HB-SQ-WWW

~90° beam. Assembly with installation tape.

SPECIFICATION:

Dimensions	25.0 x 25.0 mm
Height	10 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

MATERIALS:

Component	Type	Material	Colour	Finish
HB-SQ-WWW	Single lens	PMMA	clear	
ROSE-TAPE	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA16372_HB-SQ-WWW	Single lens	2058	294	98	8.9

» Box size: 480 x 280 x 300 mm

Detail A
Scale: 4:1

adhesive
colored area

(11.06)

21.52

10.76

Φ2

Φ2

9.96   1.1

A

0.15
adhesive compression distance

Exploded view

25

25

25.4

Φ3.2

Φ3.2

COMPONENTS
CA16372_HB-SQ-WWW

INDEX	PART	TYPE	MATERIAL	COLOR / COATING
1	C16371_HB-SQ-WWW	lens	PMMA	clear
2	C16393_ROSE-TAPE	tape	Acrylic foam	adhesive

MECHANICAL DRAWING

PRODUCT
HB

LEDiL®

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	FIRST ANGLE PROJECTION:	This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy.
SCALE 2:1	WEIGHT -	A3 SHEET 1/1

Notes

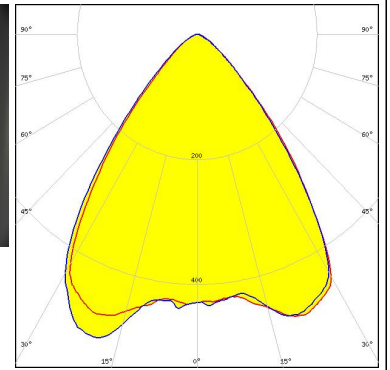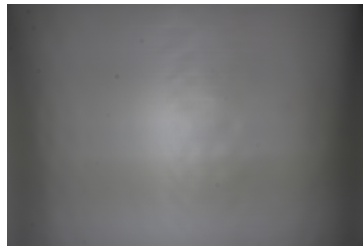| 🔴	1	PCB or heatsink level.
🟢	2	LED location.
	3	Ensure LED fitting from a product specific 3D model available from www.ledil.com.

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

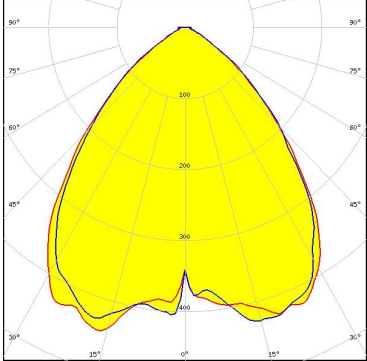## OPTICAL RESULTS (MEASURED):

CREE LEDs
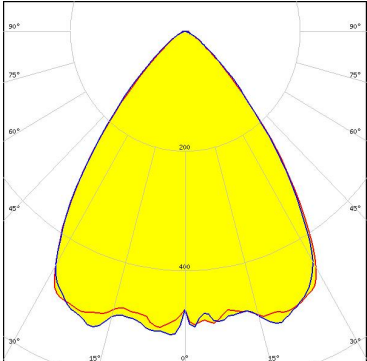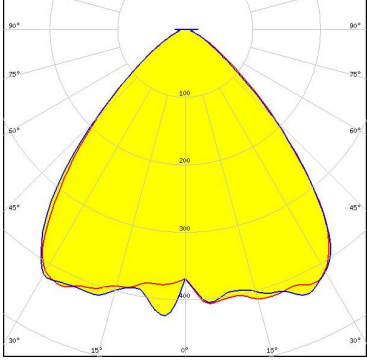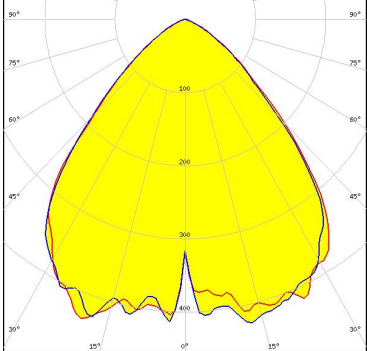
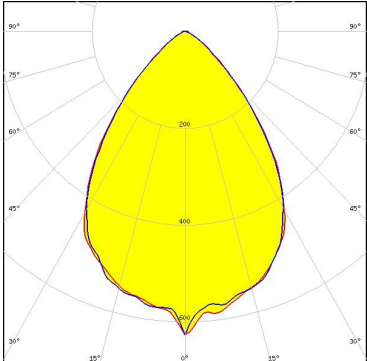|	
LED	XHP70
FWHM / FWTM	88.0° / 122.0°
Efficiency	91 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS
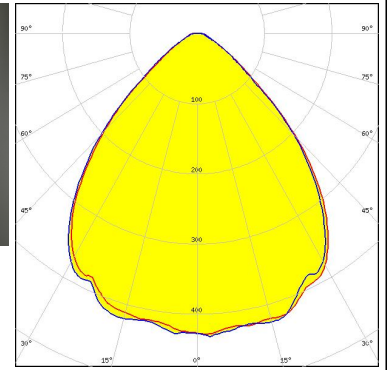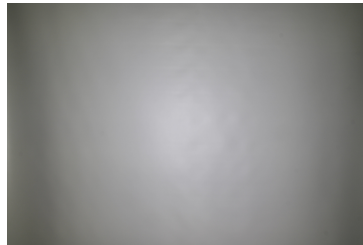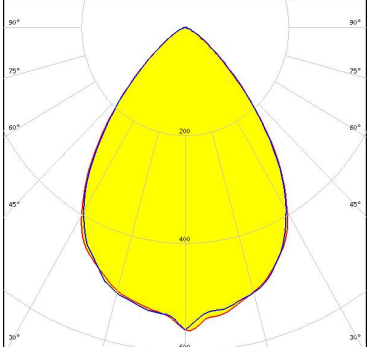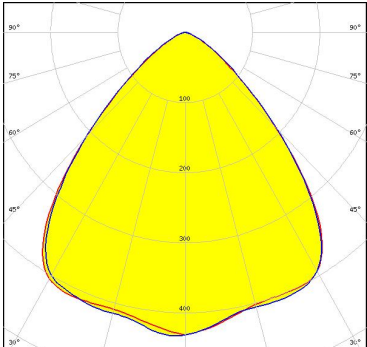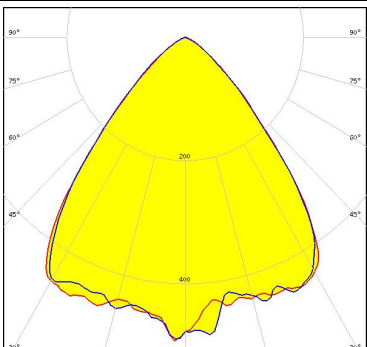
LED	LUXEON 5050 Round LES
FWHM / FWTM	80.0° / 110.0°
Efficiency	93 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
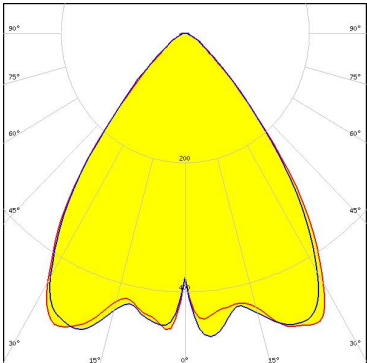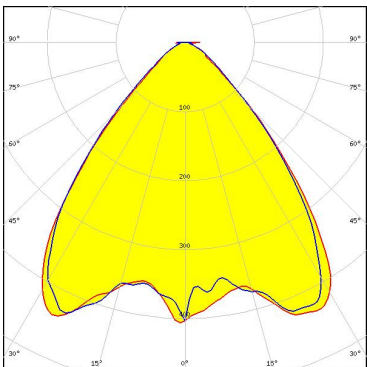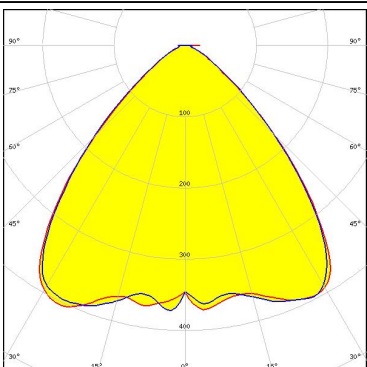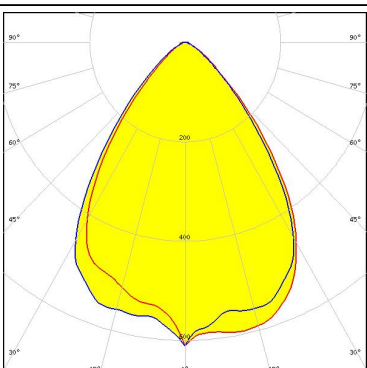
OPTICAL RESULTS (SIMULATED):

bridgelux	
LED	Bridgelux SMD 5050
FWHM / FWTM	77.0° / 108.0°
Efficiency	93 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs	
LED	MHD-E/G
FWHM / FWTM	85.5° / 120.0°
Efficiency	91 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs	
LED	XHP50.2
FWHM / FWTM	86.0° / 120.0°
Efficiency	93 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs	
LED	XHP70.2
FWHM / FWTM	85.0° / 119.0 + 120.0°
Efficiency	86 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
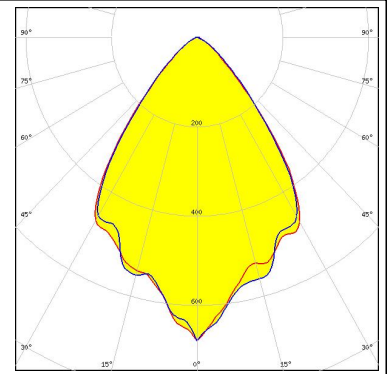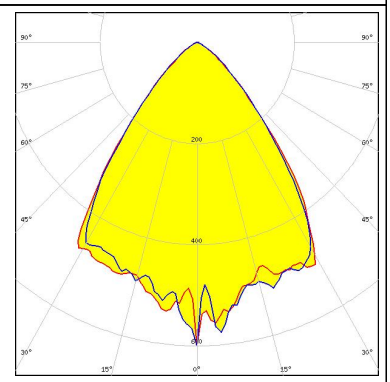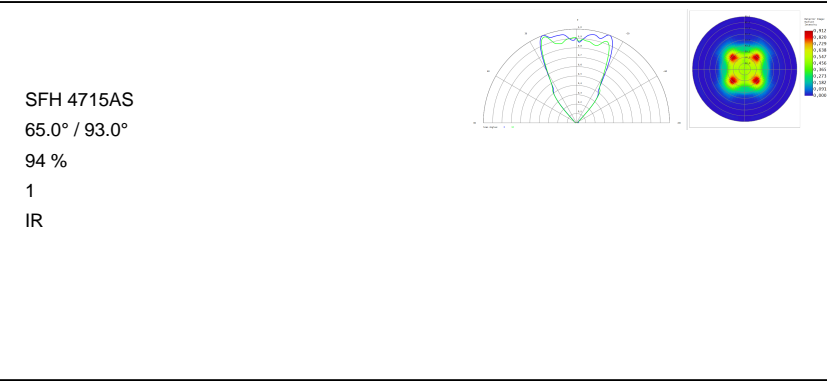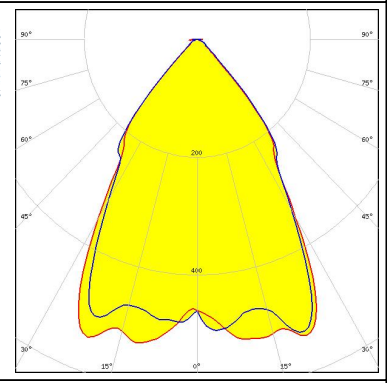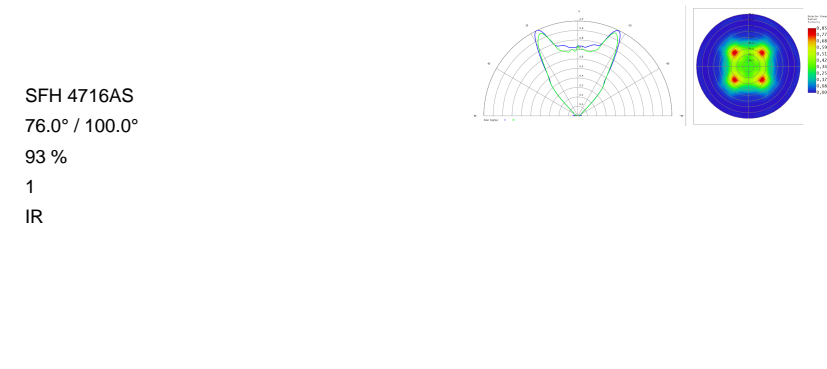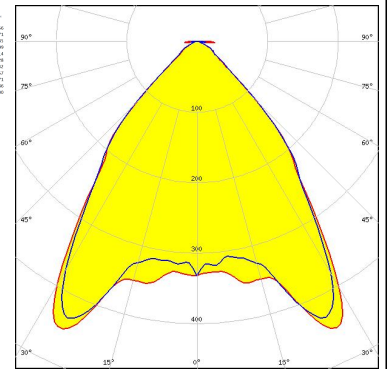
OPTICAL RESULTS (SIMULATED):

LUMILEDS

LED	LUXEON 7070
FWHM / FWTM	74.0° / 108.0°
Efficiency	92 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON 7070
FWHM / FWTM	75.0° / 108.0°
Efficiency	83 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	Protective plate, glass

LUMILEDS

LED	LUXEON M/MX
FWHM / FWTM	88.0° / 121.0°
Efficiency	86 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	Protective plate, glass

LUMILEDS

LED	LUXEON M/MX
FWHM / FWTM	80.0° / 109.0°
Efficiency	90 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (SIMULATED):

LUMILEDS

LED	LUXEON MZ
FWHM / FWTM	77.0° / 107.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON V
FWHM / FWTM	81.0° / 111.0°
Efficiency	92 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

NICHIA

LED	NV4x144A
FWHM / FWTM	86.0° / 121.0°
Efficiency	90 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM
Opto Semiconductors

LED	Duris S10
FWHM / FWTM	74.0° / 107.0°
Efficiency	95 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED	OSCONIQ C 2424
FWHM / FWTM	74.0 + 73.0° / 104.0 + 105.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	4
Light colour	White
Required components:	

OSRAM
Opto Semiconductors

LED	OSCONIQ P 7070
FWHM / FWTM	75.0° / 105.0 + 103.0°
Efficiency	91 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM
Opto Semiconductors

LED	SFH 4715AS
FWHM / FWTM	65.0° / 93.0°
Efficiency	94 %
LEDs/each optic	1
Light colour	IR
Required components:	

OSRAM
Opto Semiconductors

LED	SFH 4716AS
FWHM / FWTM	76.0° / 100.0°
Efficiency	93 %
LEDs/each optic	1
Light colour	IR
Required components:	

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED	SFH 4716S
FWHM / FWTM	75.0° / 101.0°
Efficiency	93 %
LEDs/each optic	1
Light colour	IR
Required components:	