GABRIELLA-45-M

~25° medium beam with holder

SPECIFICATION:

Dimensions	Ø 45.0
Height	28.9 mm
Fastening	screw
ROHS compliant	yes

MATERIALS:

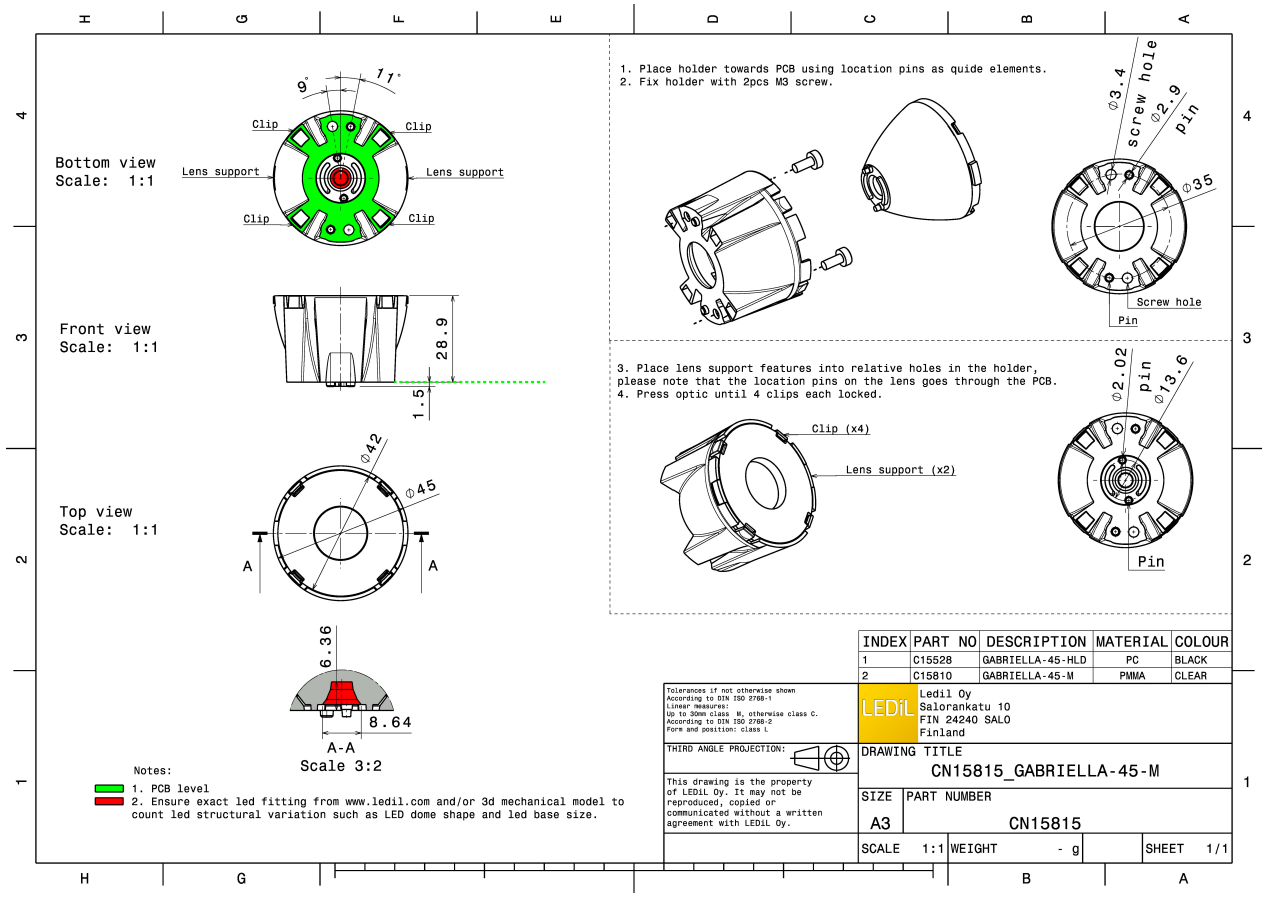
Component	Type	Material	Colour	Finish	Length (mm)
C15810_GABRIELLA-45-M	Single lens	PMMA	clear		
C15528_GABRIELLA-45-HLD	Holder	PC	black		

ORDERING INFORMATION:

Quantities for one set:

Single lens	1
Holder	1

Component		Qty in box	MOQ	MPQ	Box weight (kg)
C15810_GABRIELLA-45-M » Box size: 476 x 273 x 292 mm	Single lens	405	90	45	11.3
C15528_GABRIELLA-45-HLD » Box size: 476 x 273 x 292 mm	Holder	405	90	45	5.1



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C15528	GABRIELLA-45-HLD	PC	BLACK
2	C15810	GABRIELLA-45-M	PMMA	CLEAR

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class M, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

THIRD ANGLE PROJECTION:

LEDiL
Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE
CN15815_GABRIELLA-45-M

SIZE	PART NUMBER
A3	CN15815

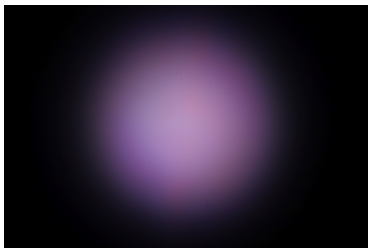
SCALE	WEIGHT	SHEET
1:1	- g	1/1

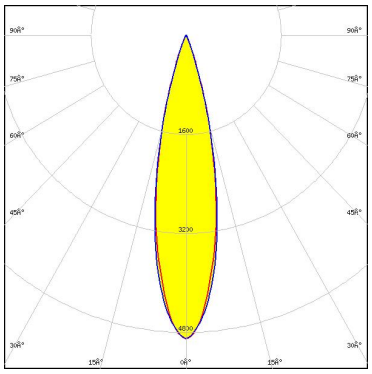
See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XP-L RGBW HD
FWHM / FWTM	24.0° / 40.0°
Efficiency	90 %
Peak intensity	4.9 cd/lm
LEDs/each optic	1
Light colour/type	RGBW
Required components:	

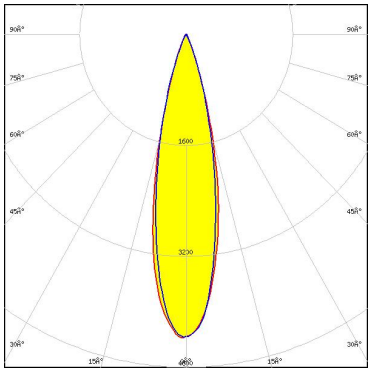




Light distribution files

LUMILEDS

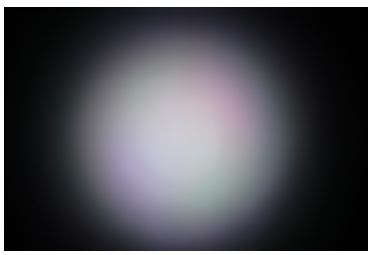
LED	LUXEON 5052 RGBW
FWHM / FWTM	24.0° / 43.0°
Efficiency	89 %
Peak intensity	4.4 cd/lm
LEDs/each optic	1
Light colour/type	RGBW
Required components:	

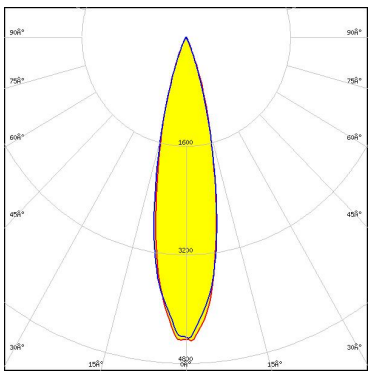


Light distribution files

LUMILEDS

LED	LUXEON CZ
FWHM / FWTM	23.0° / 43.0°
Efficiency	89 %
Peak intensity	4.5 cd/lm
LEDs/each optic	4
Light colour/type	RGBW
Required components:	



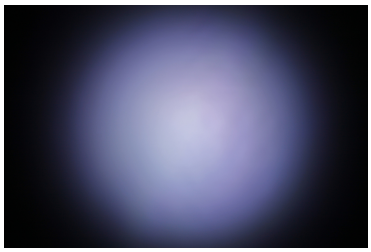


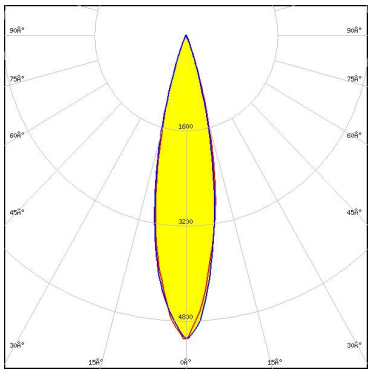
Light distribution files

OPTICAL RESULTS (MEASURED):

LUMINUS

LED	SBM-40-RGBW
FWHM / FWTM	23.0° / 39.0°
Efficiency	89 %
Peak intensity	5.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

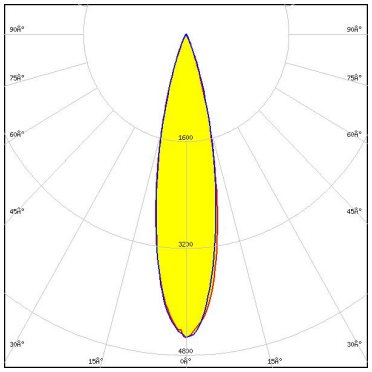




Light distribution files

NICHIA

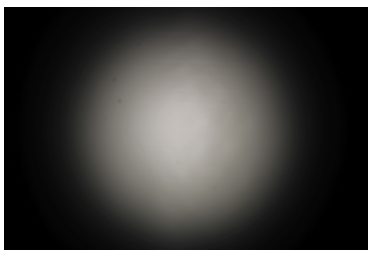
LED	NCSxE17A
FWHM / FWTM	24.0° / 42.0°
Efficiency	90 %
Peak intensity	4.6 cd/lm
LEDs/each optic	4
Light colour/type	RGBW
Required components:	

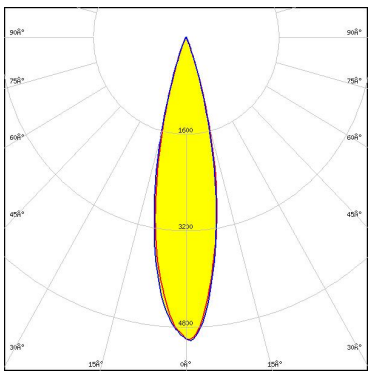


Light distribution files

NICHIA

LED	NVSW219F
FWHM / FWTM	24.0° / 40.0°
Efficiency	90 %
Peak intensity	5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



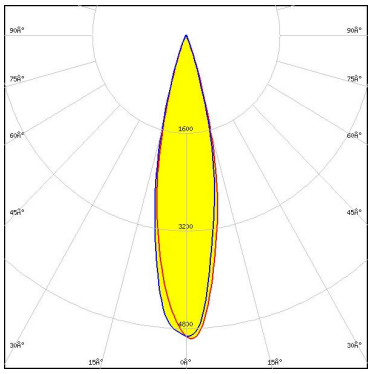


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

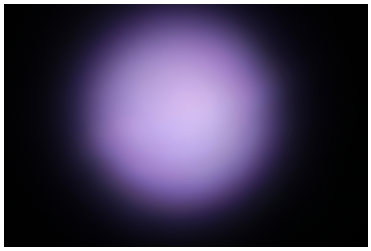
LED	OSLON Square EC
FWHM / FWTM	24.0° / 39.0°
Efficiency	88 %
Peak intensity	5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

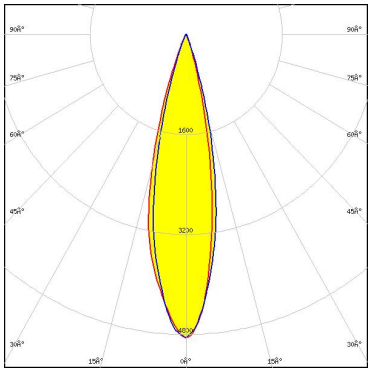


Light distribution files

OSRAM
Opto Semiconductors

LED	Ostar-SMT RGB
FWHM / FWTM	24.0° / 40.0°
Efficiency	90 %
Peak intensity	4.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

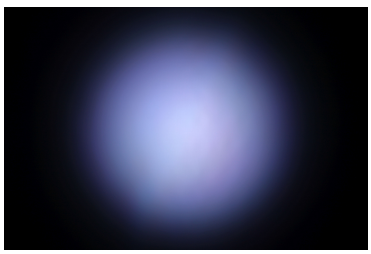


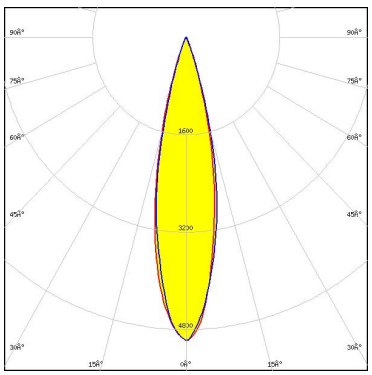


Light distribution files

SEOUL SEMICONDUCTOR

LED	SPF05F0A
FWHM / FWTM	24.0° / 39.0°
Efficiency	88 %
Peak intensity	5 cd/lm
LEDs/each optic	1
Light colour/type	RGBW
Required components:	



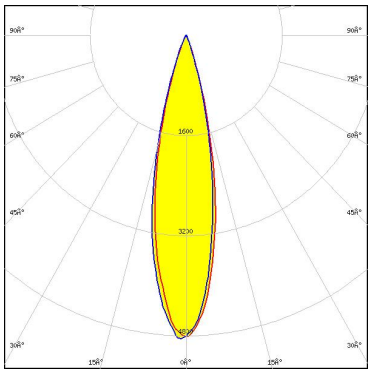


Light distribution files

OPTICAL RESULTS (MEASURED):

SEOUL SEMICONDUCTOR

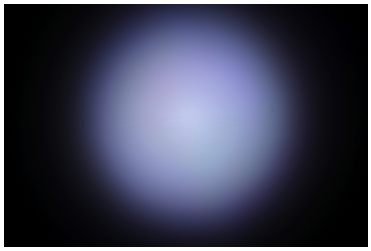
LED	SPF05F0B
FWHM / FWTM	24.0° / 40.0°
Efficiency	88 %
Peak intensity	4.9 cd/lm
LEDs/each optic	1
Light colour/type	RGBW
Required components:	

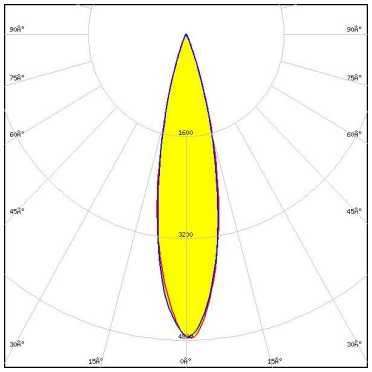


Light distribution files

SEOUL SEMICONDUCTOR

LED	SPF05F0C
FWHM / FWTM	24.0° / 41.0°
Efficiency	89 %
Peak intensity	4.8 cd/lm
LEDs/each optic	1
Light colour/type	RGBW
Required components:	



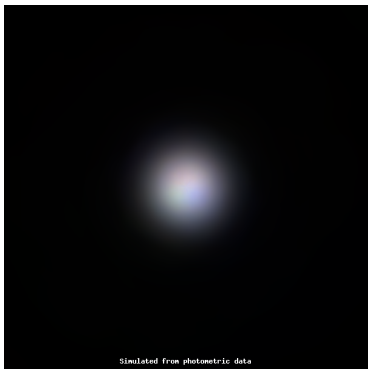


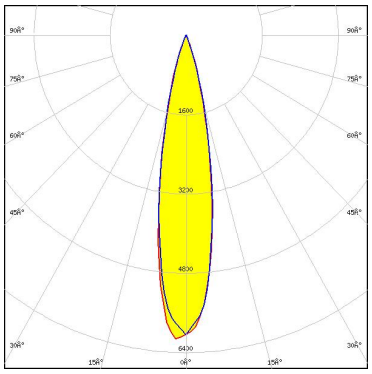
Light distribution files

OPTICAL RESULTS (SIMULATED):

bridgelux

LED	SMD 3838 RGBW 3V
FWHM / FWTM	20.0° / 38.0°
Efficiency	92 %
Peak intensity	6.1 cd/lm
LEDs/each optic	1
Light colour/type	RGBW
Required components:	

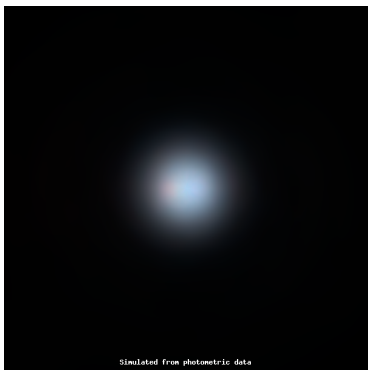


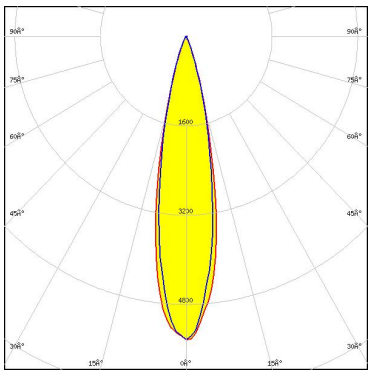


Light distribution files

CREE LEDs

LED	CLQ6A-TKW
FWHM / FWTM	22.0 + 20.0° / 40.0°
Efficiency	91 %
Peak intensity	5.5 cd/lm
LEDs/each optic	1
Light colour/type	RGBW
Required components:	

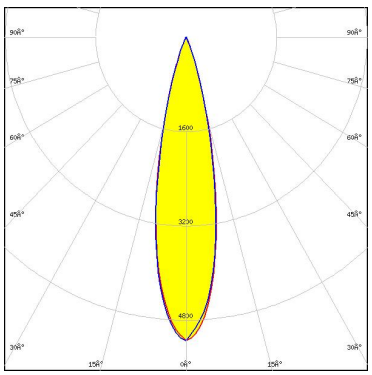




Light distribution files

CREE LEDs

LED	J Series 5050 Round LES
FWHM / FWTM	23.0° / 40.0°
Efficiency	92 %
Peak intensity	5.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

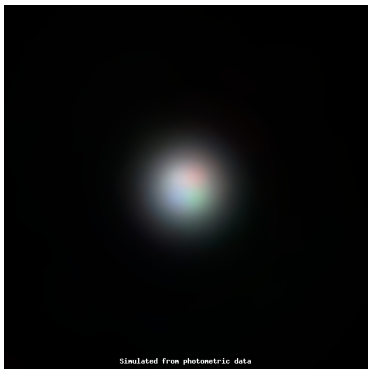


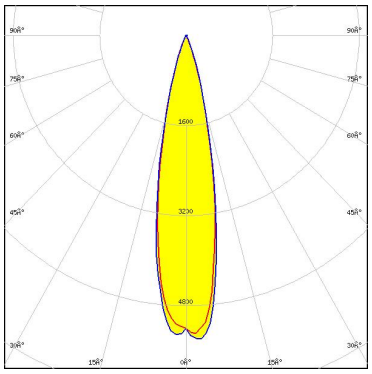
Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs

LED	XE-G
FWHM / FWTM	22.0° / 40.0°
Efficiency	92 %
Peak intensity	5.4 cd/lm
LEDs/each optic	4
Light colour/type	RGBW
Required components:	

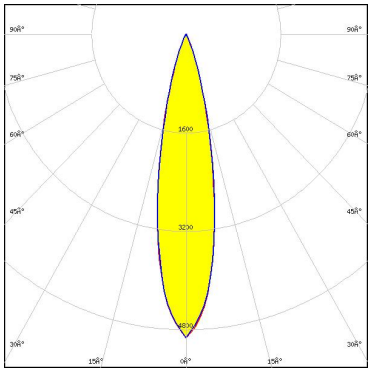




Light distribution files

CREE LEDs

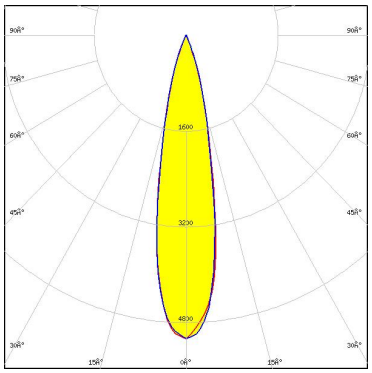
LED	XHP35.2 HD
FWHM / FWTM	22.0° / 40.0°
Efficiency	88 %
Peak intensity	4.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XHP50.2
FWHM / FWTM	22.0° / 40.0°
Efficiency	89 %
Peak intensity	5.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

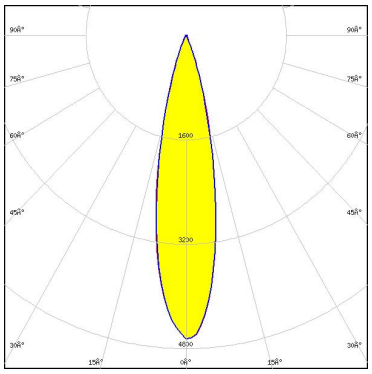


Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs

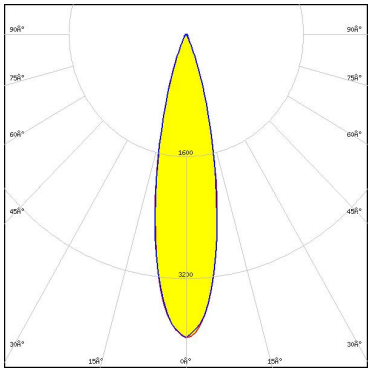
LED	XHP50.3 HD
FWHM / FWTM	22.0° / 42.0°
Efficiency	88 %
Peak intensity	4.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

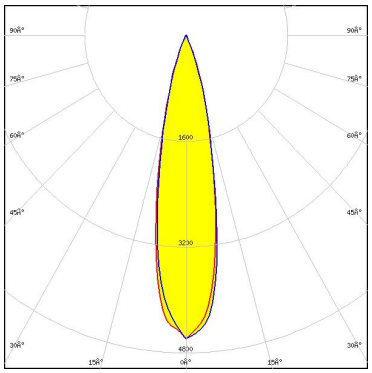
LED	XHP70.2
FWHM / FWTM	24.0° / 44.0°
Efficiency	87 %
Peak intensity	4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XM-L RGBW (XMLCTW)
FWHM / FWTM	23.0° / 42.0°
Efficiency	85 %
Peak intensity	4.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

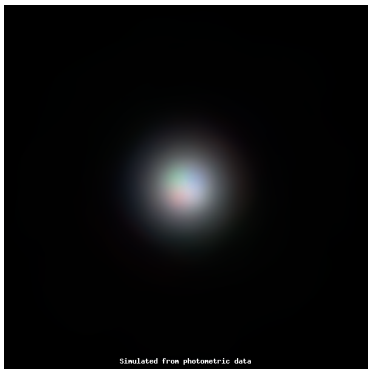


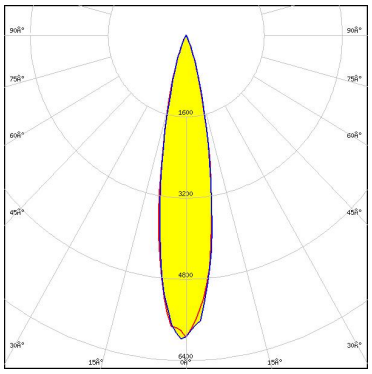
Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs

LED	XM-L RGBW (XMLDCL HD)
FWHM / FWTM	20.0° / 39.0 + 38.0°
Efficiency	92 %
Peak intensity	6 cd/lm
LEDs/each optic	1
Light colour/type	RGBW
Required components:	

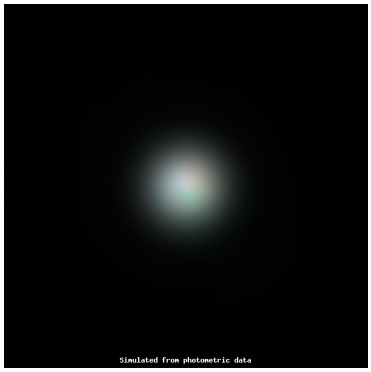


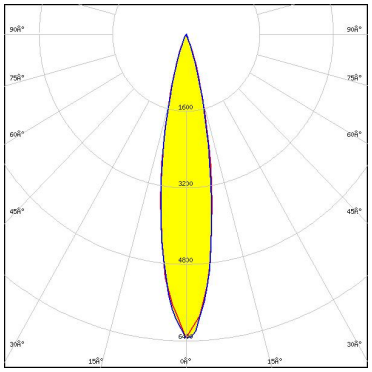


Light distribution files

CREE LEDs

LED	XM-L RGBW (XMLDCL HI)
FWHM / FWTM	20.0° / 38.0°
Efficiency	92 %
Peak intensity	6.3 cd/lm
LEDs/each optic	1
Light colour/type	RGBW
Required components:	

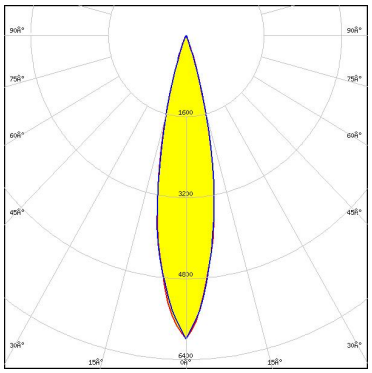




Light distribution files

CREE LEDs

LED	XP-E2
FWHM / FWTM	22.0° / 38.0°
Efficiency	92 %
Peak intensity	6 cd/lm
LEDs/each optic	1
Light colour/type	Amber
Required components:	

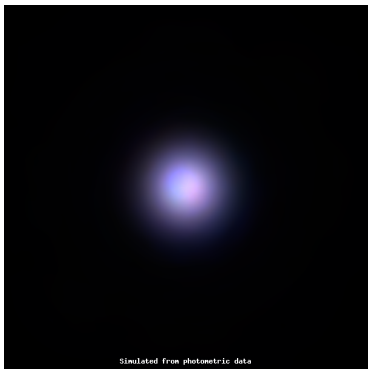


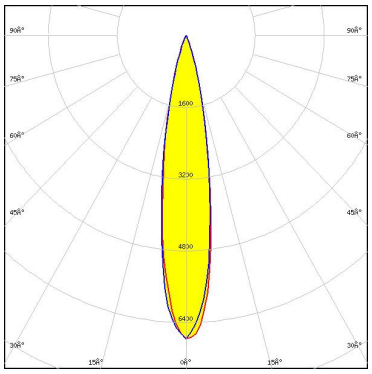
Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs

LED	XP-L RGBW HD
FWHM / FWTM	18.0° / 36.0°
Efficiency	92 %
Peak intensity	6.8 cd/lm
LEDs/each optic	1
Light colour/type	RGBW
Required components:	

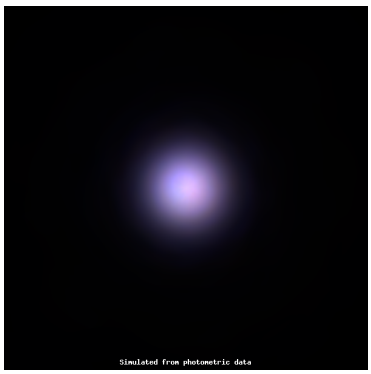


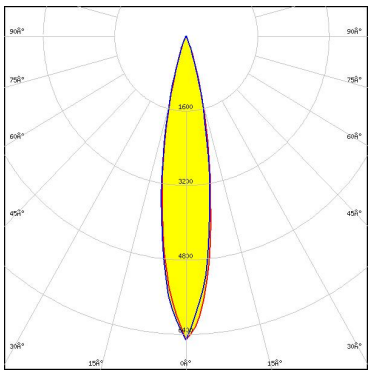


Light distribution files

CREE LEDs

LED	XP-L RGBW HI
FWHM / FWTM	19.0° / 37.0 + 36.0°
Efficiency	91 %
Peak intensity	6.5 cd/lm
LEDs/each optic	1
Light colour/type	RGBW
Required components:	

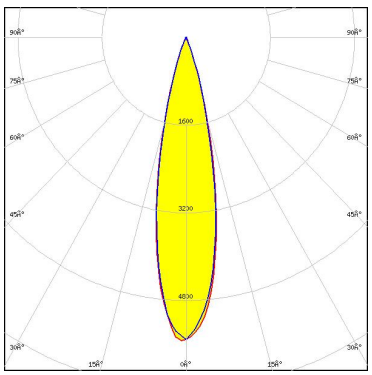




Light distribution files

LED ENGIN

LED	LZ7 Plus (LZ7-04M2PD)
FWHM / FWTM	23.0° / 39.0°
Efficiency	93 %
Peak intensity	5.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

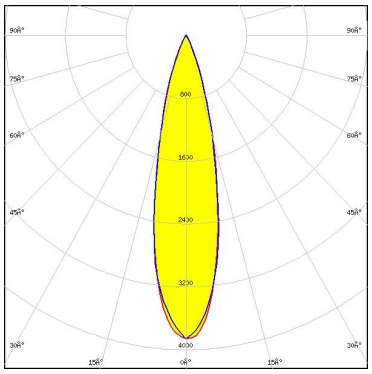


Light distribution files

OPTICAL RESULTS (SIMULATED):

LUMILEDS

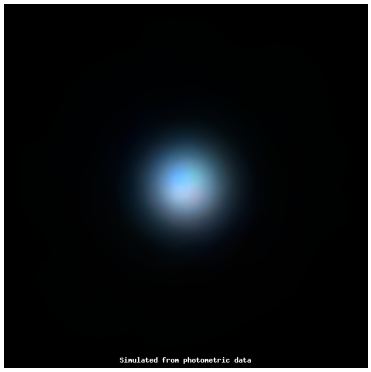
LED	LUXEON C
FWHM / FWTM	24.0°
Efficiency	86 %
Peak intensity	4 cd/lm
LEDs/each optic	4
Light colour/type	RGBW
Required components:	

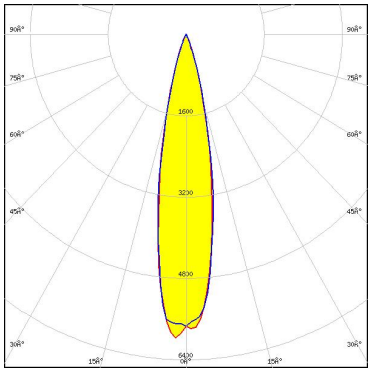


Light distribution files

LUMILEDS

LED	LUXEON Rubix
FWHM / FWTM	20.0 + 22.0° / 38.0°
Efficiency	93 %
Peak intensity	6 cd/lm
LEDs/each optic	4
Light colour/type	RGBW
Required components:	

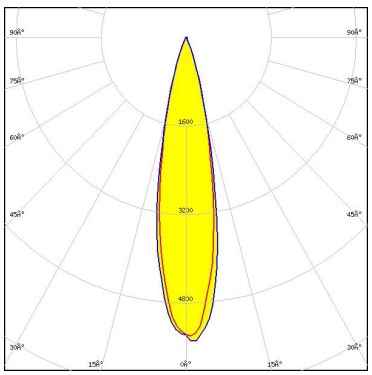




Light distribution files

OSRAM
Opto Semiconductors

LED	DURIS E 5050 (GW J9LHS1.4M)
FWHM / FWTM	20.0 + 22.0° / 39.0 + 40.0°
Efficiency	91 %
Peak intensity	5.6 cd/lm
LEDs/each optic	1
Light colour/type	RGBW
Required components:	

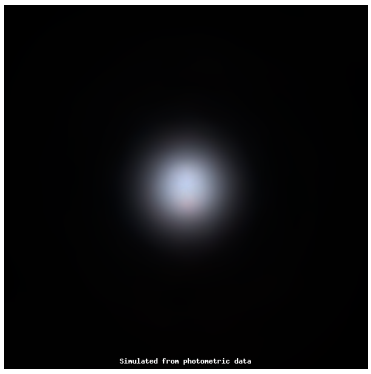


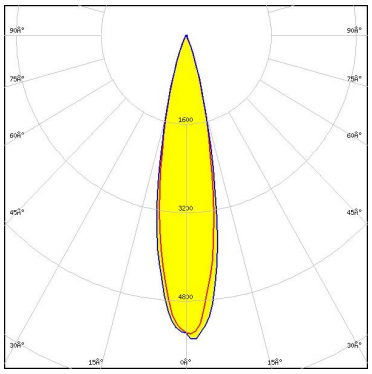
Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED	DURIS E 5050 (GW J9LHS1.4M)
FWHM / FWTM	21.0 + 22.0° / 40.0°
Efficiency	91 %
Peak intensity	5.5 cd/lm
LEDs/each optic	1
Light colour/type	RGBW
Required components:	

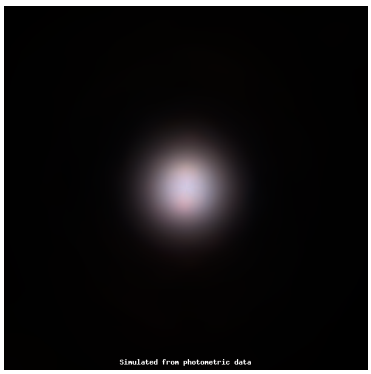


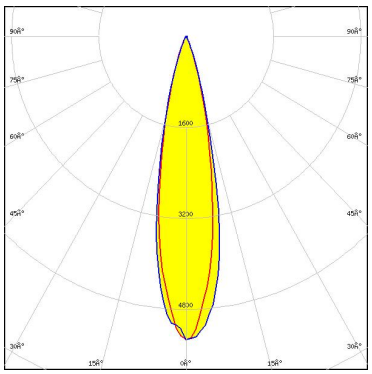


Light distribution files

OSRAM
Opto Semiconductors

LED	DURIS E 5050 (GW J9LHS2.4M)
FWHM / FWTM	20.0 + 23.0° / 40.0°
Efficiency	91 %
Peak intensity	5.4 cd/lm
LEDs/each optic	1
Light colour/type	RGBW
Required components:	

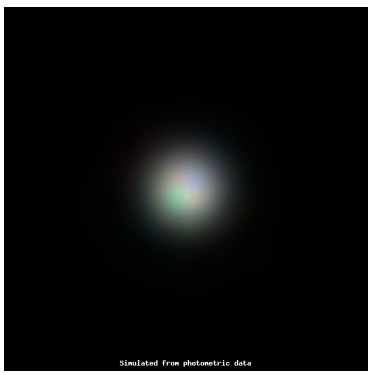


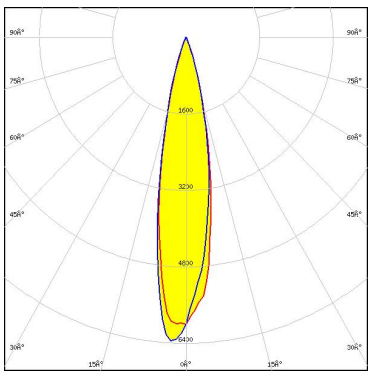


Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON Pure 1414
FWHM / FWTM	21.0 + 20.0° / 38.0°
Efficiency	93 %
Peak intensity	6.4 cd/lm
LEDs/each optic	4
Light colour/type	RGBW
Required components:	



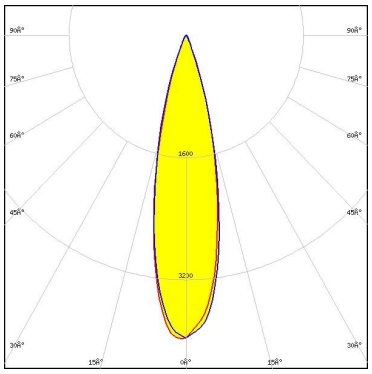


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

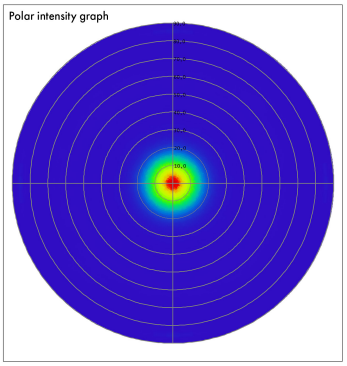
LED	OSTAR Stage (S2WP)
FWHM / FWTM	25.0°
Efficiency	86 %
Peak intensity	4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

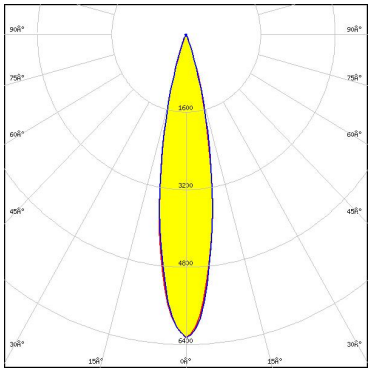


Light distribution files

OSRAM
Opto Semiconductors

LED	SFH 4717AS
FWHM / FWTM	20.0° / 36.0°
Efficiency	92 %
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:

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