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GAGGIONE

SHAPING YOUR LIGHT



45 mm
Silicone collimators
LLC79

LLC79

The LLC79 45mm Silicone collimator range has been designed to provide the advantages of LLC66 within a smaller form factor. Designed for demanding requirements, LLC79 range provides high homogeneity with great cut-off beams for high power LEDs, 6mm and 9mm COBs.

The holder assembled with the Narrow, Medium, Color or Wide version is compatible with the LLH66Bx0x bases. It allows a very easy and fast product design compatible with many different COB holders. A LLH66B6 base is also available for PCB mounted High Power LED. The Zoom version LLC79Z7 is available with the same mechanical attachment system as the LLC66Z7.



17° FWHM

LLC79N7
Narrow Version



15° FWHM

LLC79C7
Color Version



24° FWHM

LLC79M7
Medium Version



33° FWHM

LLC79W7
Wide Version



17 - 30° FWHM

LLC79Z7
Zoom version

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.

LLS66x02
Black Holder



LLS66x00
Clear Holder



LH66Bx0* Base



Compatibility Matrix

	Citizen	Citizen	CREE	CREE	CREE
LLC79N7	CLU700	CLU711	CXB1310	CXB1520	XHP35HI
FWHM (°)	15,3	20,8	14,5	20,8	7,3
FWTM (°)	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
FWTM (°)	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	CXB1520	XHP35HI
FWHM (°)	24,8	23,6	25,0	23,9	23,5
FWTM (°)	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
FWTM (°)	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
FWTM (°)	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

