Technical & Order 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

Colors

Available with Red, Amber, Green or Clear lenses.

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 the light output of the lamp is half 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 neon or fluorescent tubes to glow when they should be off. The false signal is caused by the capacitance effect of fairly long wiring to the indicator being adjacent to other live cables. This effect can be prevented in most cases by fitting a 100k resistor across the supply wires close to the indicator assembly.

MATERIALS

Moulded bodies and bases Nylon 6.6

Metal bodies and bezels Chrome plated brass (except #)

Lenses Polycarbonate

Terminals (most types) Brass (electro-tin plated)

Terminals (exceptions)

Brass (flash silver* or nickel** plated)

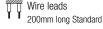
Threaded metal nuts Brass (nickel plated on 0275/7)
Other fixings Call factory for details

* R9, 0061, 0062, 0430, 0480, 1090, 1091, 6030, 7030, 8630, 8580

 ** # 3130, 3160, 3161, 3221 have nickel plated terminals with steel screws and plated polyamide bezel trims

SYMBOLS











FILAMENT LAMPS

Red, Yellow, Green, Blue and White.

Red, Yellow, Green, Blue and White.

TEMPERATURE RATING

Authority

European

UL

Maximum continuous forward current 20mA.

Rated up to 230V ac, suitable for use at 110V and 230V ac.

with Terminals

T125°C

T65/75°C

Available with Red. Amber, Green, Clear or Blue lenses,

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 call the factory.

Colors

Life

Colors

Voltage

Current

<3mA

Life >100,000hrs

>100,000hrs **LEDs - AC**

LEDs - DC Colors

₩ A

Panel thickness

PVC

T105°C

with Wire leads

T65/75°C

Temperature rating

SILICONE

T125°C

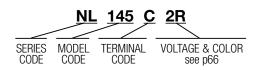
NL 589 WL 2G

ORDER FORMAT

SERIES MODEL TERMINAL LAMP/VOLTAGE/COLOR CODES CODES CODES CODES

SERIES CODES	MODEL CODES	TERMINAL CODES	CODES for FL & LH	LAMP TYPE VOLTAGE & COLOR CODES for LE		CODES for NL
FL Incandescent Lamps LE LEDs NL Neon Lamps	67 81 145 177 180 AA/BB 195 OO/BB 196 233 234 245 275 /C 277 278 568 A/B 569 579 581 582 586 589 1041 1045 2950 2951 2760 2820 2821 2870 3160 3161 3221	WL Wire Leads C 6.3 Tab H 4.8 Tab T Solder	Incandescent Lamps AC or DC 7A is 12V Amber 7B is 12V Blue 7C is 12V Clear 7G is 12V Green 7R is 12V Red 8A is 24V Amber 8B is 24V Blue 8C is 24V Clear 8G is 24V Green 8R is 24V Red	LEDs DC 3900 is 1.7V Red 3901 is 2.2V Amber 3902 is 2.1V Green 39006 is 6V Red 39016 is 6V Amber 39026 is 6V Green 39007 is 12V Red 39017 is 12V Amber 39027 is 12V Green 39008 is 24V Red 39018 is 24V Amber 39028 is 24V Green	LEDs AC 5A is 125-250V Amber 5B is 125-250V Blue 5C is 125-250V Clear 5G is 125-250V Green 5R is 125-250V Red	Neon Lamps AC or DC 2A is 105-130V Amber 2C is 105-130V Clear 2G is 105-130V Green 2R is 105-130V Red 3A is 250V Amber 3C is 250V Clear 3G is 250V Green 3R is 250V Red
LH Lamp Holders 6, 12, 24V only	61 62 63 67 382 392 692			For LH, if lamp not required, state "COLOR" only		

ORDER FORMAT example



Indicator Lights (Neon, LED and Filament Lamp)

- Neon, LED, mains LED or filament lamp
- Bezel sizes from 6.7 to 16.3mm
- Red, amber, green and clear lenses
- Red, yellow, green, blue and white LEDs
- Wide choice of styles









UL file E63363 CSA file 1279633 / LR29381 [®]



KEMA Approvals shown for neon versions only



RoHS compliant

