



STANDARD OPTICS RANGE

www.optic-gaggione.com

Who we are

Established in 1948, GAGGIONE's corporate and primary manufacturing facilities are in Montréal-la-Cluse within the Northern Rhone-Alps region of France, located between Lyon and Geneva, at the heart of one of the main European industrial cross-roads.

We continue our dedication to successfully producing the **highest quality optical solutions for LED** and other light applications since introducing the world's first collimator for the Barracuda LED in 1996. GAGGIONE applies its extensive experience and ressources to provide comprehensive **design, development and manufacturing** capabilities for the production of custom-made optical parts and systems.

Quality and production consistency are the results of highly educated optic designers along with our pre-production and tooling team, generations of know-how optimized with great technology such as diamond machining equipment to realize mold inserts; and naturally a production shop of the highest precision injection process machines, operators and **ISO 9001 certification**.

GAGGIONE also operates **strategic alliance** and sister company relationships with QUADRATEC in Quebec, Canada and OPTICA in Bangalore, India. Our QUADRATEC and OPTICA operations provide general and optical grade injection facilities. The standard range of optics is the fruit of long experience in the custom optical components business. It has developed naturally in the face of constantly changing market demands and fast time-to-market, and continues to be one of the exciting businesses GAGGIONE serves in shaping our customer's light.

Custom solution

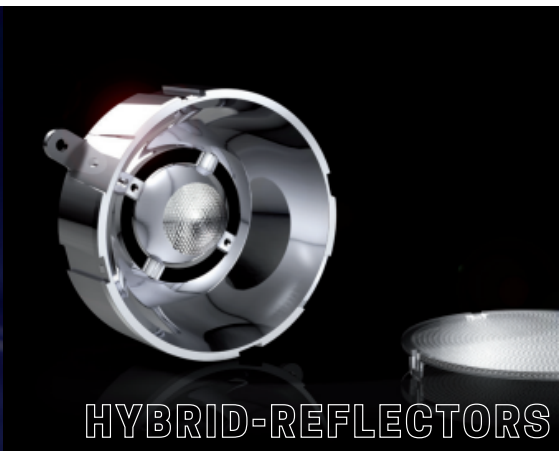
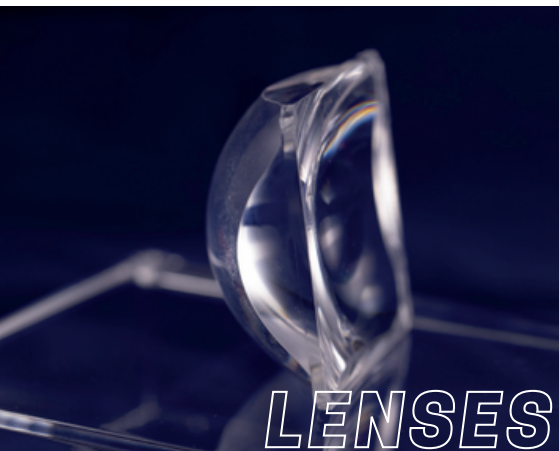
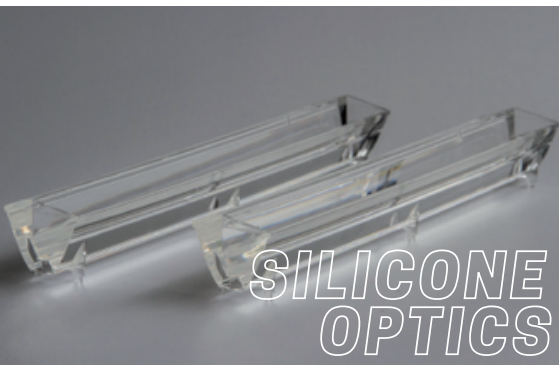
A custom made solution is the right choice for a customer not finding the standard optic in the GAGGIONE's off-the-shelf portfolio. Based on customer's specifications and requirements, GAGGIONE is able to **design the complete optical system and deliver the appropriated lens, collimator, diffuser, light guide or other optic** to work with the requirement. Our experience includes applications in the field of general lighting, street and area lighting, transportation industry or other applications requiring us to shape the light a certain way.

But creating a specific light distribution is not the only reason to decide for a custom design. More and more companies understand the strategic value and show the interest to invest in their **own solution to achieve cost savings**. In this growing market, reducing the bill of materials as well of time of assembly is critical to bringing **competitiveness and delivering to the market fast**. Optics are playing a more impactful role than before and are bringing many opportunities for integration of functionality and increasing lifetime value. In the end, a single part if well designed optimized can help **reduce the bill of materials, simplify stock management, and shorten assembly time resulting in lower overall cost**.

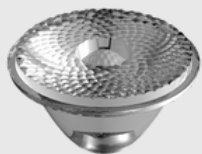
Not only do custom optics help reduce the complexity of the system; they are also the **solution for a better performance efficiency and market distinction and recognition**.

Having your own optical system is a differentiation by design and provides greater potential for increased performance of the end product. Leveraging a partner with solid experience and proven reputation is the solution Gaggion serves in Shaping Your Light.

Our products



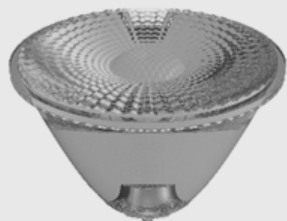
Standard range



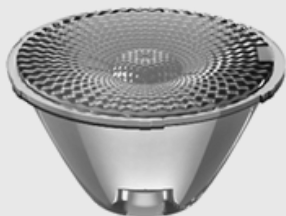
LLC22



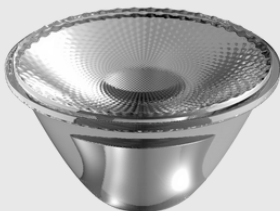
LLC25



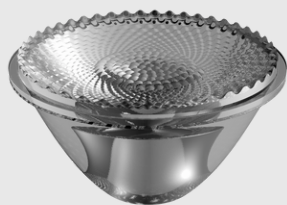
LLC59



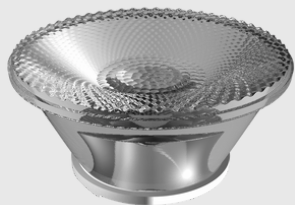
VEGA



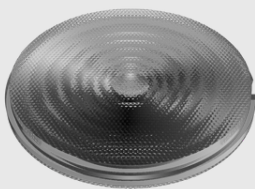
LLC79



LLC66



LLC76



UFO



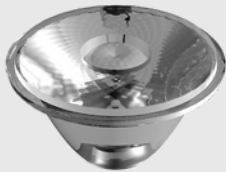
SIRIUS



AVIKA

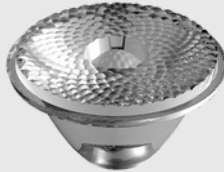
LLC22

ø 16mm PMMA collimator range



LLC22N

Narrow version



LLC22M

Medium version



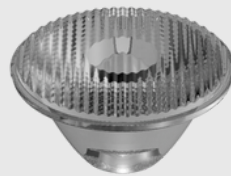
LLC22W

Wide version



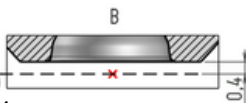
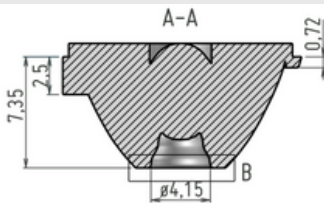
LLC22V

Very large version

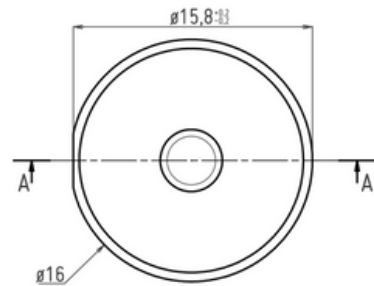
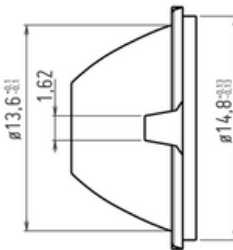


LLC22E

Elliptical version



Focus Point
(Best LED Position)
Focus point : 0,4



Holders : **LLH01CC*** - 8.6mm pin spacing
LLH01BB* - reduced PCB footprint & different heights

NON CHIP IMAGE PATENTED TECHNOLOGY

	CREE	OSRAM	NICHIA	CREE
LLC22N	XQ-E HI	OSLON COMPACT CL	NCSWE17AT	XD16
FWHM (°)	9.6	9.8	11.2	13.2
FWTM (°)	18.6	19.2	21.7	24.5
Efficacy (cd/lm)	18.7	19.1	14.9	10.1

	OSRAM	LUMILEDS	CREE	NICHIA
LLC22M	OSTAR STAGE RGBW	LUXEON Z RGBW	XP-E2	NF2W757_MT
FWHM (°)	23.8	28.8	24.5	25.0
FWTM (°)	44.6	56.1	44.1	48.0
Efficacy (cd/lm)	4.0	2.3	3.9	3.3
CCI*	7.3	9.3	2.2	3

	OSRAM	LUMILEDS	NICHIA	NICHIA
LLC22W	OSTAR STAGE RGBW	LUXEON Z RGBW	NCSWE17AT	NF2W757_MT
FWHM (°)	35.1	34.2	34.4	34.1
FWTM (°)	62.1	66.0	60.4	62.8
Efficacy (cd/lm)	1.9	1.6	2.1	1.9
CCI*	6.2	6.4	1.7	2.5

	OSRAM	LUMILEDS	CREE	NICHIA
LLC22V	OSTAR STAGE RGBW	LUXEON Z TW CLUSTER	XP-E2	NF2W757_MT
FWHM (°)	52.3	54.4	56.1	53.6
FWTM (°)	79.4	83.8	82.0	82.5
Efficacy (cd/lm)	1.0	0.8	0.9	0.9
CCI*	10.5	2.3	1.5	4.2

	OSRAM	LUMILEDS	CREE	NICHIA
LLC22E	OSTAR STAGE RGBW	LUXEON Z TW CLUSTER	XP-E2	NF2W757_MT
FWHM (°)	16.6 - 38.8	22.7 - 36.6	11.9 - 43.8	17.8 - 38.9
FWTM (°)	32.1 - 67.8	38.5 - 70.4	28.1 - 65.2	35.4 - 67.3
Efficacy (cd/lm)	3.3	2.6	4.0	3.2
CCI*	9.4	1.8	2.5	6.3

*CCI: Color Consistency Index, [more information](#)

LLC25

New! Available in PC

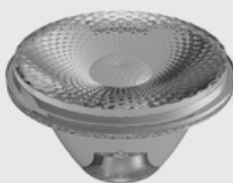
Color mixing $\varnothing$ 32mm PMMA collimator range

NON CHIP IMAGE PATENTED TECHNOLOGY



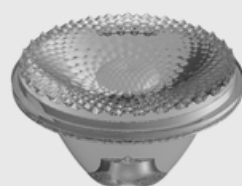
LLC25N

Narrow version



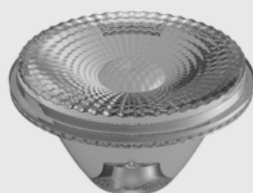
LLC25C

Color version



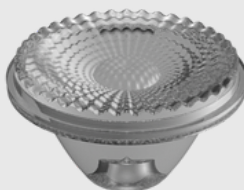
LLC25G

Wall grazing version



LLC25M

Medium version



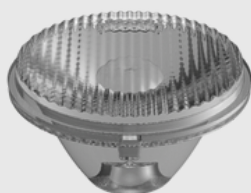
LLC25W

Wide version



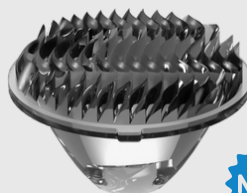
LLC25V

Very large version



LLC25E

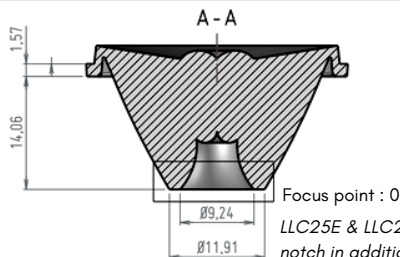
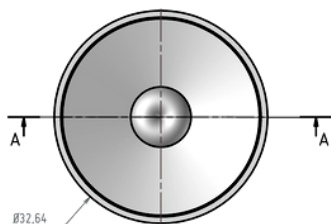
Elliptical version



New!

LLC25A

Asymetric version



LLC25E & LLC25A have an orientation notch in addition to these 2D

New!

Holder : **LLH02B & LLH02C** - reduced footprint,
and High Power & COB compatible

	OSRAM	LUMILEDS	NICHIA	CREE
LLC25N	OSTAR STAGE RGBW	LUXEON Z RGBW	NCSWE17AT	XHP35.2 HI
FWHM (°)	11.5	12.9	7.9	11.3
FWTM (°)	20.8	22.7	15.9	22.3
Efficacy (cd/lm)	18.3	15.5	33.6	16.5
CCI*	6.0	16.5	1.8	3.1

LLC25C	OSTAR STAGE RGBW	LUXEON Z RGBW	NCSWE17AT	XHP35.2 HI
FWHM (°)	14.9	16.8	11.3	14.5
FWTM (°)	27.9	31.4	23.1	28.3
Efficacy (cd/lm)	10.6	8.1	16.6	10.3
CCI*	4.0	10.7	1	0.8

LLC25G	OSTAR STAGE RGBW	LUXEON Z RGBW	NCSWE17AT	XHP35.2 HI
FWHM (°)	15.0	16.3	12.4	15.6
FWTM (°)	30.6	32.7	28.4	32.9
Efficacy (cd/lm)	8.5	7.1	10.4	7.3
CCI*	3.4	3.9	0.8	1.3

LLC25M	OSTAR STAGE RGBW	LUXEON Z RGBW	NCSWE17AT	XHP35.2 HI
FWHM (°)	21.5	20.8	19.7	21.2
FWTM (°)	42.1	41.6	38.5	42.2
Efficacy (cd/lm)	3.9	4.0	4.8	4.0
CCI*	2.9	6.3	0.9	0.9

LLC25W	OSTAR STAGE RGBW	LUXEON Z RGBW	NCSWE17AT	XHP35.2 HI
FWHM (°)	30.7	32.3	31.5	31.6
FWTM (°)	58.5	60.3	57.9	60.0
Efficacy (cd/lm)	2.2	1.8	2.3	2.1
CCI*	3.2	6.3	1.4	0.8

LLC25V	OSTAR STAGE RGBW	LUXEON Z RGBW	NCSWE17AT	XHP35.2 HI
FWHM (°)	57.5	55.0	55.2	56.9
FWTM (°)	79.6	78.0	78.0	81.7
Efficacy (cd/lm)	0.9	1.0	1.0	1.0
CCI*	6.8	7.0	2	1.8

LLC25E	OSTAR STAGE RGBW	LUXEON Z RGBW	NCSWE17AT	XHP35.2 HI
FWHM (°)	11.1 - 33.9	12.9 - 33.2	8.5 - 34.4	12.8 - 33.9
FWTM (°)	20.0 - 51.2	22.5 - 53.2	15.9 - 48.4	23.5 - 52.8
Efficacy (cd/lm)	6.6	5.5	8.4	5.6
CCI*	4.4	9.3	1.8	2.7

LLC59

Color mixing $\varnothing$ 45mm PMMA collimator range



New!

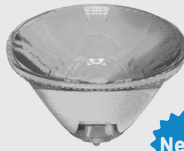
LLC59R

Ultra intensive
version



LLC59U

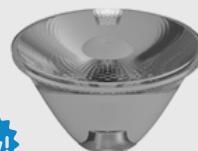
Ultra narrow
version



New!

LLC59RF

Narrow version



LLC59N

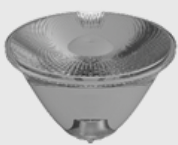
Narrow version



New!

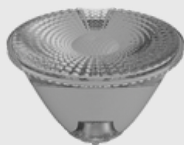
LLC59NF

Narrow version



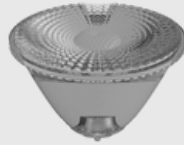
LLC59C

Color version



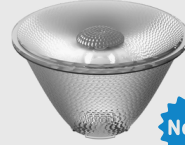
LLC59M

Medium version



LLC59W

Wide version



New!

LLC59V

Very large version

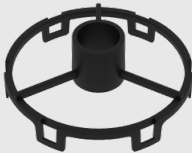


LLC59E

Elliptical version

New!

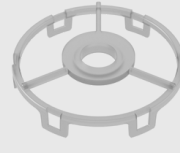
Accessories for better light control



LLW59HM

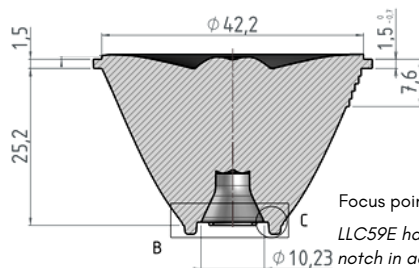
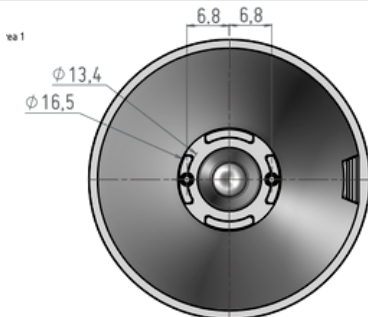


LLW59GW



LLW59FM

Also available in black



Focus point : 0

LLC59E has an orientation
notch in addition to these 2D

NON CHIP IMAGE PATENTED TECHNOLOGY

	OSRAM	LUMILEDS	CREE	NICHIA
LLC59R	OSLON COMPACT CL LUW CEUP	LUXEON Z ES	XHP35.2 HI	NV4WB35AM
FWHM (°)	1.8	3.4	7	7.6
FWTM (°)	3.8	7.6	12.2	14.8
Efficacy (cd/lm)	572.9	160.4	48.6	34.8
CCI	3.1	1.8	4.0	1.4
LLC59U	OSLON COMPACT CL LUW CEUP	LUXEON Z ES	XHP35.2 HI	NV4WB35AM
FWHM (°)	3.7	4.4	7.3	7.6
FWTM (°)	6.3	8.2	13.1	14.0
Efficacy (cd/lm)	181.6	112.2	43.7	37.1
CCI*	1.0	1.5	-	1.1
LLC59RF	OSLON COMPACT CL LUW CEUP	LUXEON Z ES	XHP35.2 HI	NV4WB35AM
FWHM (°)	3.6	4.6	7.3	8.4
FWTM (°)	7.9	9.8	14.2	15.9
Efficacy (cd/lm)	120.1	79.2	35.5	28.1
CCI*	1.9	0.7	2.8	1.0
LLC59N	OSLON COMPACT CL LUW CEUP	LUXEON Z ES	XHP35.2 HI	NV4L144AR
FWHM (°)	4.4	5.4	7.6	7.6
FWTM (°)	8.3	10.1	14.1	15.1
Efficacy (cd/lm)	118.7	77.8	40.2	32.7
CCI*	-	1.5	-	1.3
LLC59NF	OSLON COMPACT CL LUW CEUP	LUXEON Z ES	XHP35.2 HI	NV4WB35AM
FWHM (°)	5.5	6.1	8.1	9.4
FWTM (°)	10.8	12.1	15.7	18.0
Efficacy (cd/lm)	61.7	50.7	29.5	22.3
CCI*	0.4	0.9	1.9	0.9
LLC59C	OSTAR STAGE LE RTDUW S2WN	LUXEON Z ES	XHP35.2 HI	NV4WB35AM
FWHM (°)	9.4	9.2	10.3	10.9
FWTM (°)	18.2	18.1	19.9	21.1
Efficacy (cd/lm)	27.0	25.6	21.1	17.0
CCI*	4.8	1.4	-	1.1
LLC59M	OSTAR STAGE LE RTDUW S2WN	LUXEON M	XHP35.2 HI	NF2W757G MT
FWHM (°)	24.0	24.2	25.2	23.8
FWTM (°)	40.2	44.1	42.7	40.8
Efficacy (cd/lm)	4.7	3.9	4.1	4.6
CCI*	2.3	1	-	0.9
LLC59W	OSTAR STAGE LE RTDUW S2WN	LUXEON Z ES	XHP35.2 HI	NV4WB35AM
FWHM (°)	31.8	32.1	33.0	32.2
FWTM (°)	57.7	59.9	60.1	58.4
Efficacy (cd/lm)	2.3	2.0	2.1	2.2
CCI*	3.1	0.6	-	1.5
	OSRAM	LUMILEDS	CREE	CREE
LLC59V	OSTAR STAGE S2WN	LUXEON Z CLUSTER TW	XHP50.3 HD	XM-L COLOR GEN 2 HI
FWHM (°)	48.6	48	48.2	48.8
FWTM (°)	75.5	76.2	77.9	77.4
Efficacy (cd/lm)	1.3	1.3	1.2	1.2
CCI*	4.5	1.4	1.3	5
LLC59E	OSTAR STAGE LE RTDUW S2WN	LUXEON Z ES	XHP35.2 HI	NV4WB35AM
FWHM (°)	6.4 - 32.8	5.9 - 32.0	7.6 - 33.4	8.2 - 31.5
FWTM (°)	11.7 - 41.3	11.5 - 39.9	41 - 43.9	15.3 - 43.1
Efficacy (cd/lm)	13.4	13.2	10.6	9.1
CCI*	6.8	1.4	-	1.7



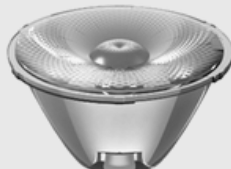
VEGA45U

Ultra narrow
version



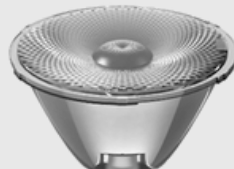
VEGA45UF

Ultra narrow version
Frosted version



VEGA45N

Narrow version



VEGA45C

Color version



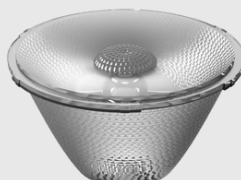
VEGA45M

Medium version



VEGA45W

Wide version



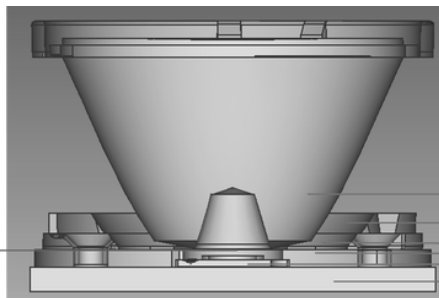
VEGA45V

Very large version



VEGA45E

Elliptical version



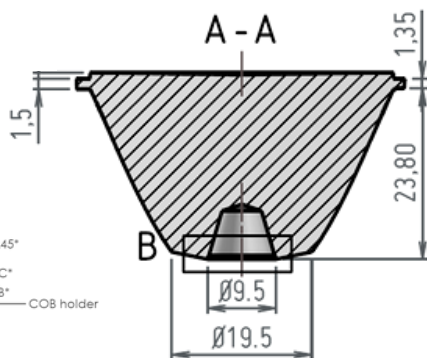
VEGA45*

LLH79C*

LLH66B*

COB

PCB



Focus Point
(Best LES Position)
Focus point : 0

CITIZEN CREE CREE LUMINUS

VEGA45U	CLU7S3	CXB1310	CXB1520	CXM_3
FWHM (°)	8.6	12.7	17.9	8.1
FWTM (°)	14.7	21.8	30.8	13.4
Efficacy (cd/lm)	35.2	14.6	6.1	40.5

VEGA45UF	CLU7S3	CXB1310	CXB1520	CXM_3
FWHM (°)	8.9	13.1	18.4	8.5
FWTM (°)	16.2	23	31.7	16
Efficacy (cd/lm)	28	12.7	5.4	27.4

VEGA45N	CLU7S3	CXB1310	CXB1520	CXM_3
FWHM (°)	8.3	12.5	17.5	8.2
FWTM (°)	15.6	22.3	31.4	15.6
Efficacy (cd/lm)	34.3	14.4	6.1	31.9

CITIZEN CREE CREE BRIDGELUX

VEGA45C	CLU7S3	CXB1310	CXB1520	VESTA_6_TW
FWHM (°)	11.1	13.8	17.9	14.6
FWTM (°)	20.9	26.6	34.9	27.6
Efficacy (cd/lm)	19.2	11.1	5.4	10.4
CCI*	1.2	0.5	0.9	2

VEGA45M	CLU7S3	CXB1310	CXB1520	VESTA_6_TW
FWHM (°)	25.3	25.4	27	25.7
FWTM (°)	43.1	46.2	53.8	46.6
Efficacy (cd/lm)	4	3.4	2.3	3.4
CCI*	0.5	0.5	0.5	0.5

VEGA45W	CLU7S3	CXB1310	CXB1520	VESTA_6_TW
FWHM (°)	33.7	34.2	35.2	34.3
FWTM (°)	61.7	63.9	75.1	65.6
Efficacy (cd/lm)	1.9	1.7	1.4	1.7
CCI*	0.5	0.5	0.3	0.6

CITIZEN CITIZEN CITIZEN NICHIA

VEGA45V	CLU702	CLU711	CLU7R3	NJNSW012Z
FWHM (°)	46.2	46.7	48.1	47.9
FWTM (°)	77.1	80.9	73	74
Efficacy (cd/lm)	1.2	1	1.2	1.2
CCI*	0.2	1.8	1.4	1.5

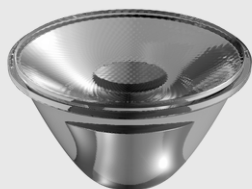
CITIZEN CREE CREE BRIDGELUX

VEGA45E	CLU7S3	CXB1310	CXB1520	VESTA_6_TW
FWHM (°)	8.8 - 33.1	14.6 - 21	17 - 32.5	13.4 - 32.4
FWTM (°)	15.7 - 44.9	26.6 - 37	33.2 - 57.8	23.7 - 51
Efficacy (cd/lm)	8.7	5.5	3.2	5.4
CCI*	3.1	1	0.7	2.6

*CCI: Color Consistency Index, [more information](#)

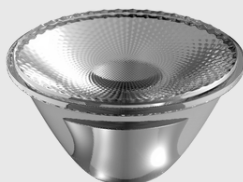
LLC79

ø 45mm silicone collimator range



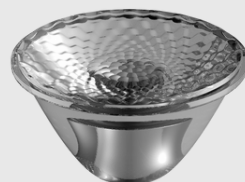
LLC79N7

Narrow version



LLC79C7

Color version



LLC79M7

Medium version



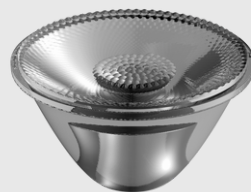
LLC79W7

Wide version



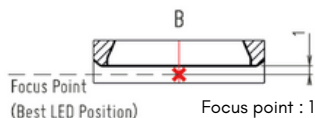
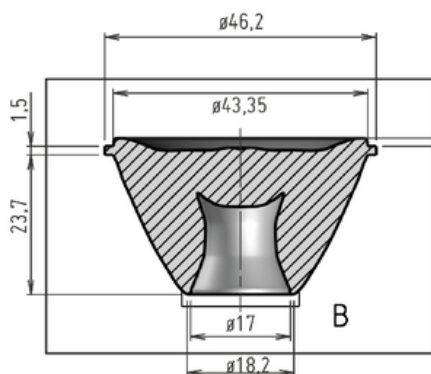
LLC79V7

Very large version



LLC79Z7

Zoom version



PATENTED TECHNOLOGY

	CITIZEN	CITIZEN	CREE	CREE	CREE
LLC79N7	CLU700	CLU711	CXB1310	CXB1520	XHP35HI
FWHM (°)	15.3	20.8	14.5	20.8	7.3
FTWM (°)	27.5	35.8	27.7	33.3	13.5
Efficacy (cd/lm)	10.2	5.9	11.3	6.7	45.2

LLC79C7	CLU700	CLU711	CXB1310	CXB1520	XHP35HI
FWHM (°)	15.4	21.4	16.7	23.8	8.7
FTWM (°)	28.4	37.3	30.1	40	17.2
Efficacy (cd/lm)	9.9	5.6	8.8	4.8	27.6

LLC79M7	CLU700	CLU711	CXB1310	LCXB1520	XHP35HI
FWHM (°)	24.8	23.6	25.0	23.9	23.5
FTWM (°)	43.6	46.6	43.9	47.1	41.6
Efficacy (cd/lm)	4.2	4.0	4.0	4.0	4.5

LLC79W7	CLU700	CLU711	CXB1310	CXB1520	XHP35HI
FWHM (°)	34.4	30.4	31.2	30.1	32.9
FTWM (°)	60.4	60.9	60.1	60.7	60.1
Efficacy (cd/lm)	2.1	2.2	2.3	2.2	2.0

	CITIZEN	CITIZEN	CREE	BRIDGELUX	NICHIA
LLC79Z7	CLU700	CLU7AZ	CXB1310	V4HD	NVNWS007Z_V1
FWHM (°)	15.5 - 29.1	10.7 - 33.1	14.7 - 24.6	12.0 - 33.1	15.2 - 37
FTWM (°)	27.2 - 49.6	19.8 - 45.1	31.4 - 50	22.4 - 47.9	26.1 - 54.5
Efficacy (cd/lm)	10 - 2.8	18 - 2.7	8.9 - 3.2	14.6 - 2.5	10.8 - 1.9

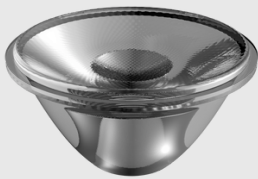
MECHANICAL SYSTEM for LLC79 and LLC66 Series

Two parts mechanical holding system consisting in six base options for various COB interface manufacturers and one universal assembled collimator and cage holder set.



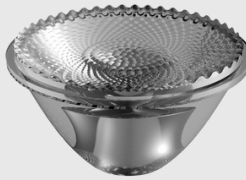
LLC66

ø 67mm silicone collimator range



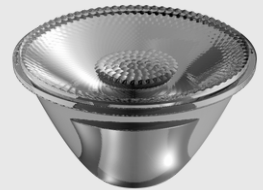
LLC66N7

Narrow version



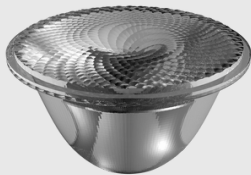
LLC66M7

Medium version



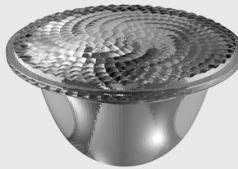
LLC66W7

Wide version



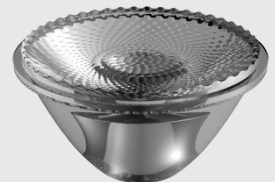
LLC66L7

Large version



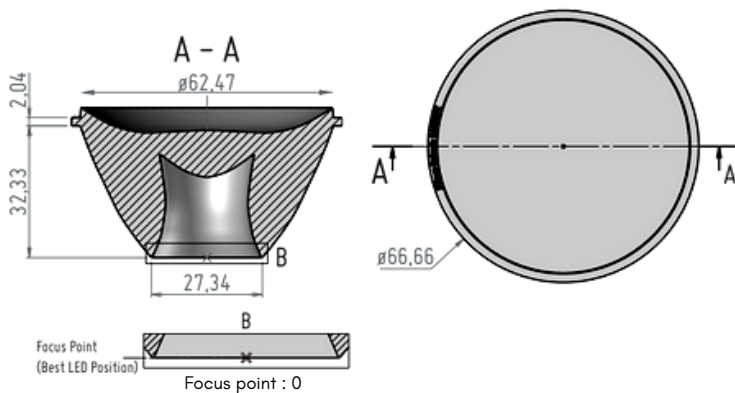
LLC66V7

Very Large version



LLC66Z7

Zoom version



PATENTED TECHNOLOGY

	CITIZEN	CITIZEN	LUMINUS	LUMILEDS	CREE
LLC66N7	CLU702	CLU711	CXM-4	LUXEON MZ	XHP70.2
FWHM (°)	10.8	13.7	7.8	6.3	12.0
FWTM (°)	18.5	22.8	15.5	10.8	20.1
Efficacy (cd/lm)	21.1	14.0	33.4	62.1	18.3

	CLU702	CLU711	CXM-4	LUXEON MZ	XHP70.2
FWHM (°)	22.0	19.9	21.4	22.9	20.1
FWTM (°)	36.5	36.1	33.4	32.0	34.7
Efficacy (cd/lm)	5.4	6.0	6.1	6.1	6.4

	CLU702	CLU711	CXM-4	LUXEON MZ	XHP70.2
FWHM (°)	34.7	30.8	33.3	33.6	30.2
FWTM (°)	55.7	53.0	51.7	51.1	52.0
Efficacy (cd/lm)	2.2	2.4	2.4	2.5	2.6

	CITIZEN	CREE	XICATO	LUMINUS	BRIDGELUX
LLC66L7 (LES≥13MM)	CLU731	CXA1830	XTM19	CVM-18	VERO13
FWHM (°)	39.1	37.7	35.1	38.9	41.1
FWTM (°)	60.5	59.4	60.0	66.1	63.5
Efficacy (cd/lm)	1.7	1.8	1.9	1.7	1.6

	CLU731	CXA1830	XTM19	CVM-18	VERO13
FWHM (°)	54.3	54.9	50.7	43.1	53.5
FWTM (°)	80.9	82.1	79.6	75.9	80.1
Efficacy (cd/lm)	0.9	0.9	1.0	1.2	0.9

	CITIZEN	CITIZEN	CREE	CREE	NICHIA
LLC66Z7 (LES≤9mm)	CLU701	CLU711	CXB1310	CXB1520	NVNW007Z_V1
FWHM (°)	10.0 - 21.2	14.4 - 18.9	10.2 - 21.2	14.0 - 17.4	10.2 - 22.5
FWTM (°)	17.8 - 44.6	22.8 - 45.5	17.8 - 44.2	22.6 - 42.4	17.7 - 44.5
Efficacy (cd/lm)	24.8 - 4.1	16.0 - 4.7	24.4 - 4.2	13.3 - 4.7	24.7 - 4.1

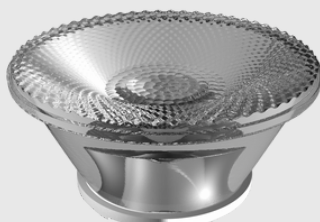


LLC76

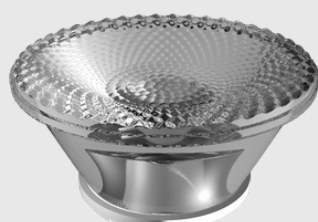
ø 67mm silicone collimator range



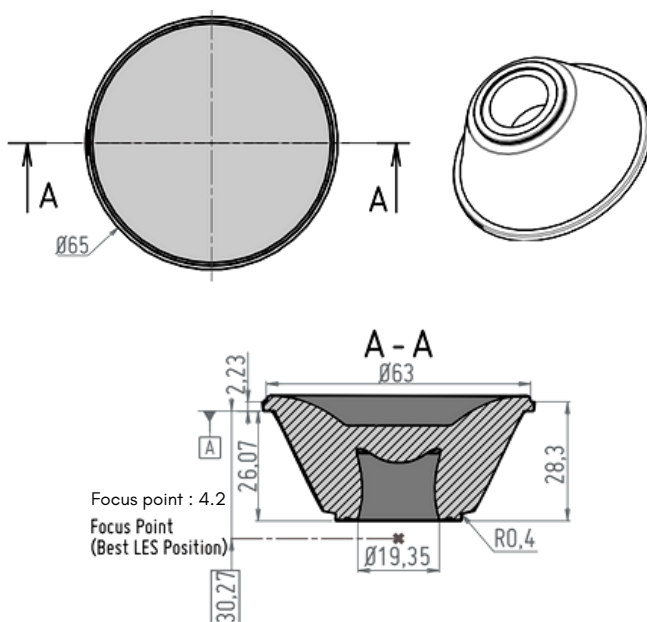
LLC76N7
Narrow version



LLC76M7
Medium version



LLC76W7
Wide version



PATENTED TECHNOLOGY

	CITIZEN	CITIZEN	XICATO	CREE	LUMILEDS
LLC76N7	CLU702	CLU711	X0B09	XHP35.2 HD	LUXEON COB 1202 HB
FWHM (°)	9.8	13.4	12.6	6.5	9.9
FWTM (°)	18.1	22.2	22.3	11.9	17.7
Efficacy (cd/lm)	20.0	11.7	11.0	40.6	22.1

LLC76M7	CLU702	CLU711	X0B09	XHP35.2 HD	LUXEON COB 1202 HB
FWHM (°)	23.0	22.5	21.0	14.3	21.5
FWTM (°)	36.7	39.2	37.0	36.5	35.1
Efficacy (cd/lm)	4.8	4.5	4.3	6.1	5.6

LLC76W7	CLU702	CLU711	X0B09	XHP35.2 HD	LUXEON COB 1202 HB
FWHM (°)	36.6	36.2	31.9	28.9	34.7
FWTM (°)	58.2	61.5	55.0	56.0	55.4
Efficacy (cd/lm)	1.8	1.7	1.8	2.3	2.0

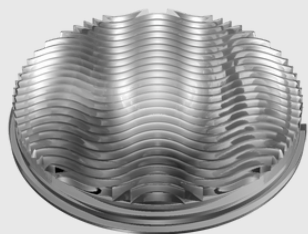
LLH76B4 base for LLC76 series

We created a snapped-in holder ring allowing a very fast and reliable attachment of the optics to the interface.

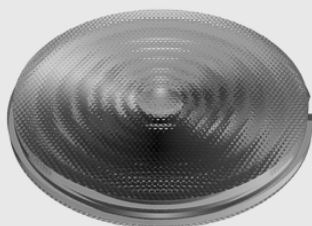


UFO

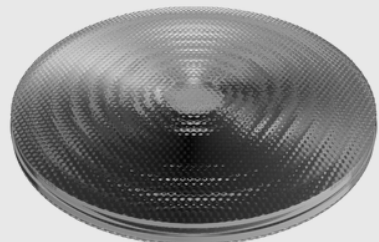
Ø45 and Ø67mm Ultra Flat Optics



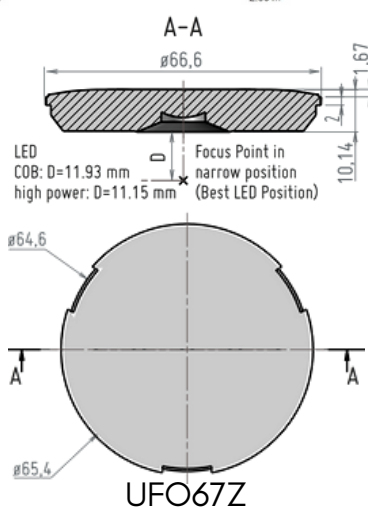
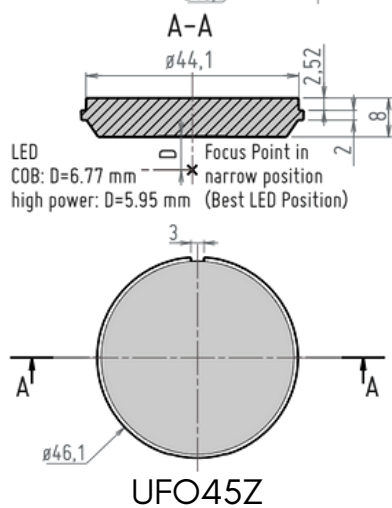
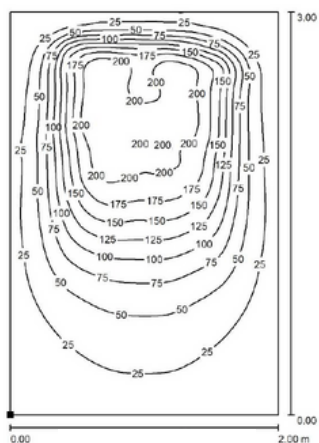
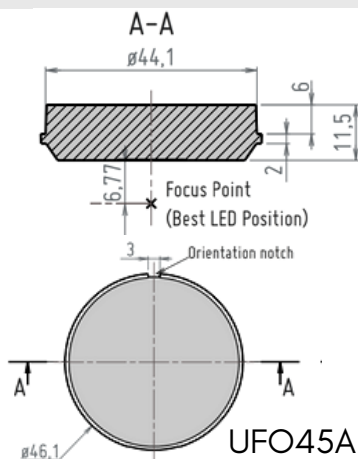
UFO45A



UFO45Z



UFO67Z

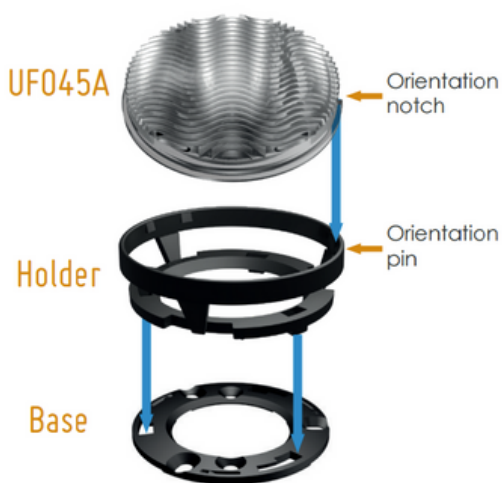


UFO45Z	VESTA 6 TW	CLU7B2	XHP35.2 HI	LUXEON MZ	OSLON SQUARE FLAT
FWHM (°)	17.4 - 43.9	14.1 - 35.7	13.9 - 35.2	13.6 - 48.2	11.8 - 34.4
FWTM (°)	32.9 - 66.0	25.2 - 52.3	24.7 - 51.0	24.4 - 65.8	22.5 - 51.2
Efficacy (cd/lm)	6.1 - 1.5	9.7 - 2.3	9.5 - 2.4	10.4 - 1.3	12.1 - 2.5
CCI*	2.3	1.5	1.2	0.8	2.6

UFO67Z	VESTA 6 TW	CLU7B2	XHP35.2 HI	LUXEON MZ	OSLON SQUARE FLAT
FWHM (°)	13.9 - 44.1	12.2 - 36.5	12.2 - 35.6	11.3 - 50.3	11.3 - 34.5
FWTM (°)	25.6 - 60.1	22.3 - 50.4	22.4 - 48.9	21.6 - 65.7	21.7 - 49.1
Efficacy (cd/lm)	9.4 - 1.7	11.3 - 2.4	10.8 - 2.4	13.4 - 1.4	12.2 - 2.8
CCI*	1.3	0.8	0.6	1	1.9

Mechanical system

Asymmetric



Zoom



Distance between narrow and wide positions

UFO45Z: 6 mm

UFO67Z: 9 mm



Narrow position



Wide position

Available in black and clear



SUFO45NZ*, SUFO67NZ*

SIRIUS

Zoom solutions in 35 & 50mm



KSIRIUS35

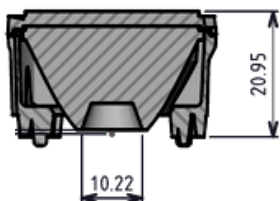
Focus point : 0.3mm



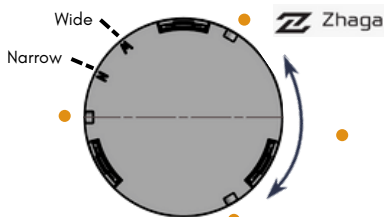
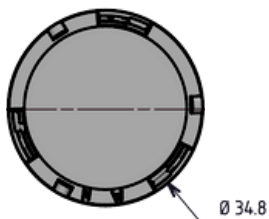
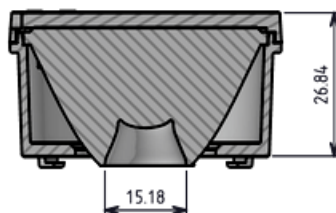
SSIRIUS50

Focus point : 0.5mm

B - B



B - B



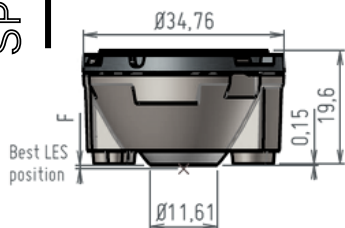
For more information, please refer to the 2D Schematic on the product page

Rotating window has 3 notches for easy integration to the luminaire (free adjustment)

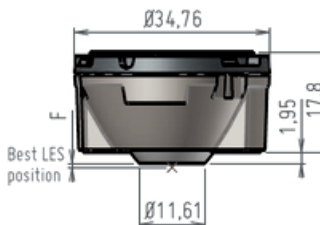
KSIRIUS35*

This range offers different holders to be compatible with major brands of COB holders and HP LED.

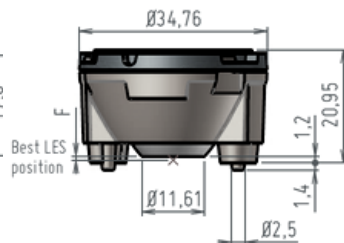
KSIRIUS35Z1*



KSIRIUS35Z4*



KSIRIUS35Z6*



**BENDER
+WIRTH**



for High Power

*Available in transparent by adding a 0 : KSIRIUS35Z10, KSIRIUS35Z40, KSIRIUS35Z60 & also available in black by adding a 2 : KSIRIUS35Z12, KSIRIUS35Z42, KSIRIUS35Z62

SSIRIUS50Z*

The range offers **two different windows** with different compromises.

SSIRIUS50ZTW0: Set SIRIUS50 with a **tunable white** compatible window & a transparent holder

SSIRIUS50ZTW2: Set SIRIUS50 with a **tunable white** compatible window & a black holder

SSIRIUS50Z0: Set SIRIUS50 with the **narrower** window & a transparent holder

SSIRIUS50Z2: Set SIRIUS50 with the **narrower** window & a black holder



TUNABLE WHITE

SSIRIUS50ZTW



NARROWER VERSION

SSIRIUS50Z

For its integration, SSIRIUS50 is compatible with LLH66B bases.



[Discover more LLH66B](#)

	LUMINUS	CITIZEN	CREE	CREE
KSIRIUS35Z**	CXM_3	CLU702	XHP35.2 HI	XHP50.3 HI
FWHM (°)	16.9 - 47	21.9 - 50.6	15.6 - 47.8	16.7 - 47.6
FWTM (°)	33.9 - 72.8	45.7 - 81.3	30.7 - 72.6	34 - 73.6
Efficacy (cd/lm)	6.8 - 1.4	3.7 - 1.1	7.5 - 1.3	6.4 - 1.3
CCI*	0.4	0.8	0.6	1.4

	CITIZEN	CREE	LUMILED	CREE
SSIRIUS50ZTW*	CLU702	CXB1520	CLUST. TW LUXZ	XHP50B
FWHM (°)	17.8 - 52.2	21.5 - 53	13.5 - 47.4	15.1 - 46.9
FWTM (°)	35.8 - 74.8	43.1 - 78.5	24.9 - 69.4	30.4 - 69.6
Efficacy (cd/lm)	6.6 - 1.2	4.2 - 1.1	15.9 - 1.9	9.3 - 1.5
CCI*	0.7	1.1	2.2	0.8

	SSIRIUS50Z*	CLU702	CXB1520	CLUST. TW LUXZ	XHP50B
FWHM (°)		15.3 - 53.1	19 - 53.6	10 - 47	10.6 - 48
FWTM (°)		32.4 - 73.9	40.6 - 77.7	20.6 - 66.8	23 - 67.7
Efficacy (cd/lm)		8.2 - 1.2	5 - 1.1	24.6 - 2	16.5 - 1.6

*CCI: Color Consistency Index, [more information](#)



AVIKA 2x2
5050 T3S



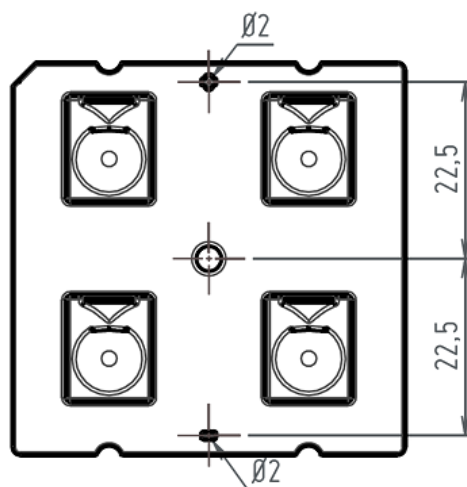
AVIKA 2x2
5050 T2S

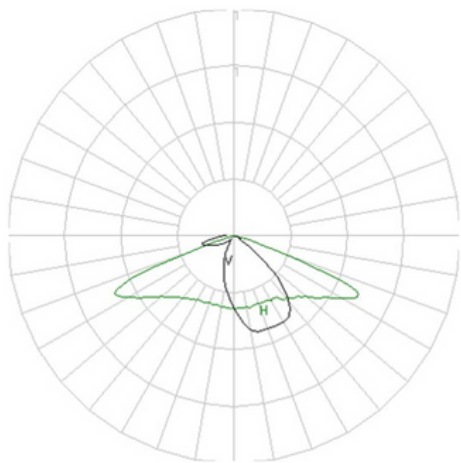
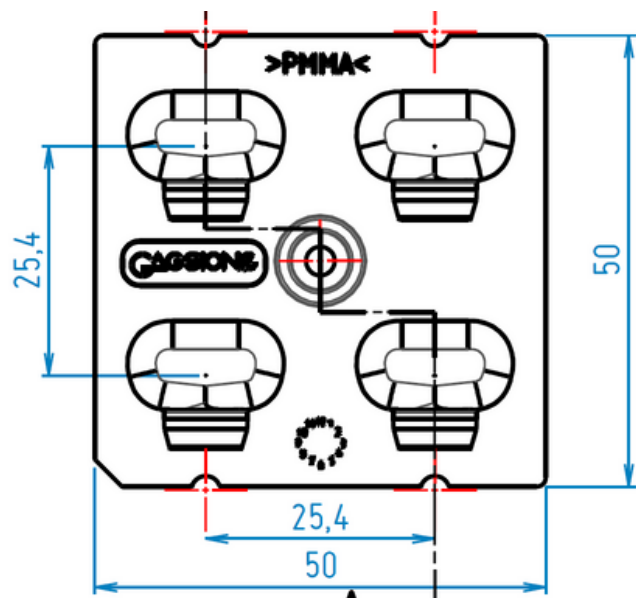
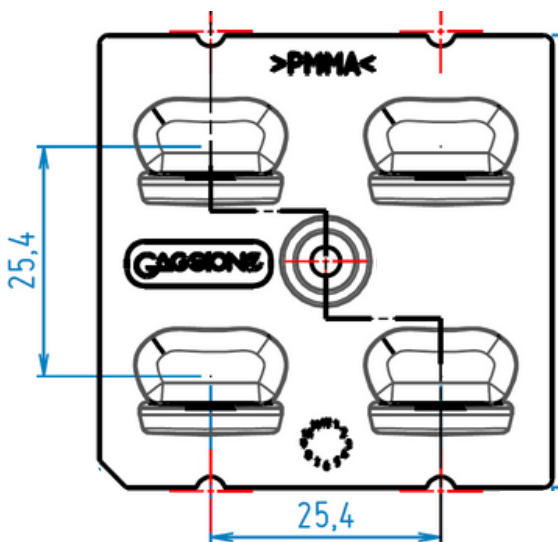
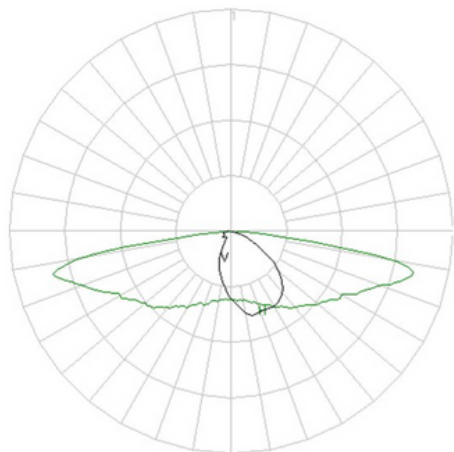


AVIKA 2x2
5050 T3S M



AVIKA 2x2
5050 T2S M





LED : Luxeon 5050

ACCESS THE COMPLETE DATASHEET

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