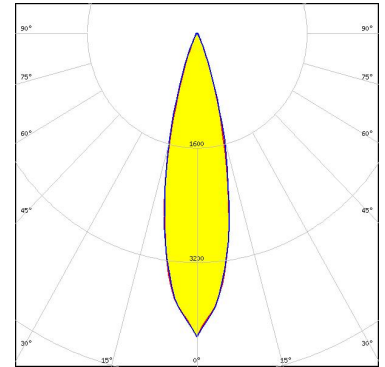


Light distribution files

OPTICAL RESULTS (SIMULATED):



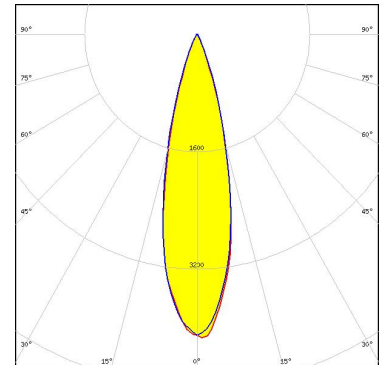
LED LUXEON IR Domed 60 (L110-0xxx060000000)
FWHM / FWTM 24.0° / 44.0°
Efficiency 93 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files



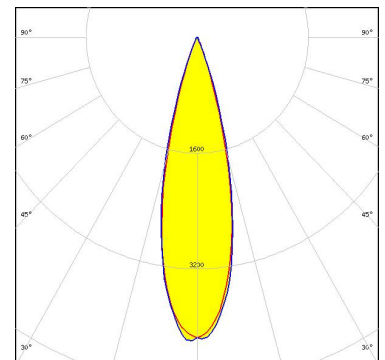
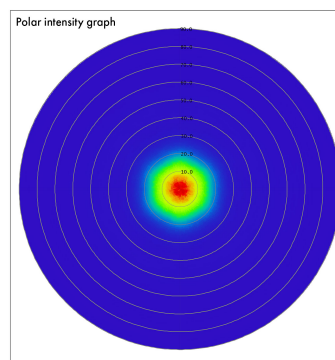
LED LUXEON V2
FWHM / FWTM 26.0° / 45.0°
Efficiency 94 %
Peak intensity 4.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



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:

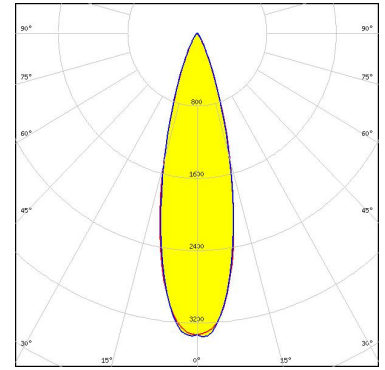


Light distribution files

OPTICAL RESULTS (SIMULATED):



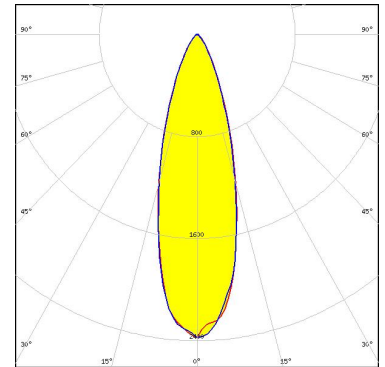
LED NV4WB35AM
FWHM / FWTM 28.0° / 50.0°
Efficiency 95 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



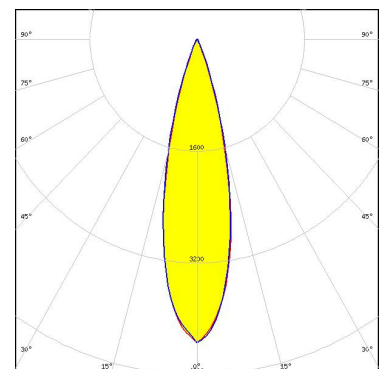
LED Duris S8
FWHM / FWTM 30.0° / 61.0°
Efficiency 93 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



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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