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# GAGGIONE

SHAPING YOUR LIGHT



67 mm  
Silicone collimators  
LLC66

# LLC66

GAGGIONE developed six references to match market requirements on beam angle options: LLC66N7 Narrow beam, LLC66M7 Medium beam, LLC66W7 Wide beam, LLC66L7 Large beam, LLC66V7 Very large beam and LLC66Z7 Zoomable, based on the same patented technology.



10° FWHM

**LLC66N7**  
Narrow Version



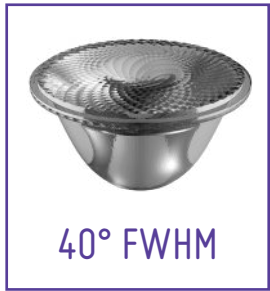
20° FWHM

**LLC66M7**  
Medium Version



30° FWHM

**LLC66W7**  
Wide Version



40° FWHM

**LLC66L7**  
Large Version



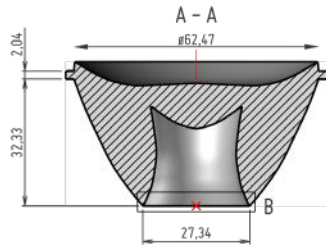
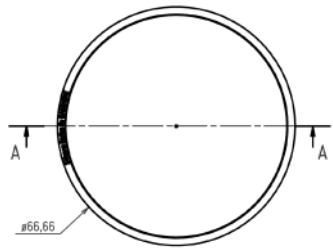
50° FWHM

**LLC66V7**  
Very Large Version

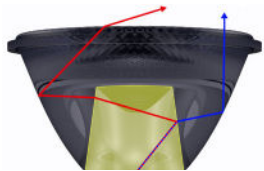


10°-30° FWHM

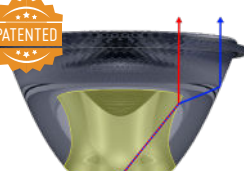
**LLC66Z7**  
Zoom version



The **LLC66** product range uses the market acclaimed negative draft angle technology to provide a beam without halo nor straylight.



Conventional input shape miss-collects some of the light rays creating halo.



Negative draft angle input shape eliminates straylight with a better light control.

# Compatibility Matrix

	CITIZEN	CITIZEN	CREE	CREE	CREE
<b>LLC66N7</b>	CLU701	CLU711	CXB1310	CXB1520	XHP70
FWHM (°)	9,7	13,7	9,9	13,4	12,0
FWTM (°)	16,9	22,8	16,4	24,0	20,1
Efficacy (cd/lm)	26,2	14,0	28,4	13,2	18,3

	CITIZEN	CITIZEN	CREE	CREE	CREE
<b>LLC66M7</b>	CLU701	CLU711	CXA1310	CXB1520	XHP70
FWHM (°)	21,3	19,9	21,4	20,6	20,1
FWTM (°)	34,0	36,1	33,8	37,4	34,7
Efficacy (cd/lm)	6,2	6,0	6,7	5,4	6,4

	CITIZEN	CITIZEN	CREE	CREE	CREE
<b>LLC66W7</b>	CLU701	CLU711	CXB1310	CXB1520	XHP70
FWHM (°)	31,9	30,8	32,1	30,7	30,2
FWTM (°)	52,7	53,0	51,9	53,9	52,0
Efficacy (cd/lm)	2,4	2,4	2,6	2,3	2,6

	CITIZEN	CREE	XICATO	OSRAM	BRIDGELUX
<b>LLC66L7</b> (LES>13mm)	CLU731	CXA1830	XTM19	SOLERIQ S13	VER013
FWHM (°)	39,1	37,7	35,1	40,7	41,1
FWTM (°)	60,5	59,4	60,0	61,6	63,5
Efficacy (cd/lm)	1,7	1,8	1,9	1,7	1,6

	CITIZEN	CITIZEN	CREE	CREE	CREE
<b>LLC66V7</b> (LES>13mm)	CLU731	CXA1830	XTM19	SOLERIQ S13	VER013
FWHM (°)	54,3	54,9	50,7	55,7	53,5
FWTM (°)	80,9	82,1	79,6	81,7	80,1
Efficacy (cd/lm)	0,9	0,9	1,0	0,9	0,9

	CITIZEN	CITIZEN	CREE	CREE	NICHIA
<b>LLC66Z7</b> (LES< 9mm)	CLU701	CLU711	CXB1310	CXB1520	NVNWS007Z_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

For full compatibility matrix please refer to our website [www.optic-gaggione.com](http://www.optic-gaggione.com)