



CM48 Series



Technical Specifications

Product Information	
Models	CM48I8-1040 CM48I8-2040 CM48I8-4080 CM48I8-90120 CM48I8-180
Beam Angle (Horizontal)	CM48I8-1040: 10° ~ 40° CM48I8-2040: 20° ~ 40° CM48I8-4080: 40° ~ 80° CM48I8-90120: 90° ~ 120° CM48I8-180: 180°
Distance	CM48I8-1040: 100 ~ 250 m (328 ~ 820 ft) CM48I8-2040: 120 ~ 200 m (394 ~ 656 ft) CM48I8-4080: 60 ~ 90 m (197 ~ 295 ft) CM48I8-90120: 45 ~ 55 m (148 ~ 180 ft) CM48I8-180: 40 m (131 ft)
Beam Pattern	CM48I8-1040: Circular CM48I8-2040: Elliptical CM48I8-4080: Elliptical CM48I8-90120: Rectangular CM48I8-180: Rectangular
LED Array	24 pcs LED
Wavelength	850 nm
External Input	IR ON/OFF control
External Output	Day/Night switching
Automatic IR On/Off	Controlled by Light Sensor
Light Sensor Sensitivity	1/5/10/30(default)/50/100 Lux (accessed via CaMate remote/RS-485 control)
Adjustable IR Power	20%-100% (accessed via CaMate remote/RS-485 control)
General	
Power Input	12~24V DC ±10%, 24V AC(50/60Hz) ±10% (14.5VDC current controlled)
Power Consumption	Max. 48 W
Operating Temperature	-40°C ~ +60°C (-40°F ~ +140°F)

Working Temperature	-50°C ~ +60°C (-58°F ~ +140°F)
Dimensions	220 x 160 x 73 mm (8.6 x 6.3 x 2.9 inch)
Weight	2.1 kg
Cable Length	0.75 m (2.46 ft) UL AWM
Casing	IP68, IK10
Safety Certifications	IEC 62471, EN 50130-4, CE EN61000-6-3, EN60598-1, EN60598-2-5, FCC Class B, EN60529
Humidity	90%

Optional LED Source (Power Input 24V DC/AC 10%)

940nm	CM48I8-1040 => CM48I9-1040 CM48I8-2040 => CM48I9-2040 CM48I8-4080 => CM48I9-4080 CM48I8-90120 => CM48I9-90120
white LED 5000K	CM48I8-1040 => CM48W5-1040 CM48I8-2040 => CM48W5-2040 CM48I8-4080 => CM48W5-4080 CM48I8-90120 => CM48W5-90120

Included Accessories

Bracket	U-Type Bracket (134 x 34 x 81.5 mm)
Remote Controller	CMA-E01

Compatible Accessories

Bracket	AM-219: L-Bracket for Dual CaMate Illuminators CMA-B01: L-Bracket for Single CaMate Illuminator CMA-B03: U-Type Bracket for Single CaMate Illuminator
Mounting Kit	CMA-B04: Wall-Mount Kit for Single/Dual CaMate Illuminator CMA-B05: Wall-Mount Kit for Dual/Triple CaMate Illuminator CMA-B06: Wall-Mount Kit for Dual/Triple CaMate Illuminator
Alignment Kit	CMA-A01: Laser Alignment Kit
Remote Controller	CMA-E01
Power Supply	HLG-60H-24: 60W Single Output Switching Power Supply