Technical Information-Indicators

The majority of Arcolectric indicator lights can be supplied with alternative light sources: Neon, Fluorescent, Filament lamp or LED.

NEON and FLUORESCENT LAMPS
Colours
Red, Amber, Clear neon, and Green fluorescent.

Maximum striking voltages
Standard brightness types 65Vac 90Vdc,
High brightness types 85Vac 135Vdc.
High brightness types are usually fitted.

Life
Typically 25,000 hours (Green fluorescent lamps 20,000 hours). (Measured to a point when light output is half that of its original level.)
The end of life for a neon lamp is not usually a sudden failure.

False signals due to long wiring
It is possible for a neon or fluorescent indicator to glow when it should be off. These false signals are caused by the capacitance effect when fairly long wiring leading to the indicator is adjacent to other live cables.
This effect can be prevented in most cases by fitting a 100K resistor across the supply wires to the indicator assembly.

FILAMENT LAMPS
Colours
Red, Amber, Green, Clear and Blue

LEDS
Colours
Red, Yellow, and Green.

Voltage
Basic voltage 2.0/2.2V. Some items are available with integral resistors for 12V use. For details of resistors required for higher voltages please contact our Sales department.

Current
Maximum continuous forward current 35mA.

Life
>100,000hrs

Polarity
LED flat side is - negative, round side + positive.

TEMPERATURE RATING

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SYMBOLS

Terminals
C 6.4, H 4.8, K 2.8

Wire leads
20mm long Standard

Solid wires
LED only

Panel hole size

Panel thickness

Temperature rating
Neon Indicators (LED and Filament Lamp options also available)

Colours and voltages:

**Neon**
Red, Amber, Green, Clear.
100/130V (marked 110V), 200/250V (marked 230V).

**LED**
Red, Yellow, Green.
2.0/2.2V. Resistors for other voltages available.

**Filament lamp**
Red, Amber, Green, Clear and Blue.
6V, 12/14V, 24/28V.

To create a catalogue number:
Refer to the 2 columns below (terminal and type).

Then state:
Lens colour, voltage and whether neon, LED or filament lamp.

UL file E63363

CSA file LR29381

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**DIMENSIONS**

Ø 5.8mm
3.0mm max.
T85°C
* T125°C.

Ø 6.3mm
6.3mm max.
T85°C

Ø 6.3mm
10.0mm max.
T85°C

Ø 7.1mm
6.3mm max.
T85°C

Ø 8.0mm
0.8-1.6mm max.
T85°C

Ø 8.0mm
0.8-3.0mm max.
T85°C

Chrome bezel available

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L 1041 00

W 1045 00

L 0245 00

L 2950 00

L 0195 BB
Neon Indicators  (LED and Filament Lamp options also available)

Colours and voltages:
- Neon: Red, Amber, Green, Clear.
  100/130V (marked 110V), 200/250V (marked 230V).
- LED: Red, Yellow, Green.
  2.0/2.2V. Resistors for other voltages available.
- Filament lamp: Red, Amber, Green, Clear and Blue.
  6V, 12/14V, 24/28V.

To create a catalogue number:
Refer to the 2 columns below (terminal and type).
Then state:
Lens colour, voltage and whether neon, LED or filament lamp.

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**DIMENSIONS**

**TERM**  |  **TYPE**  |  **DIMENSIONS**  
--- | --- | ---
L 2.8 | C 6.3 | Ø12.7mm  
K 2.8 | L 0081 OO | L Ø15.9  
H 4.8 |  |  
C 6.3 |  |  
L 2.8 | C 0067 OO | Ø12.7mm  
K 2.8 |  |  
H 4.8 |  |  
C 6.3 |  |  
C 6.3 | C 0067 OO BA7s | Ø12.7mm  
C 6.3 |  |  

Lampholder: Up to 50 volt only

T 0062 AO  |  T 0062 MO  |  Ø12.7mm  
T 0062 AO  |  T 0062 MO  |  9.6mm max.  
T Ø15.9  |  |  

Chrome bezel
Chrome bezel
Chrome bezel
Chrome or matt black bezel. Snap-in panel mounting. Base assembly removable for bulb replacement.

T0062AO & T0063AO have a chrome bezel. T0062MO & T0063MO are less chrome bezel. T0062 - - for Midget flange. T0063 - - for LES.
Special Neon and LED Indicators

Colours and properties:

**Neon**
- Red, Amber, Green.
- 120/230Vac 0.5W (Red base), 28Vac or dc 1W (Green base).

**LED**
- Red, Amber, Green.

These signal lamps are manufactured to a high specification.
The neon versions feature integral current limiting and ghost lighting resistors.
The LED options have an integral rectifier diode and a resistor for direct connection to 28Vac or dc.

All versions have recessed screw terminals and achieve IP52.
A panel sealing washer is available for IP54.

**To Order:**
Select the version most suitable for your application from the 4 types shown below then contact the factory for availability to your special requirements.

**DIMENSIONS**

**Recessed Screw 3130**
- Ø 13.2mm
- 8.0mm max.
- T120°C neon T50°C LED

**Recessed Screw 3160**
- Ø 16.2mm
- 5.0mm max.
- T120°C neon T50°C LED

**Recessed Screw 3161**
- Ø 16.2mm
- 5.0mm max.

No bezel

Black bezel

Satin chrome look bezel