

# The Specification of Side Collimating Module for Ultra-wide angle system

2021-08-13

OneStone

Model Name	CM-1120B	CM-1120IR	CM-08120	CM-08120N	CM-10120
Picture					
Light Source	Cree Xlamp XM-L2 LED	USHIO SMBB850DS-1100 USHIO SMBB940DS-1100	Cree Xlamp XM-L2 LED	Cree Xlamp XM-L2 LED	Cree Xlamp XM-L2 LED
Brightness Uniformity	more than 90%	more than 90%	more than 90%	more than 90%	more than 90%
Color Temperature	6000±500°K 5000±500°K		6000±500°K 5000±500°K	6000±500°K 5000±500°K	6000±500°K 5000±500°K
Collimating Lens Model Name	CL-1120B	CL-1120IR	CL-08120	CL-08120	CL-10120
The Range of Wavelength	Visible	850nm, 940nm	Visible	Visible	Visible
Effective Focal Length	323.9mm	328.1mm(850nm) 329.3mm(940nm)	323.9mm	323.9mm	323.9mm
Inspectable FOV	5°	5°	8°	10°	10°
Exit Pupil Size	Φ4.5mm	Φ4.5mm	Φ4.5mm	Φ4.5mm	Φ4.5mm
Exit Pupil Position (Optics)	120.0mm	120.0mm	120.0mm	120.0mm	120.0mm
Exit Pupil Position (Mecha)	117.36mm	117.36mm	117.36mm	117.36mm	117.36mm
Lens Ass'y Size	Φ38.0mm X L59.0mm	Φ38.0mm X L59.0mm	Φ34.0mm X L59.0mm	Φ34.0mm X L59.0mm	Φ38.0mm X L59.0mm
Weight	0.54kg	0.54kg	0.66kg	0.57kg	0.87kg
The Range of Object Distance	400mm ~ Infinity	500mm ~ Infinity	1m ~ Infinity	0.4m ~ 1m	1m ~ Infinity
The Range of Working Distance	58.8 ~ 203.7mm	77.6 ~ 207.67mm(850nm) 77.9 ~ 208.68mm(940nm)	124.4 ~ 203.7mm	58.8 ~ 124.4mm	58.8 ~ 203.7mm
The Range of Chart Size (Dia)	Φ15.6 ~ Φ28.3mm	Φ17.35 ~ Φ28.77mm	Φ34.23 ~ Φ45.31mm	Φ25.05 ~ Φ34.23mm	Φ42.86 ~ Φ56.73mm