

LR2-D

~14° diffused spot beam optimized for LUXEON Rebel ES. 14.8 mm high assembly with installation tape.

TECHNICAL SPECIFICATIONS:

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

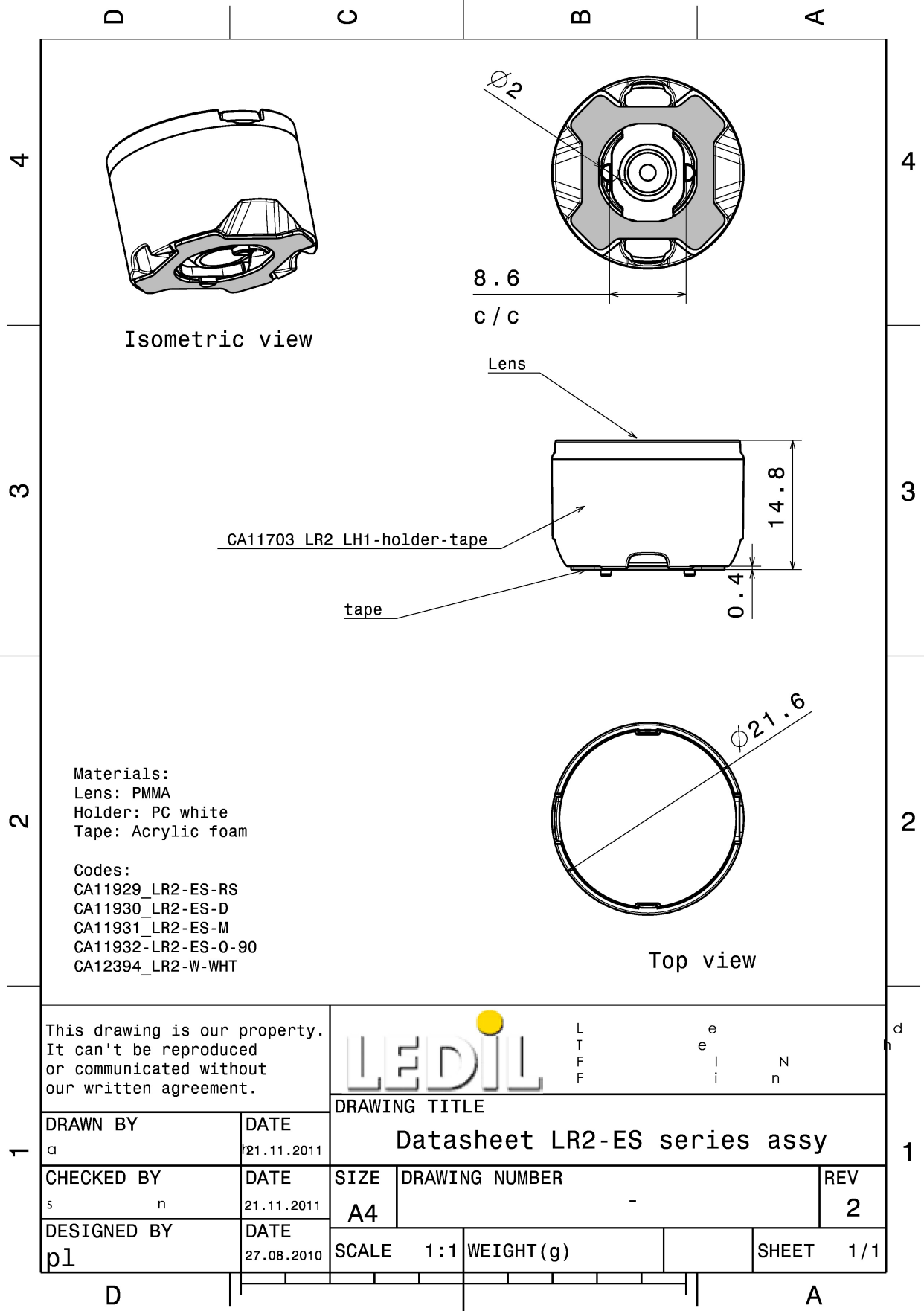
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
LXP2-D	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)
CA11930_LR2-D	Single lens	1680	336	112	9.6
» Box size: 480 x 280 x 300 mm					





This drawing is our property. It can't be reproduced or communicated without our written agreement.



L
T
F
F

e
e
i
n

d

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

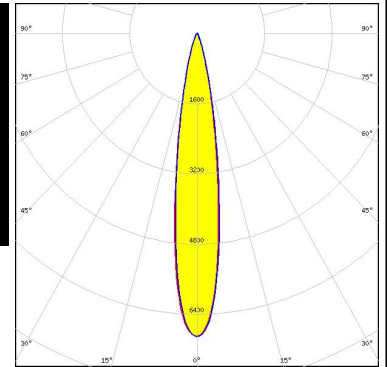
SCALE: 1:1
WEIGHT (g):
SHEET: 1/1

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

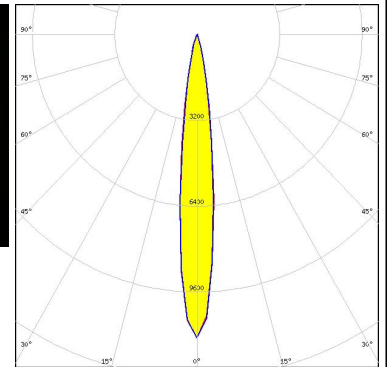
PHOTOMETRIC DATA (MEASURED):



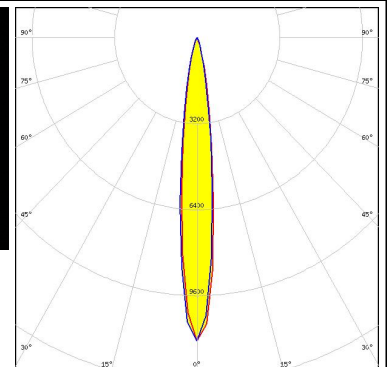
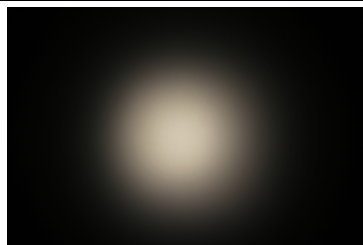
LED XP-L HD
 FWHM / FWTM 17.0° / 34.0°
 Efficiency 92 %
 Peak intensity 6.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON Rebel ES
 FWHM / FWTM 14.0°
 Efficiency 92 %
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON T
 FWHM / FWTM 14.0° / 30.0°
 Efficiency 94 %
 Peak intensity 7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON TX
 FWHM / FWTM 13.0° / 29.0°
 Efficiency 90 %
 Peak intensity 11.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

PHOTOMETRIC DATA (MEASURED):

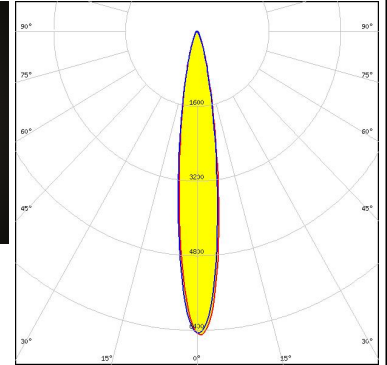
LUMILEDS

LED LUXEON Z ES
 FWHM / FWTM 10.0° / 24.0°
 Efficiency 90 %
 Peak intensity 15.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



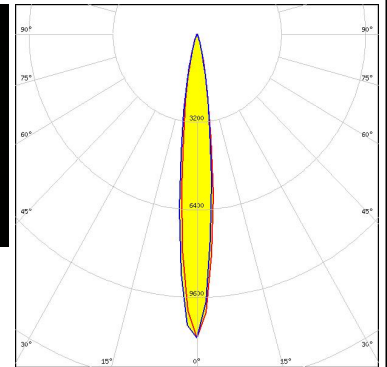
NICHIA

LED NVSxx19B/NVSxx19C
 FWHM / FWTM 15.0° / 35.0°
 Efficiency 92 %
 Peak intensity 6.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

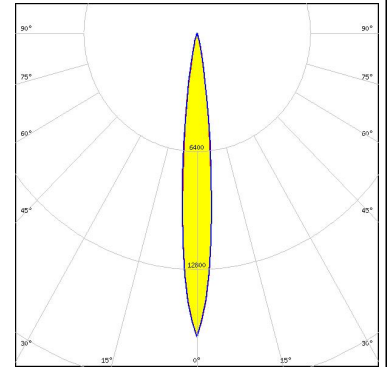
Ospto Semiconductors
 LED OSLON Square EC
 FWHM / FWTM 12.0° / 27.0°
 Efficiency 91 %
 Peak intensity 11.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (SIMULATED):

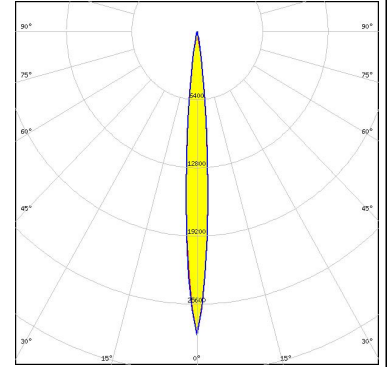
CREE LED

LED XP-G2
 FWHM / FWTM 12.0° / 24.0°
 Efficiency 95 %
 Peak intensity 16.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



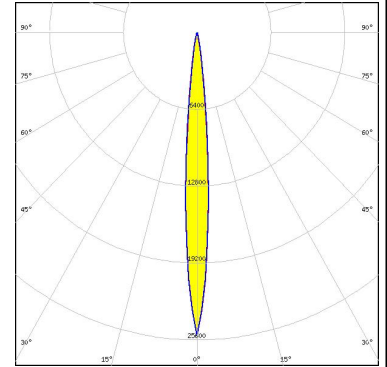
CREE LED

LED XQ-E HD
 FWHM / FWTM 9.0° / 17.0°
 Efficiency 92 %
 Peak intensity 28 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



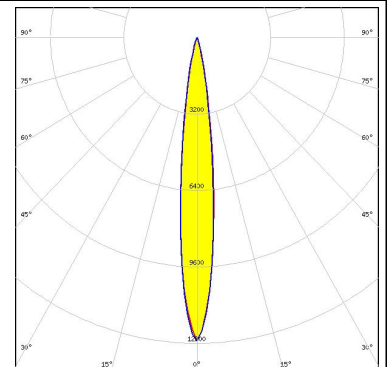
CREE LED

LED XQ-E HI
 FWHM / FWTM 8.0° / 18.0°
 Efficiency 94 %
 Peak intensity 25.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

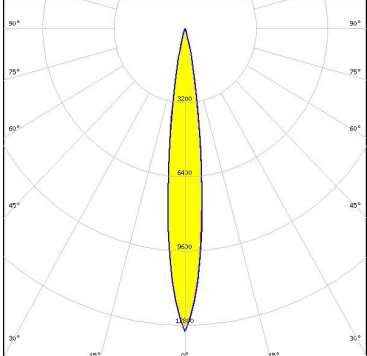
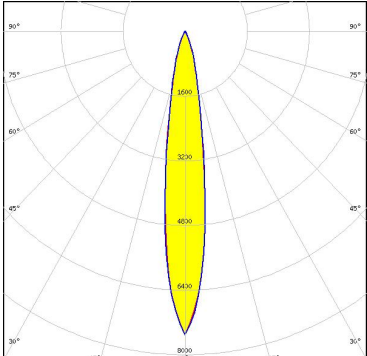
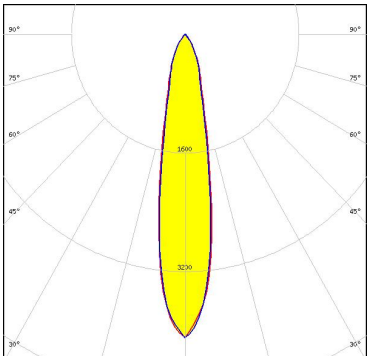
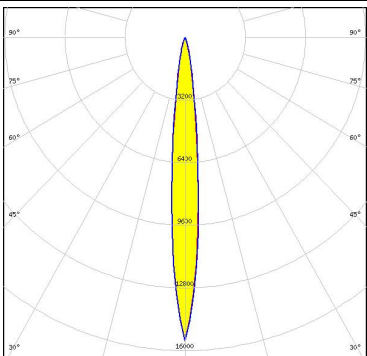


LUMILEDS

LED LUXEON H50-2
 FWHM / FWTM 12.5° / 26.0°
 Efficiency 93 %
 Peak intensity 12.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (SIMULATED):

<p>LUMILEDS</p> <p>LED LUXEON HL2X FWHM / FWTM 14.0° / 26.0° Efficiency 94 % Peak intensity 13.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>NICHIA</p> <p>LED NV4WB35AM FWHM / FWTM 16.0° / 36.0° Efficiency 96 % Peak intensity 7.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED Duris S8 FWHM / FWTM 20.0° / 51.0° Efficiency 95 % Peak intensity 4.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSCONIQ C 2424 FWHM / FWTM 10.0° / 24.0° Efficiency 95 % Peak intensity 15.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

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.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

LEDiL Oy

Joensuunkatu 13
FI-24240 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/
where_to_buy](http://www.ledil.com/where_to_buy)

Shipping locations

Salo, Finland
Hong Kong, China

Distribution Partners

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)