



CM80 Series



Technical Specifications

Product Information	
Models	CM80I8-1040 CM80I8-2040 CM80I8-4080 CM80I8-90120
Beam Angle (Horizontal)	CM80I8-1040: 10° ~ 40° CM80I8-2040: 20° ~ 40° CM80I8-4080: 40° ~ 80° CM80I8-90120: 90° ~ 120°
Distance	CM80I8-1040: 140 ~ 350 m (459 ~ 1148 ft) CM80I8-2040: 170 ~ 280 m (557 ~ 918 ft) CM80I8-4080: 80 ~ 120 m (262 ~ 393 ft) CM80I8-90120: 60 ~ 70 m (196 ~ 229 ft)
Beam Pattern	CM80I8-1040: Circular CM80I8-2040: Elliptical CM80I8-4080: Elliptical CM80I8-90120: 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% (Max. 1000 Lux) (accessed via CaMate remote/RS-485 control)
Adjustable IR Power	20%-100% (accessed via CaMate remote/RS-485 control)

General	
Power Input	24VDC ±10%, 24V AC(50/60Hz) ±10%
Power Consumption	Max. 90 W
Operating Temperature	-40 °C ~ +50°C (-40 °F ~ +122 °F)
Working Temperature	-50 °C ~ +50 °C (-58 °F ~ +122 °F)
Dimensions	220 x 160 x 73 mm (8.6 × 6.3 × 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 A, EN60529
Humidity	90%

Optional LED Source (Power Input 24V DC/AC 10%)	
940nm	CM80I8-1040 => CM80I9-1040 CM80I8-2040 => CM80I9-2040 CM80I8-4080 => CM80I9-4080 CM80I8-90120 => CM80I9-90120
white LED 5000K	CM80I8-1040 => CM80W5-1040 CM80I8-2040 => CM80W5-2040 CM80I8-4080 => CM80W5-4080 CM80I8-90120 => CM80W5-90120

Included Accessories	
Bracket	U-Type Bracket (134 × 34 × 81.5 mm)

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-120H-24: 120W Single Output Switching Power Supply