



# CA80 Series



## Technical Specifications

| Product Information      |                                                                                        |
|--------------------------|----------------------------------------------------------------------------------------|
| Models                   | CA80I8-1040<br>CA80I8-2040                                                             |
| Beam Angle (Horizontal)  | CA80I8-1040: 10° ~ 40°<br>CA80I8-2040: 20° ~ 40°                                       |
| Distance                 | CA80I8-1040: 140 ~ 350 m (459 ~ 1148 ft)<br>CA80I8-2040: 170 ~ 280 m (557 ~ 918 ft)    |
| Beam Pattern             | CA80I8-1040: Circular<br>CA80I8-2040: Elliptical                                       |
| 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<br>EN61000-6-3, EN60598-1, EN60598-2-5, FCC Class A, EN60529 |
| Humidity              | 90%                                                                                    |

| Included Accessories |                                     |
|----------------------|-------------------------------------|
| Bracket              | U-Type Bracket (134 × 34 × 81.5 mm) |
| Remote Controller    | CMA-E01                             |

| Compatible Accessories |                                                                                                                                                                                        |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bracket                | AM-219: L-Bracket for Dual CaMate Illuminators<br>CMA-B01: L-Bracket for Single CaMate Illuminator<br>CMA-B03: U-Type Bracket for Single CaMate Illuminator                            |
| Mounting Kit           | CMA-B04: Wall-Mount Kit for Single/Dual CaMate Illuminator<br>CMA-B05: Wall-Mount Kit for Dual/Triple CaMate Illuminator<br>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                                                                                                                                 |