On-Axis Lights

Product Specifications

Illumination	**LED.O100M and LED.O50M models**:diffused on-axis light; continuous or strobed operation is selectable using sensor software. **LED.O75N and LED.O25N models**:continuous diffused or strobed diffused, depending on model
Supply Voltage and Current	**LED.O100M and LED.O50M models**:24V dc ±10% @ 500 mA max.; voltage supplied by PresencePLUS P4 sensors, if operating at 24V dc. **LED.O75N and LED.O25N models**: LED..N, LED..N-D, LED..N-H models:12V dc ±10% with voltage regulation of ±1% LED..N-S models:24V dc ±10% with voltage regulation of ±1%
Light Source and Wavelength	**LEDRO100M and LEDRO50M models**:visible red, 630 nm **LEDWO100M and LEDWO50M models**:visible white, 5500 K **LEDBO100M and LEDBO50M models**:visible blue, 470 nm **LEDGO100M and LEDGO50M models**:visible green, 530 nm **LEDIO100M and LEDIO50M models**:infrared, 850 nm **LEDWO100N model**:visible white, 6500 K **LEDRO75N-H model**:visible red, 660 nm **LEDBO75N model**:visible blue, 470 nm **LEDWO75N and LEDWO75N-S models**:visible white, 6500 K **LEDRO75N and LEDRO75N-S models**:visible red, 640 nm **LEDWO25N models**:visible white, 6500 K **LEDBO25N models**:visible blue, 460 nm **LEDRO25N models**:visible red, 640 nm
Connections	**LED.O100M and LED.050M models**:300 mm pigtail with 3-pin male Pico-style quick-disconnect fitting. QD cables are ordered separately **LED.O75N and LED.O25N models**:0.5 m attached cable terminated with 9-pin D-sub connector (male pins) **LED.50N-S and LED.O75N-S models**:1.8 m attached cable terminated with 9-pin D-sub connector (male pins)
Construction	**LEDRO100M and LEDRO50M models**: Housing:black anodized aluminum Beam splitter:optical glass with optical coatings on both sides Diffuser:high-percision cast acrylic Dust cover:optical glass with broadband anti-reflective coating (425 - 675 nm) (some models) **LED.O75N and LED.O25N models**:black anodized aluminum
Useful Life	**LED.O100M and LED.O50M models**:When operated within specifications, output will decrease less than 20% after 10,000 hours and less than 30% after 20,000 hours (based on continuous operation). **LED.O75 and LED.O40 models**:actual useful life of strobed lights depends on duty cycle **LEDRO75N, LEDWO25N, LEDRO25N and LEDBO25N models**:60,000 hours **LEDWO75N and LEDBO75N models**:50,000 hours

Operating Conditons	**Temperature**: LED.O100M and LED.O500M models:0° to +50° C LED.O100, LED.O75, LED.O50 and LED.O25 models:0° to +40° C **Relative humidity**: LED.O100M and LED.O50M models:90% @ 50° C (non-condensing) **LED.O75 and LED.O25 models**:95% @ 40° C (non-condensing)
Cleaning Instructions	**LED.O100M and LED.O50M models**:Regularly remove any dust, dirt or fingerprints from the light source. Blow off dust using anti-static compressed air or if necessary, use a lens cloth and lens cleaner or window cleaner to wipe off remaining debris. Do not use any other chemicals for cleaning.
Installation Note	**LED.O100M and LED.O50M models**:Before installing an on-axis light, it is recommended that the listed ambient light filter be used LED.O100M models:50 x 50 mm suggested field of view and 25 mm minimum suggested stand off LED.O50M models:25 x 25 mm suggested field of view and 25 mm minimum suggested stand off