

# Technical Information-Indicators

The majority of Arcoelectric 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

Authority	Terminals	Wire leads	
		PVC	SILICONE
All European	T125°C	T105°C	T125°C
UL	T65/75°C	T65/75°C	

## SYMBOLS

 Terminals  
C 6.3, H 4.8, K 2.8

 Wire leads  
200mm 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



## DIMENSIONS

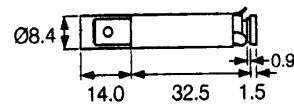
**C** 6.3 (C) 0145 AA



$\varnothing$  5.8mm

3.0mm max.

T85°C  
\*T125°C



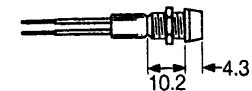
**L** (L) 1041 OO



$\varnothing$  6.3mm

6.3mm max.

T85°C



**L** (L) 1045 OO

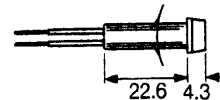


$\varnothing$  6.3mm

10.0mm max.

T85°C

Chrome bezel available



**L** (L) 0245 OO

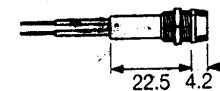


$\varnothing$  7.1mm

6.3mm max.

T85°C

Chrome bezel available



**L** L 2950 OO

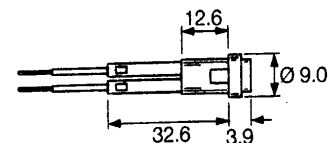


$\varnothing$  8.0mm

0.8-1.6mm max.

T85°C

Chrome bezel available



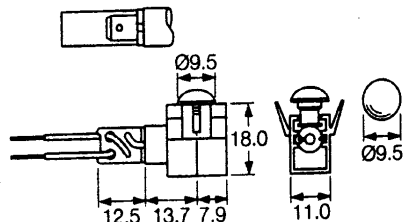
**L** (L) 0195 BB



$\varnothing$  8.0mm





0.8-3.0mm max.

T85°C

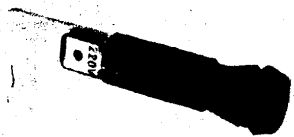









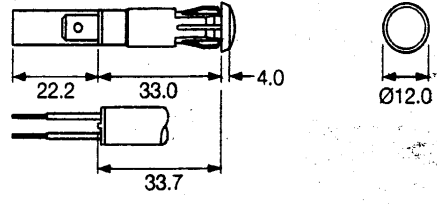
- L 
- K  2.8
- H  4.8
- C  6.3

(C) 0276 00



-  10.0mm
-  2.8mm max.
-  T85°C  
\*T125°C

### DIMENSIONS



Chrome bezel

# Neon Indicators (LED and Filament Lamp options also available)

## Colours and voltages:

<b>Neon</b>	Red, Amber Green, Clear. 100/130V (marked 110V), 200/250V (marked 230V).
<b>LED</b>	Red, Yellow, Green. 2.0/2.2V. Resistors for other voltages available.
<b>Filament lamp</b>	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

### ▶ TERM

### ▶ TYPE

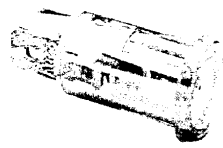
### DIMENSIONS

L

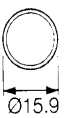
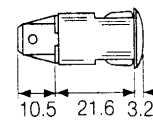
(C) 0589 OO

∅ 12.7mm

K



0.8-1.5mm max.



H

C



T85°C  
\*T125°C

L

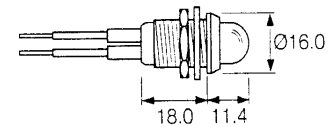
L 0081 OO

∅ 12.7mm



9.5mm max.

Chrome bezel

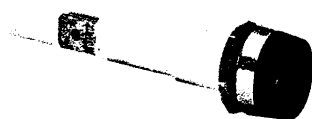


L

(C) 0177 OO

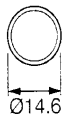
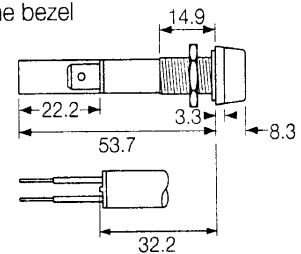
∅ 12.7mm

K



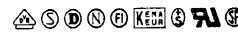
12.0mm max.

Chrome bezel



H

C



T85°C  
\*T125°C

L

(C) 0067 OO

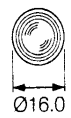
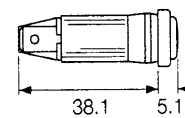
∅ 12.7mm

K



1.14mm max.

Chrome bezel



H

C

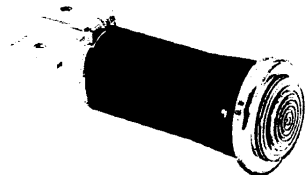


T85°C

C

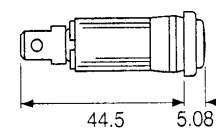
C 0067 OO BA7s

∅ 12.7mm



1.14mm max.

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



T85°C

Lampholder Up to 50 volt only

T

T 0062 AO

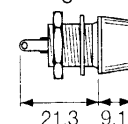
T 0062 MO

∅ 12.7mm



9.6mm max.

T0062AO & T0063AO have a chrome bezel. T0062MO & T0063MO are less chrome bezel. T0062 - - for Midget flange. T0063 - - for LES.



T85°C



**DIMENSIONS**

L 111 (C) 0579 00

**NEW**

# Special Neon and LED Indicators

**Colours and properties:**

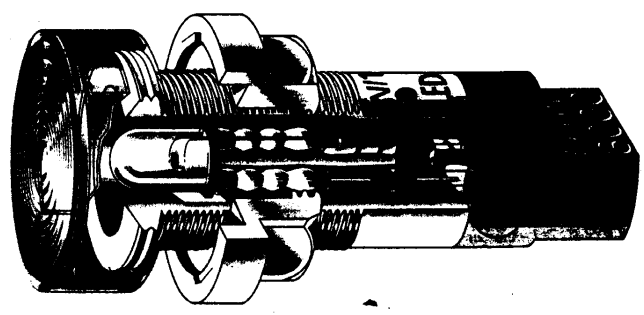
- Neon** Red, Amber, Green.  
120/230Vac 0.5W (Red base),
- LED** Red, Amber, Green.  
28Vac or dc 1W (Green base).

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.

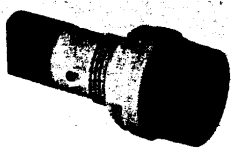
All versions have recessed screw terminals and achieve IP52. A panel sealing washer is available for IP54.

**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.



**Recessed Screw 3130**



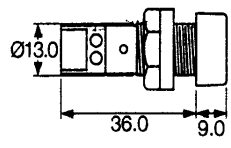
Ø 13.2mm

8.0mm max.

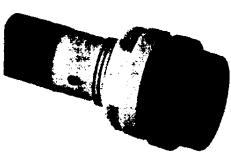
T120°C neon  
T50°C LED

**DIMENSIONS**

No bezel



**Recessed Screw 3160**

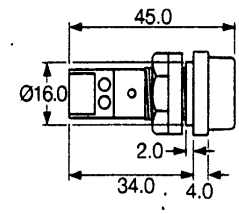


Ø 16.2mm

5.0mm max.

T120°C neon  
T50°C LED

Black bezel



**Recessed Screw 3161**



Ø 16.2mm

5.0mm max.

Satin chrome look bezel

