LR2-W

~40° wide 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-W	Single lens	PMMA			
LR2-ES-LH1-HLD	Holder	PC	white		
HEIDI-TAPE	Tape	Acrylic foam	black		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA12394_LR2-W	1680	336	112	9.4

» Box size: 480 x 280 x 300 mm

Isometric view

Front view

15.53
14.48

20.31

∅21.56

∅4.48

Bottom view

∅19.87

Top view

PART	TYPE	MATERIAL	COLOR / COATING
CA12393_LR2-W			white

MECHANICAL DRAWING

PRODUCT
LEILA-20

Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

FIRST ANGLE PROJECTION:

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SCALE	5:2	WEIGHT	-	A4	SHEET 1/1

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

OPTICAL RESULTS (MEASURED):

LUMILEDS

LED	LUXEON T
FWHM / FWTM	46.0° / 69.0°
Efficiency	89 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
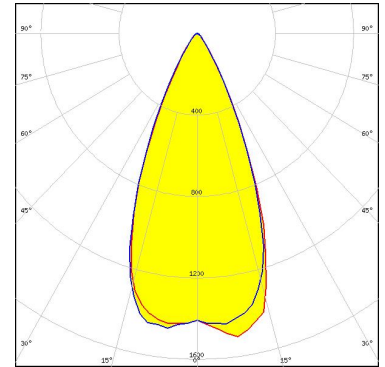
Light distribution files

LUMILEDS

LED	LUXEON TX
FWHM / FWTM	45.0° / 68.0°
Efficiency	90 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
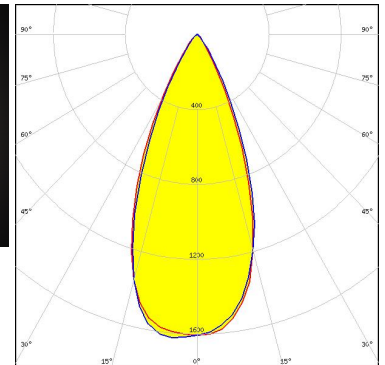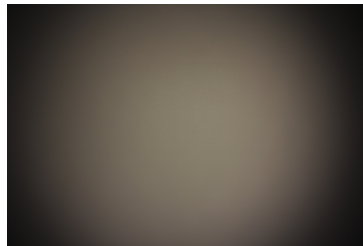
Light distribution files

LUMILEDS

LED	LUXEON Z ES
FWHM / FWTM	43.0° / 64.0°
Efficiency	88 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
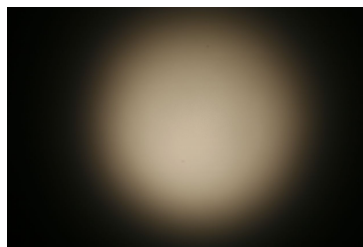
Light distribution files

## OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED	SFH 4770S
FWHM / FWTM	39.0° / 62.0°
Efficiency	92 %
LEDs/each optic	1
Light colour/type	IR
Required components:	

Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs

LED	J Series 5050 Round LES
FWHM / FWTM	50.0° / 76.0°
Efficiency	96 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
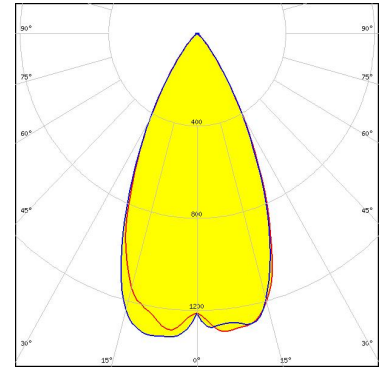
Light distribution files

CREE LEDs

LED	XP-G3
FWHM / FWTM	46.0° / 68.0°
Efficiency	93 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour/type	Red
Required components:	
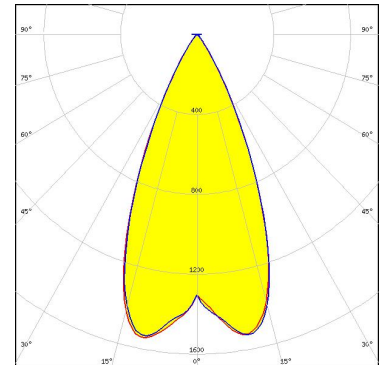
Light distribution files

CREE LEDs

LED	XQ-E HD
FWHM / FWTM	48.0° / 64.0°
Efficiency	95 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

OPTICAL RESULTS (SIMULATED):

LUMILEDS
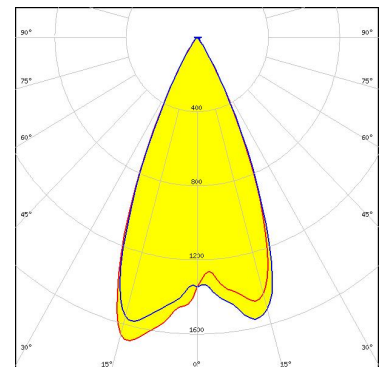
LED	LUXEON 5050 Round LES
FWHM / FWTM	50.0° / 76.0°
Efficiency	96 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
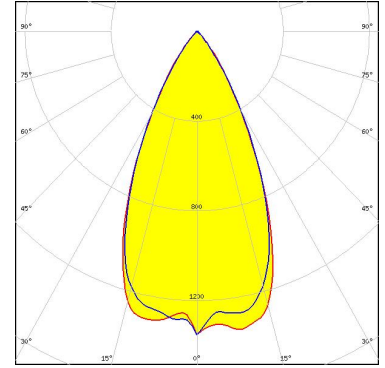
Light distribution files

LUMILEDS

LED	LUXEON 5050 Square LES
FWHM / FWTM	52.0° / 78.0°
Efficiency	96 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
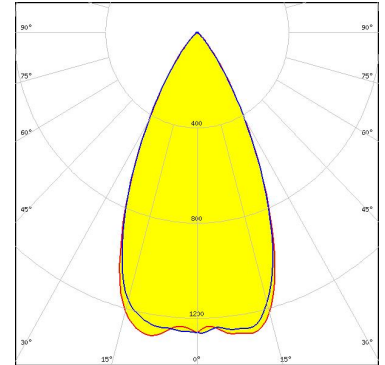
Light distribution files

LUMILEDS

LED	LUXEON Rebel ES
FWHM / FWTM	48.0° / 66.0°
Efficiency	95 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

OPTICAL RESULTS (SIMULATED):

LUMILEDS
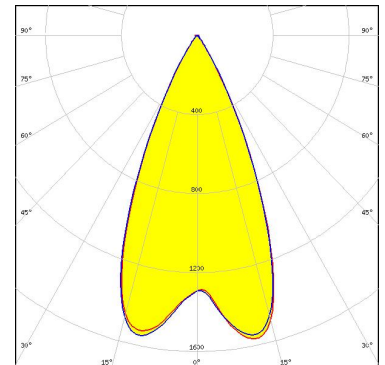
LED	LUXEON V2
FWHM / FWTM	43.0° / 60.0°
Efficiency	94 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

NICHIA
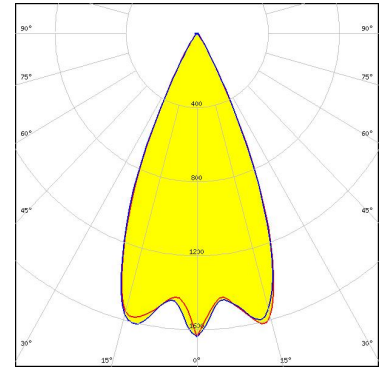
LED	NV4WB35AM
FWHM / FWTM	50.0° / 70.0°
Efficiency	96 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files
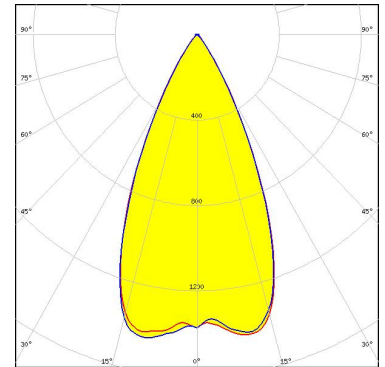
OSRAM
Opto Semiconductors

LED	OSCONIQ P 3030
FWHM / FWTM	44.0° / 62.0°
Efficiency	95 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour/type	Blue
Required components:	
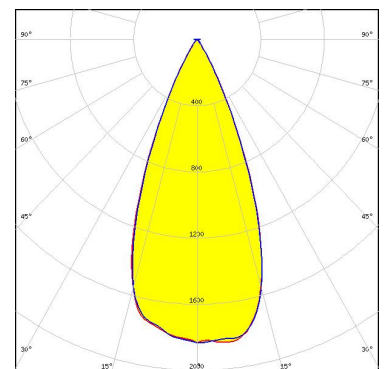
Light distribution files

## OPTICAL RESULTS (SIMULATED):

OSRAM Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	47.0° / 66.0°
Efficiency	96 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
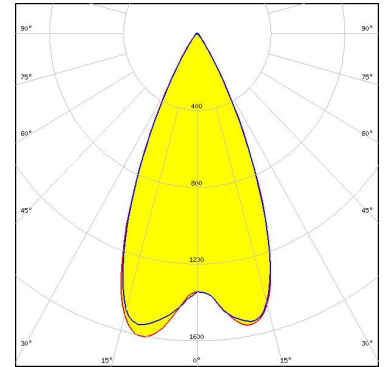
Light distribution files

OSRAM Opto Semiconductors

LED	SFH 4715AS
FWHM / FWTM	46.0° / 64.0°
Efficiency	95 %
LEDs/each optic	1
Light colour/type	IR
Required components:	
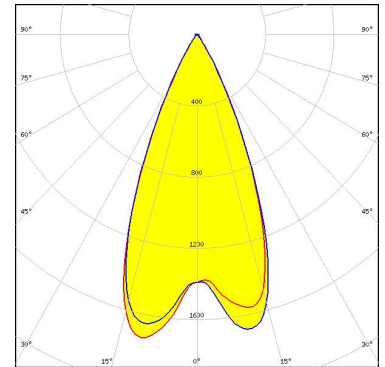
Light distribution files

OSRAM Opto Semiconductors

LED	SFH 4716AS
FWHM / FWTM	38.0° / 58.0°
Efficiency	94 %
LEDs/each optic	1
Light colour/type	IR
Required components:	
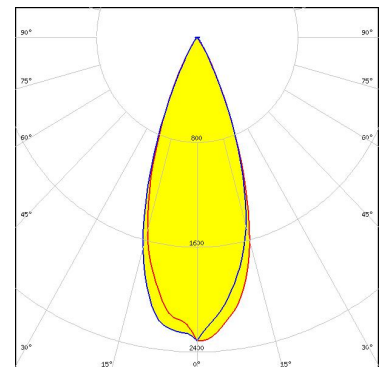
Light distribution files

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:

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.

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