LR2-RS

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



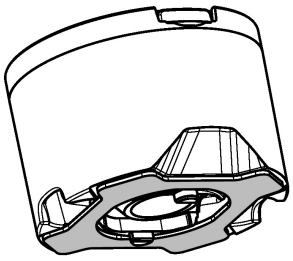
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 21.6 mm
Height	14.8 mm
Fastening	tape, pin
Colour	white
Box size	480 x 280 x 300 mm
Box weight	9.3 kg
Quantity in Box	1680 pcs
ROHS compliant	yes

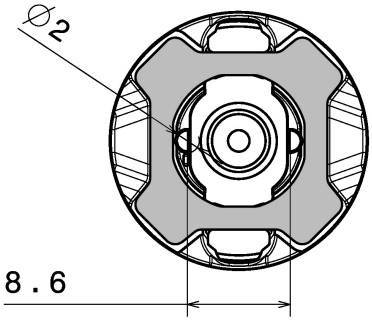
MATERIAL SPECIFICATIONS:

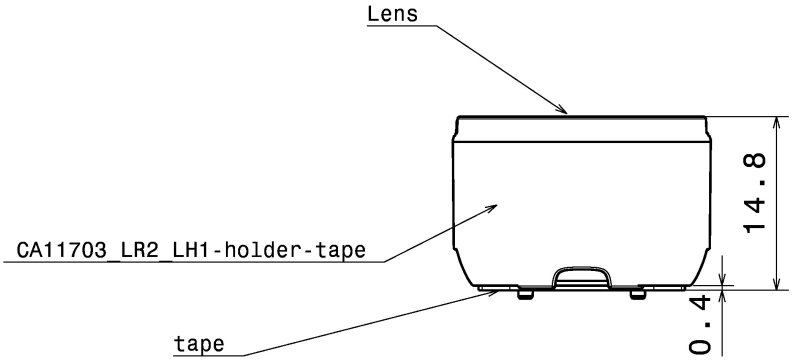
Component	Type	Material	Colour
LXP2-RS	Lens	PMMA	clear
LR2-ES-LH1-HLD	Holder	PC	white
HEIDI-TAPE	Tape	PU tape	black

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.



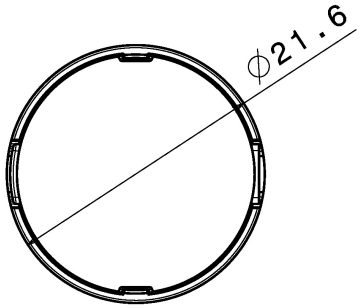
Isometric view





Materials:
Lens: PMMA
Holder: PC white
Tape: PU FOAM

Codes:
CA11929_LR2-ES-RS
CA11930_LR2-ES-D
CA11931_LR2-ES-M
CA11932-LR2-ES-O-90
CA12394_LR2-W-WHT



Top view

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

DRAWN BY: a	DATE: 21.11.2011	DRAWING TITLE: Datasheet LR2-ES series assy			
CHECKED BY: s n	DATE: 21.11.2011	SIZE: A4	DRAWING NUMBER: -		REV: 2
DESIGNED BY: pl	DATE: 27.08.2010	SCALE: 1:1	WEIGHT(g):		SHEET: 1/1

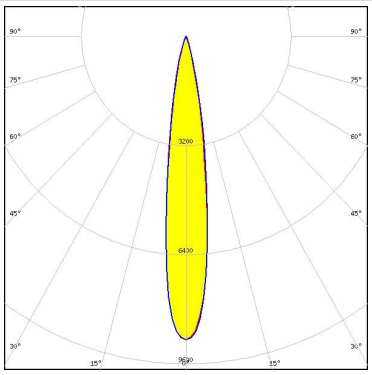
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (MEASURED):

CREE

LED	XP-L
FWHM	16.0°
Efficiency	91 %
Peak intensity	8.900 cd/lm
Required components:	





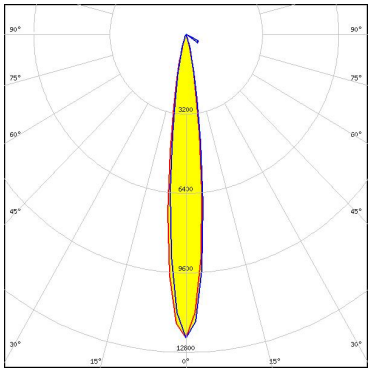
LUMILEDS

LED	LUXEON Rebel ES
FWHM	11.0°
Efficiency	94 %
Peak intensity	cd/lm
Required components:	

LUMILEDS

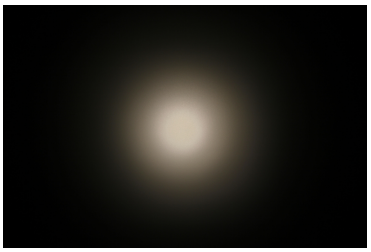
LED	LUXEON T
FWHM	12.0°
Efficiency	91 %
Peak intensity	12.200 cd/lm
Required components:	

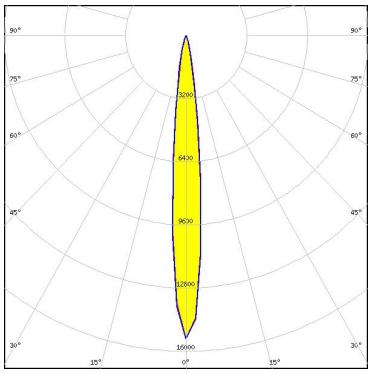




LUMILEDS

LED	LUXEON TX
FWHM	11.0°
Efficiency	91 %
Peak intensity	15.400 cd/lm
Required components:	



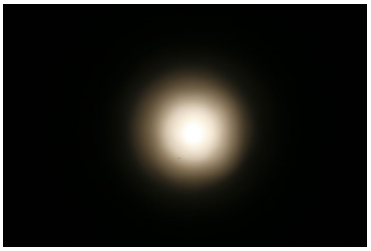


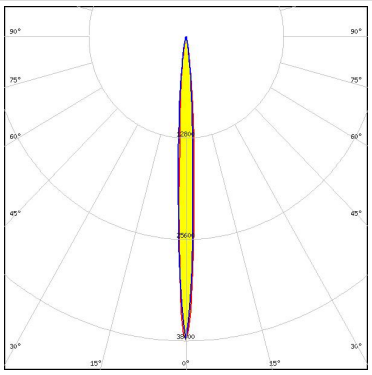
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (MEASURED):

LUMILEDS

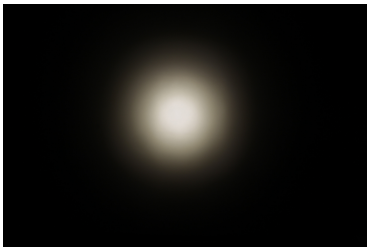
LED	LUXEON Z ES
FWHM	6.0°
Efficiency	91 %
Peak intensity	38.300 cd/lm
Required components:	

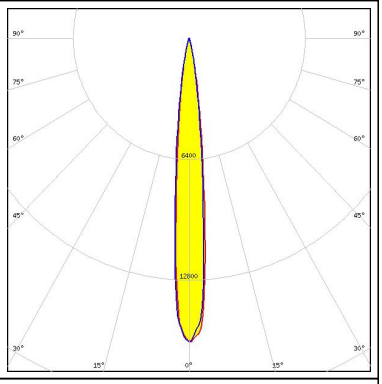




NICHIA

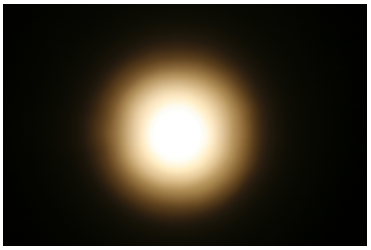
LED	NVSxx19B/NVSxx19C
FWHM	11.0°
Efficiency	94 %
Peak intensity	16.000 cd/lm
Required components:	

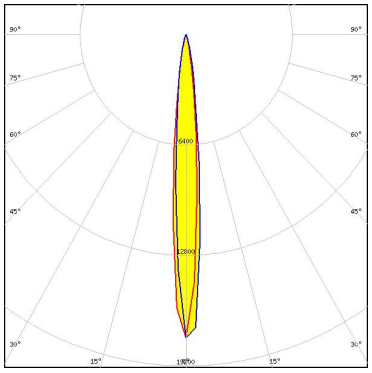




OSRAM
Opto Semiconductors

LED	Oslon Square EC
FWHM	10.0°
Efficiency	92 %
Peak intensity	17.600 cd/lm
Required components:	



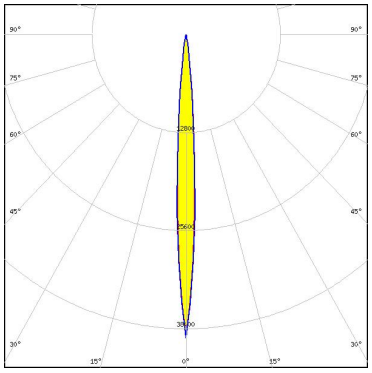


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (SIMULATED):

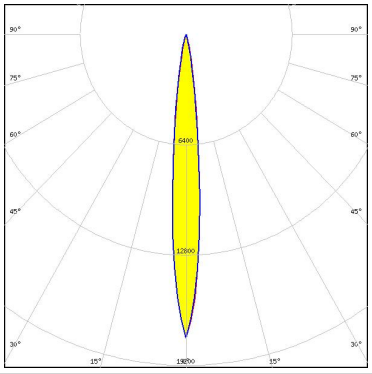
CREE

LED	XQ-E
FWHM	7.0°
Efficiency	92 %
Peak intensity	39.000 cd/lm
Required components:	



LUMILEDS

LED	LUXEON H50-2
FWHM	10.5°
Efficiency	93 %
Peak intensity	17.700 cd/lm
Required components:	



LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

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

Local sales and technical support
www.ledil.com/
where_to_buy

Shipping locations
Salo, Finland
Hong Kong, China

Distribution Partners
www.ledil.com/
where_to_buy

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.