

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
ROHS compliant	yes ⓘ

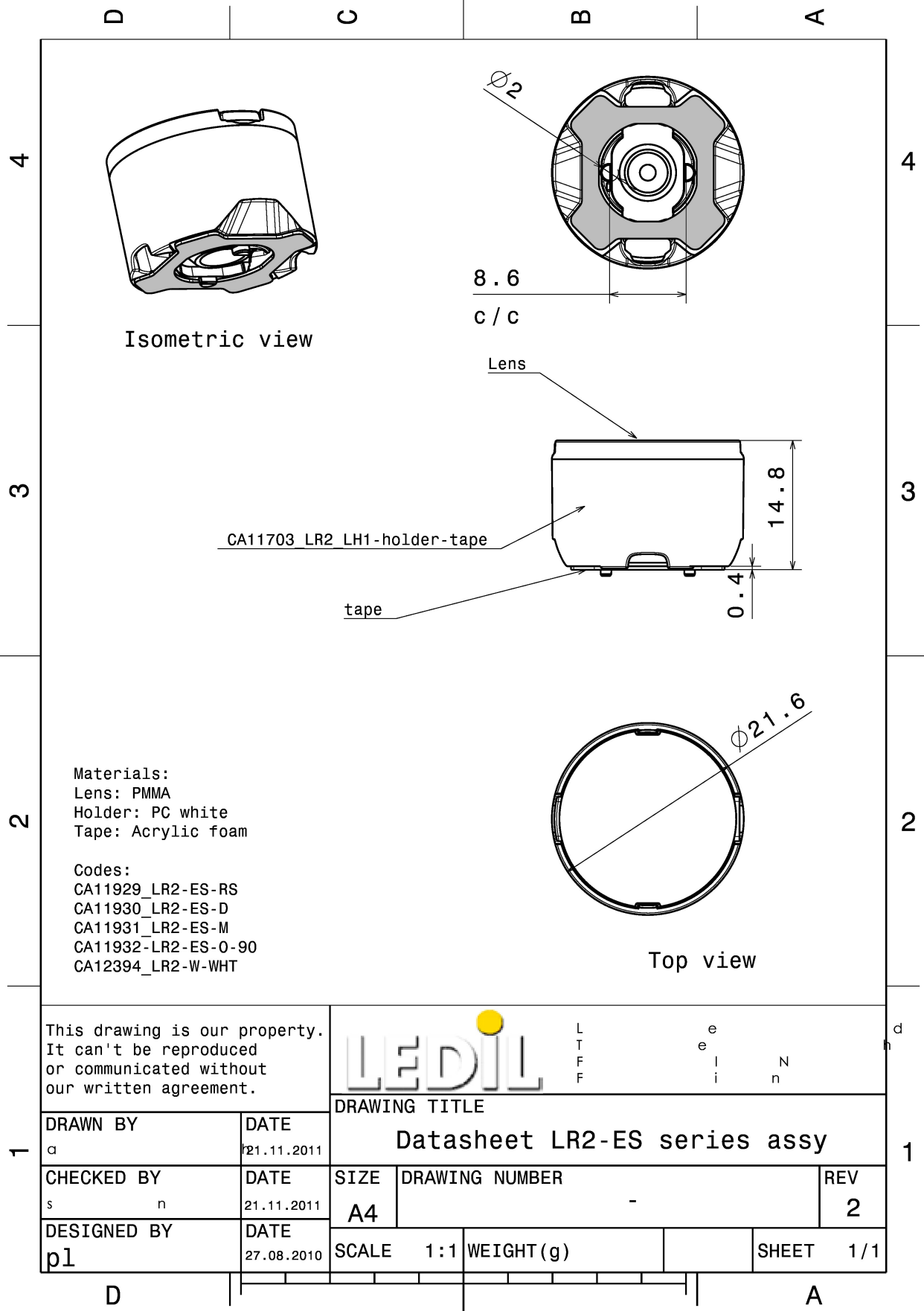
MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:

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





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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

SIZE A4

DRAWING NUMBER -

REV 2

DESIGNED BY
pl

DATE
27.08.2010

SCALE 1:1

WEIGHT (g)

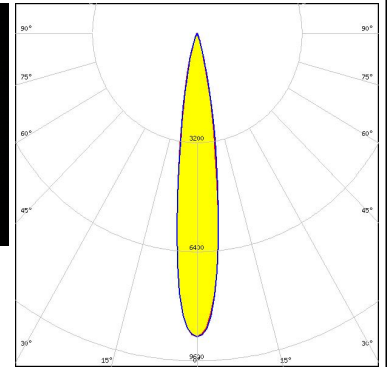
SHEET 1/1

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

PHOTOMETRIC DATA (MEASURED):



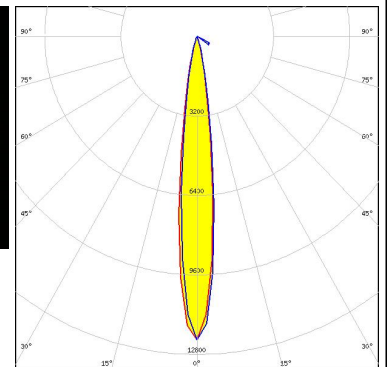
LED XP-L HD
 FWHM / FWTM 16.0° / 31.0°
 Efficiency 91 %
 Peak intensity 8.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



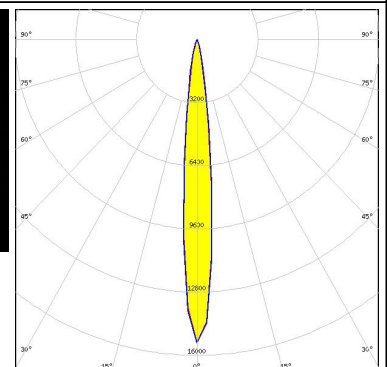
LED LUXEON Rebel ES
 FWHM / FWTM 11.0°
 Efficiency 94 %
 LEDs/each optic 1
 Light colour White
 Required components:




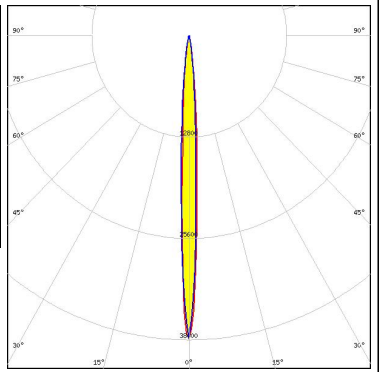

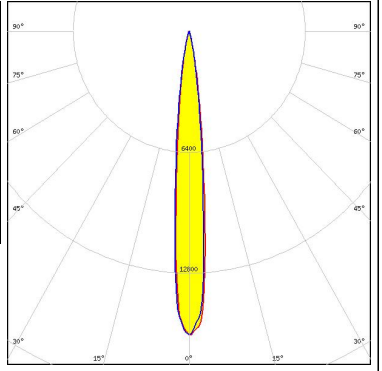

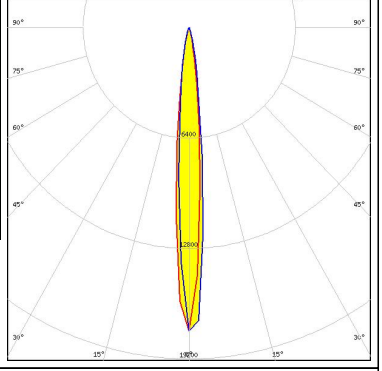
LED LUXEON T
 FWHM / FWTM 12.0° / 23.0°
 Efficiency 91 %
 Peak intensity 12.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



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



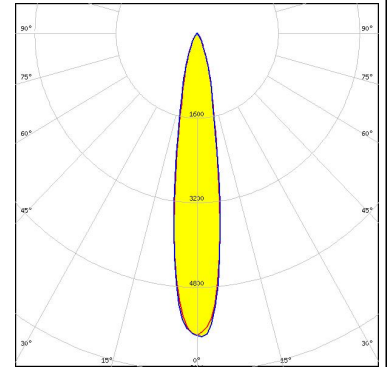
PHOTOMETRIC DATA (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON Z ES</p> <p>FWHM / FWTM 6.0° / 16.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 38.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C</p> <p>FWHM / FWTM 11.0° / 23.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 16 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Square EC</p> <p>FWHM / FWTM 10.0° / 22.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 17.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED PLPVEC2 850A</p> <p>FWHM / FWTM 5.0° / 12.0°</p> <p>Efficiency %</p> <p>LEDs/each optic 1</p> <p>Light colour IR</p> <p>Required components:</p>		

PHOTOMETRIC DATA (SIMULATED):

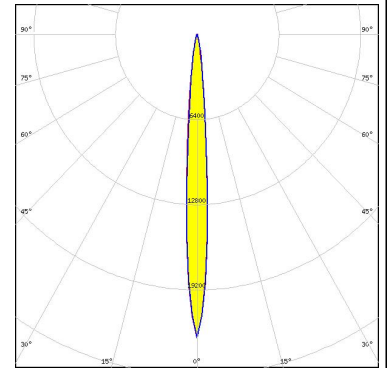
CREE LED

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 White
 Required components:



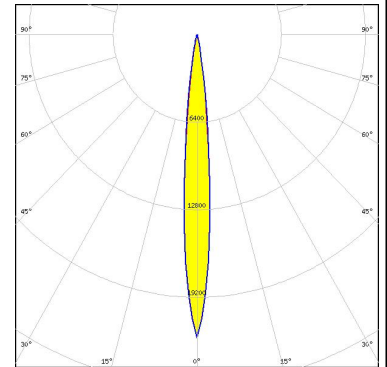
CREE LED

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



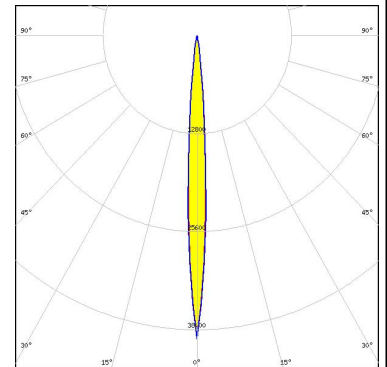
CREE LED

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



CREE LED

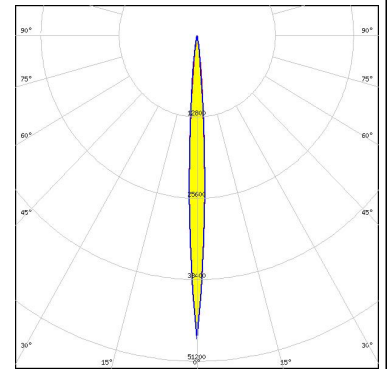
LED XQ-E HD
 FWHM / FWTM 7.0° / 15.0°
 Efficiency 92 %
 Peak intensity 39 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



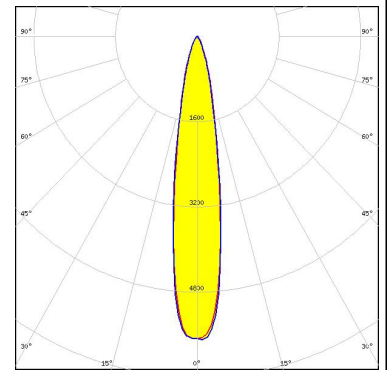
PHOTOMETRIC DATA (SIMULATED):



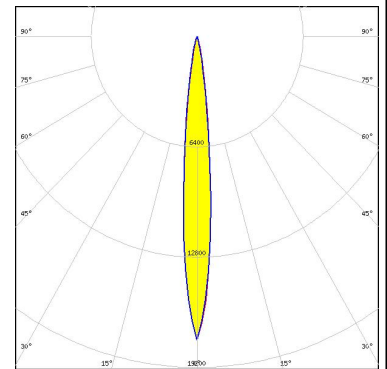
LED XQ-E HI
 FWHM / FWTM 6.0° / 14.0°
 Efficiency 93 %
 Peak intensity 47.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



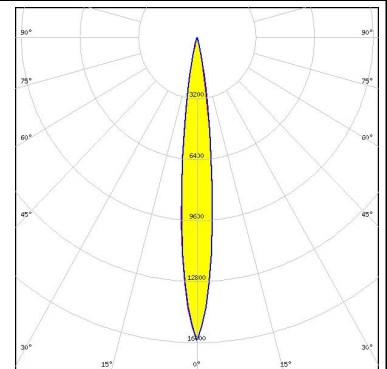
LED LUXEON 5050 Square LES
 FWHM / FWTM 18.0° / 40.0°
 Efficiency 97 %
 Peak intensity 5.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



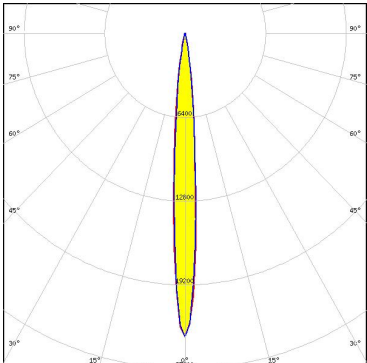
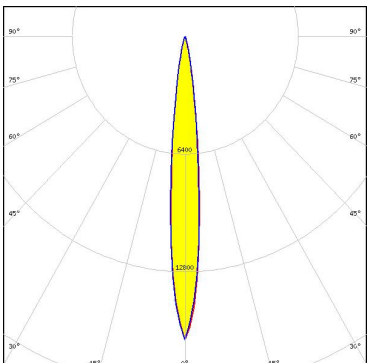
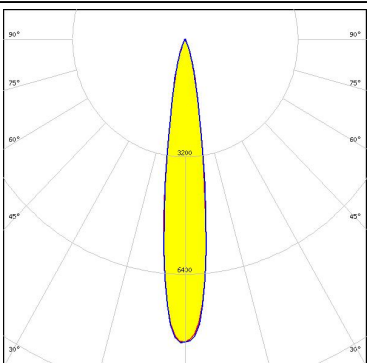
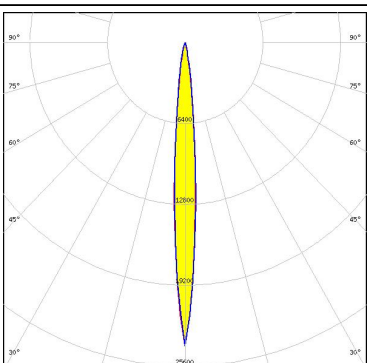
LED LUXEON H50-2
 FWHM / FWTM 10.5° / 22.0°
 Efficiency 93 %
 Peak intensity 17.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



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



PHOTOMETRIC DATA (SIMULATED):

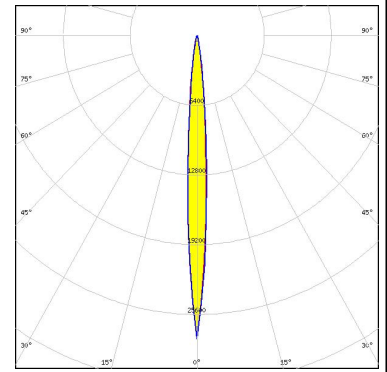
<p>LUMILEDS</p> <p>LED: LUXEON IR Domed 60</p> <p>FWHM / FWTM: 8.0° / 20.0°</p> <p>Efficiency: 92 %</p> <p>LEDs/each optic: 1</p> <p>Light colour: IR</p> <p>Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON V2</p> <p>FWHM / FWTM: 11.0° / 24.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 16.5 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>NICHIA</p> <p>LED: NV4WB35AM</p> <p>FWHM / FWTM: 16.0° / 34.0°</p> <p>Efficiency: 96 %</p> <p>Peak intensity: 8.3 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: OSCONIQ C 2424</p> <p>FWHM / FWTM: 8.0° / 20.0°</p> <p>Efficiency: 95 %</p> <p>Peak intensity: 24 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

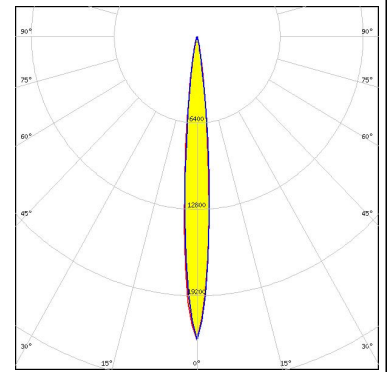
LED OSCONIQ P 3030
 FWHM / FWTM 8.0° / 18.0°
 Efficiency 94 %
 Peak intensity 27.8 cd/lm
 LEDs/each optic 1
 Light colour Blue
 Required components:



OSRAM

Opto Semiconductors

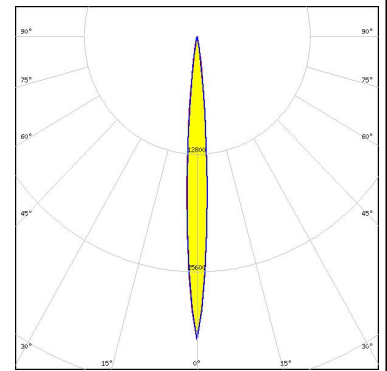
LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM 10.0° / 20.0°
 Efficiency 95 %
 Peak intensity 22.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

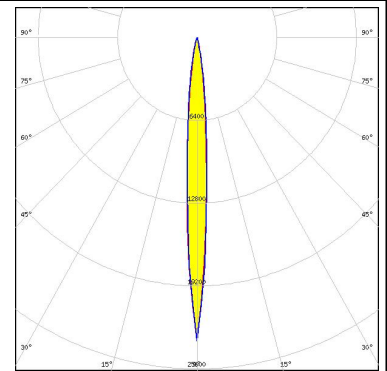
LED OSLON SSL 120
 FWHM / FWTM 8.0° / 16.0°
 Efficiency 95 %
 Peak intensity 33 cd/lm
 LEDs/each optic 1
 Light colour Amber
 Required components:



OSRAM

Opto Semiconductors

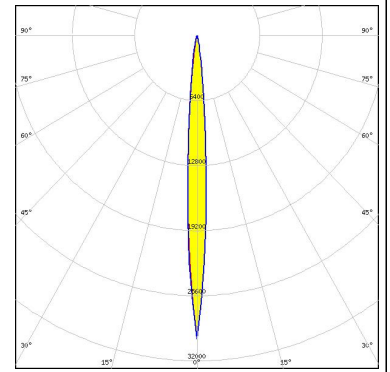
LED SFH 4715AS
 FWHM / FWTM 8.0° / 20.0°
 Efficiency 94 %
 Peak intensity 23.4 cd/lm
 LEDs/each optic 1
 Light colour IR
 Required components:



PHOTOMETRIC DATA (SIMULATED):

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	IR
Required components:	



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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