

140-005 140-003 Technical Information-Indicators

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

When ordering simply state the light source preferred for your application.

NEONS

COLOURS

Red, Amber, Clear and Green (fluorescents only)

MAXIMUM STRIKING VOLTAGES

Standard brightness types 65Vac 90Vdc,

High brightness types 95Vac 135Vdc.

High brightness types are usually fitted.

LIFE

Greater than 25,000 hours. The end of life of a neon lamp is not usually a sudden failure.

Replacement is necessary when the light output has reduced to a level below the requirement of the application.

On request we can supply low brightness neons with high resistor values for special long life applications.

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.

ORDERING EXAMPLE

Cat. No.	Colour	Voltage
C 0589 00	Amber	230V

This means an indicator which snaps into a 12.7mm hole, is fitted with 6.3mm terminals, has an amber lens and is suitable for use on 200-250Vac.

FILAMENT LAMPS

COLOURS

Red, Amber, Clear, Green and Blue

LIFE

Average 10,000 hours.

The end of life of a filament lamp is sudden and unpredictable. Assemblies with wired-lamps require extraction from panels and complete replacement in the event of a lamp failure.

Lampholders designed to accept replaceable capped lamps are listed on pages E8 and E9.

ORDERING EXAMPLE

Cat. No.	Colour	Voltage
C 0589 00	Amber	12V

This means an indicator which snaps into a 12.7mm hole, is fitted with 6.3mm terminals, has an amber lens and is suitable for use on 12-14V.

LEDs

COLOURS

Red, Yellow, and Green

VOLTAGE

Basic voltage 2.0/2.2V. Details of resistor required for higher voltages can be supplied by Arcoelectric Technical Department.

CURRENT

Maximum continuous forward current 35mA.

LIFE

Extremely long - not known to fail under test.

ORDERING EXAMPLE

Cat. No.	Colour	Voltage	Type
C 0589 00	Amber	2.0V	LED

This means an indicator which snaps into a 12.7mm hole, is fitted with 6.3mm terminals, has an amber lens and is suitable for use on 2.0-2.2Vdc. The light source is an LED.

EXPLANATION OF SYMBOLS

 Tab. terminal
C 6.3, H 4.8, K 2.8

 Wire leads
200mm long Standard

 Solid wires
LED only

 Panel hole diameter

 Panel hole size

 Panel thickness

 Temperature rating

Tab. terminals	Wire leads	
	PVC	SILICONE
T125°C	T85°C	T125°C

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, Blue. 6V, 12/14V, 24/28V.



UL file no. E63363

TERM TYPE



L 0233 OO



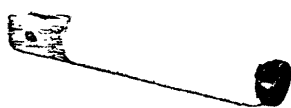
6.3mm

6.3mm max.

T85°C



(C) 0145 OO



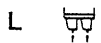
5.8mm

3.0mm max.

T85°C
*T125°C

C 6.3

RL



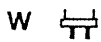
(L) 1041 OO



6.3mm

6.3mm max.

T85°C



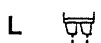
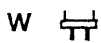
(L) 1045 OO



6.3mm

10.0mm max.

T85°C



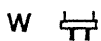
(L) 0245 OO



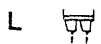
7.1mm

6.3mm max.

T85°C



RL



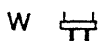
(L) 2950 OO



8.0mm

0.8-1.6mm max.

T85°C



RL

To create a catalogue number:

Refer to the 2 columns below (terminal and type).

Examples of 7 digit catalogue numbers are given above each illustration.

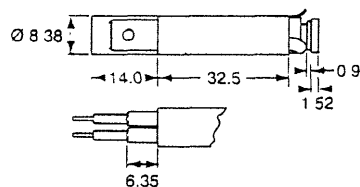
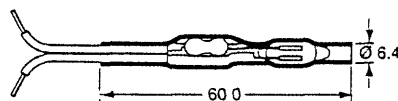
Then describe in words:

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

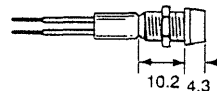
Refer to page 36 for technical details.

DIMENSIONS

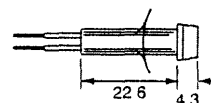
Neon tube, resistor and flexible lead assembly, protected by "shrunk on" transparent sleeving.



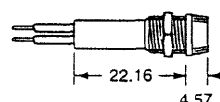
Chrome bezel available



Chrome bezel available



Chrome bezel available



Chrome bezel available

