16MM PILOT LIGHTS

SERIES 16 PRODUCT PROFILE



c3controls **16mm Pilot Lights** feature Lexan™ lenses in a variety of colors and are built to handle even the harshest of environments. Designed for use in switchgear applications, our light units are available in multi-voltage, full voltage and resistor.

COMPACT LIGHTS SAVE YOU VALUABLE SPACE WHERE YOU NEED IT MOST

✓ Quick & Simple	Front panel mounting for simple installation & lamp replacement.
✓ Long Lasting	Our reflection technology and state-of-the-art LED lamps improve visibility from all angles, and c3controls LED lamps last 100,000 hours—that's 11.4 years!
✓ Rugged Design	Our rugged Lexan™ lenses can resist high impact for reliable performance in most environments—even in high ambient temperatures.
✓ Heavy-Duty	Polyester construction provides superior durability, corrosion resistance, moisture rejection and electrical insulation, and encases the resistors to keep heat away from the wires.
✓ Simple Customization	Various lens color options are available for appropriate operator interface.
✓ Visible Certifications	Our product certifications and electrical ratings are clearly marked on the outside of the operator for easy reference during installation.
✓ Environmentally Secure	With 4/4X and IP65 ratings, our 16mm line of pilot lights are built to last and withstand dust, corrosion, ice, and rain.
✓ Enhanced Safety	Our field-installable IP20 terminal guards are transparent to maintain terminal visibility and they snap securely in place without the use of tools.
✓ Stability	All 16mm lights use a miniature bayonet base to provide reliable security for the lamps.
✓ 36-Month Warranty*	Every product is backed by our 36-Month Warranty—giving you confidence in the quality, reliability, and performance of components designed for the most demanding applications.
✓ Guaranteed Same-Day Shipping*	Product availability reduces inventory, and improves cash-flow—saving you money. With c3controls any order for standard catalog items received by 6:00pm ET is guaranteed to ship same-day.
✓ Advantage Pricing	Our approach to product development, manufacturing, and focus on servicing the OEM and Electrical Equipment Builder reduces cost. The result—the best value in the industry.

*See c3controls Terms & Conditions

ADVANTAGES

Exclusive Multi-Voltage Lights

- We've expanded the range of our multi-voltage lights. Our non-relampable multi-voltage light units that once operated from 20V to 240V, now operate at any voltage from 20V to 277V AC or DC without losing intensity, making them interchangeable across multiple applications—an exclusive of c3controls! They are available in six different colors and have the life span of 100,000 hours—that's 11.4 years!



c3controls®

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series 16 16MM PILOT LIGHTS

SPECIFICATIONS

ELECTRICAL RATINGS

Lamp	Industry Number	Rated Volts	Lumens (MSCD)	Design Life (Hrs.)	Current Draw (mA)	Lamp Type	Shock & Vibration	Leakage Protection
LED12	**	12V †	Varies w/Color 2000 mcd Typical	100,000	< 20	LED*	Excellent	4 mA
LED24		24V †			< 20			4 mA
LED130		120/130V †			< 10			2 mA

† LED voltage tolerance is +/- 10%

* Specify Lamp color when ordering

** Designates a "Special Order" lamp that is not readily available on the open market.

MULTI-VOLTAGE POWER CONSUMPTION & CURRENT DRAW

System Voltage	AC Current Draw (mA)	DC Current Draw (mA)	Power Consumption (W)
24V	21	20	AC: <1 DC: <1/2
48V	17	7	
120V	3.5	—	
125V	—	3	
240V	2.5	—	
250V	—	2	
277V	2.5	—	
Protection Features Fused to Fail Open	Yes		

DIELECTRIC STRENGTH (TERMINAL TO GROUND) 2200V for 1 Minute

ENVIRONMENTAL RATINGS

Operators	Rated and Certified for use in Type 1, 2, 3, 3R, 4/4X, 12, 13 and IP65
Operating Temperature	-40° F to +131° F (-40° C to +55° C)
Storage Temperature	-40° F to +185° F (-40° C to +85° C)

TERMINAL & WIRING CONSIDERATION

AWG Conductor	22 -12 CU (Copper only)
Solid Strand Conductor †	.5 ~ 4mm²
Fine Strand Conductor †	.5 ~ 4mm²
Recommended Torque	7 – 10 lb-in (0.8 – 1.0 Nm)

† One or two wires permitted per termination.

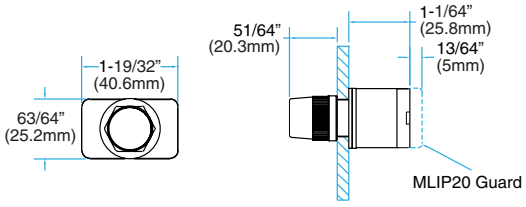
ROHS COMPLIANCE

For RoHS compliance documentation by product, refer to www.c3controls.com.

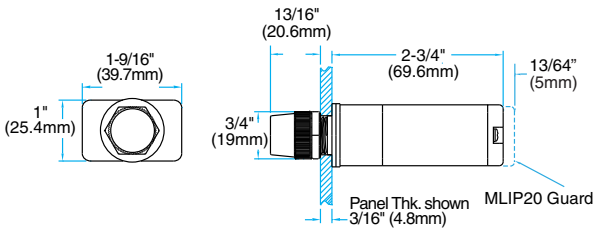
For complete ratings and detailed specifications refer to www.c3controls.com.

DIMENSIONS

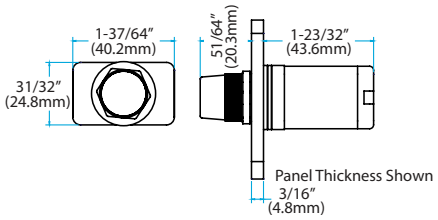
Full Voltage/Resistor Indicating Pilot Light (Short Case)



Resistor 140V & 240V Indicating Pilot Light (Long Case)



Multi-Voltage Pilot Light and Resistor 120V & 125V Indicating Light



CERTIFICATIONS

Conformity to Standards:

Indicating Lights

UL 508
CSA C22.2 No. 14
IEC 60947-1, 60947-5-1

Certifications:

UL File #: E68568 (Guide NKCR, NKCR7)
CSA File #: 47446-9
CE Marked (per EU Low Voltage Directive 2006/95/EC and RoHS Directive 2011/65/EU)

Multi-Voltage Pilot Lights

UL 508
IEC 60947-1, 60947-5-1

UL File #: E68568 (Guide NKCR, NKCR7)
CE Marked (per EU Low Voltage Directive 2006/95/EC and RoHS Directive 2011/65/EU)

Visit www.c3controls.com to download product certifications.



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