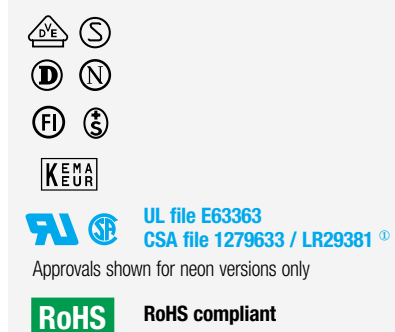


Indicator Lights *(Neon, LED and Filament Lamp)*

Colours and voltages:

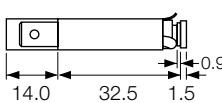
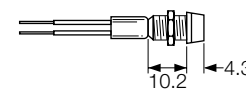
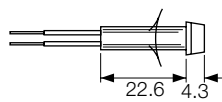
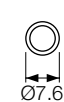
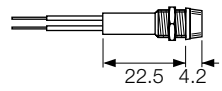
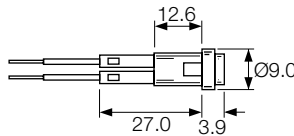
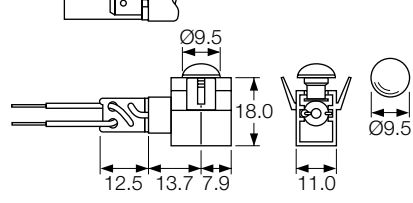
-  **Neon** Available with Red, Amber, Green or Clear lenses
100/130V (marked 110V), 200/250V (marked 230V)
-  **LED - DC** Red, Yellow, Green, Blue, White
2.0/2.2V Resistors for other voltages available.
-  **LED - AC** Red, Yellow, Green, Blue, White
110-230V ac operation.
-  **Filament lamp** Available with Red, Amber, Green, Clear or Blue lenses
6V, 12/14V, 24/28V.

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



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

TERM	TYPE	PANEL & °C	ILLUMINATION OPTIONS	DIMENSIONS (mm)
C 6.3 	(C) 0145 AA 	 5.8  3.0max  page 66	   	 
L  W 	(L) 1041 00 Chrome bezel 	 6.3  6.3max  page 66	  	 
L  W 	(L) 1045 00 Chrome bezel available 	 6.3  10.0max  page 66	   	 
L  W 	(L) 0245 00 Chrome bezel available 	 7.1  6.3max  page 66	   	 
L 	L 2950 00 Chrome bezel available 	 8.0  0.8-1.6  page 66	   	 
L  C 6.3 	(L) 0195 BB 	 8.0  0.8-3.0  page 66	 	

Indicator Lights *(Neon, LED and Filament Lamp)*

Colours and voltages:

-  **Neon** Available with Red, Amber, Green or Clear lenses
100/130V (marked 110V), 200/250V (marked 230V)
-  **LED - DC** Red, Yellow, Green, Blue, White
2.0/2.2V Resistors for other voltages available.
-  **LED - AC** Red, Yellow, Green, Blue, White
110-230V ac operation.
-  **Filament lamp** Available with Red, Amber, Green, Clear or Blue lenses
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

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

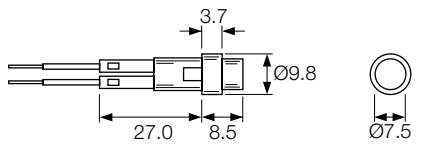
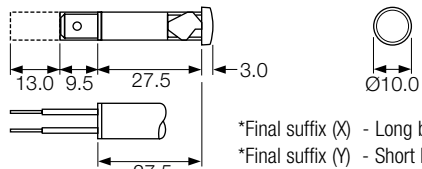
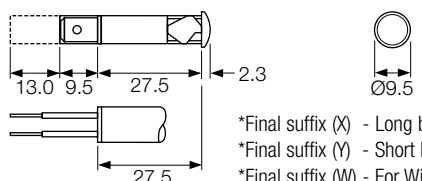
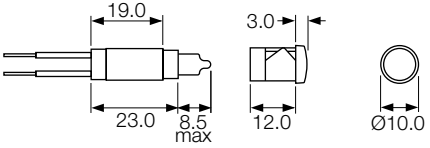
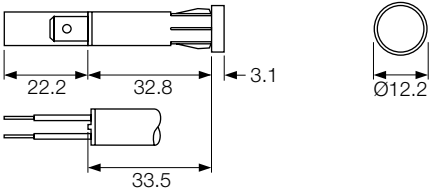
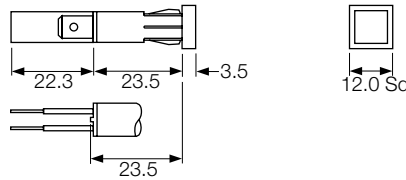


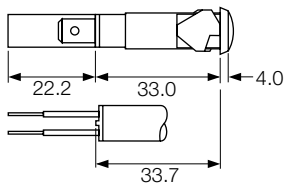
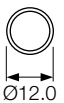
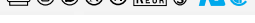
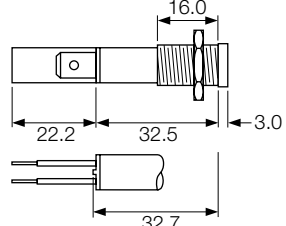
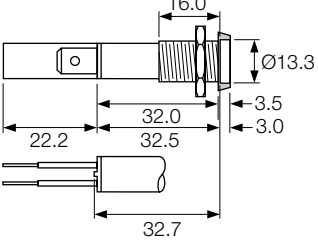
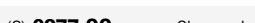
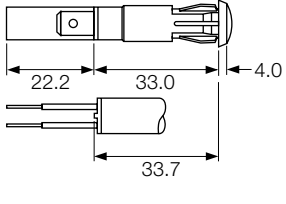
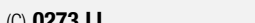
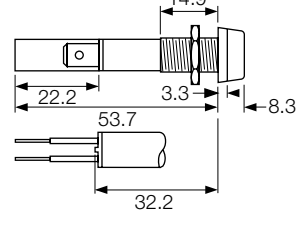
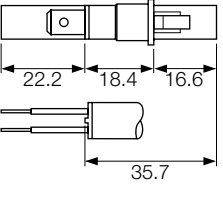
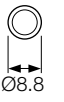
UL file E63363
CSA file 1279633 / LR29381[®]

Approvals shown for neon versions only



RoHS compliant

TERM	TYPE	PANEL & °C	ILLUMINATION OPTIONS	DIMENSIONS (mm)
L 	L 2951 00 Chrome bezel available  S D N P KEMA S 	 8.0  0.8-1.6  page 66	   	 Ø9.8 Ø7.5
L  K 2.8  H 4.8 	(H) 0568 A(*) Deep lens profile    (VDE at T100)	 8.0  0.8-3.5  page 66	  	 Ø10.0 *Final suffix (X) - Long barrier *Final suffix (Y) - Short barrier *Final suffix (W) - For Wires
L  K 2.8  H 4.8 	(H) 0568 B(*) Shallow lens profile    (VDE at T100)	 8.0  0.8-3.5  page 66	  	 Ø9.5 *Final suffix (X) - Long barrier *Final suffix (Y) - Short barrier *Final suffix (W) - For Wires
L 	(L) 0569 AW   	 9.0  0.8-2.5  Call factory	   	 Ø10.0
L  K 2.8  H 4.8  C 6.3 	(C) 0273 00  S D N P KEMA S 	 9.0  2.0 max  page 66	   	 Ø12.2
L  K 2.8  H 4.8  C 6.3 	(C) 0278 00  S D N P S 	 9.0  2.0 max  page 66	   	 12.0 Sq.

TERM	TYPE	PANEL & °C	ILLUMINATION OPTIONS	DIMENSIONS (mm)
L  K 2.8  H 4.8  C 6.3 	(C) 0276 AA  	 9.5  0.8-2.8  page 66	   	  Ø12.0
L  K 2.8  H 4.8  C 6.3 	(C) 0275 00  	 10.0  12.0 max  page 66	   	  Ø13.3
L  K 2.8  H 4.8  C 6.3 	(C) 0275 00 Chrome bezel  	 10.0  11.5 max  page 66	   	  Ø15.6
L  K 2.8  H 4.8  C 6.3 	(C) 0276 00  	 10.0  2.8 max  page 66	   	  Ø12.0
L  K 2.8  H 4.8  C 6.3 	(C) 0277 00 Chrome bezel  	 10.0  12.0 max  page 66	   	  Ø14.6
L  K 2.8  H 4.8  C 6.3 	(C) 0273 LL  	 10.0  0.6-2.0  page 66	   	For sub-panel mounting, behind a fascia.   Ø8.8

Indicator Lights (Neon, LED and Filament Lamp)

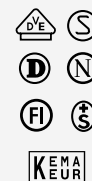
Colours and voltages:

-  **Neon** Available with Red, Amber, Green or Clear lenses
100/130V (marked 110V), 200/250V (marked 230V)
-  **LED - DC** Red, Yellow, Green, Blue, White
2.0/2.2V Resistors for other voltages available.
-  **LED - AC** Red, Yellow, Green, Blue, White
110-230V ac operation.
-  **Filament lamp** Available with Red, Amber, Green, Clear or Blue lenses
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

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

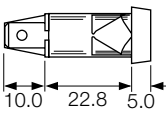
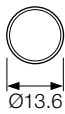
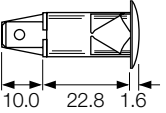
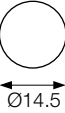
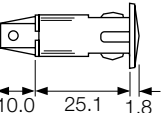
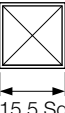
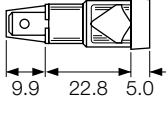
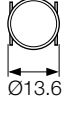
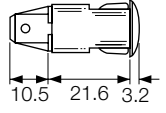
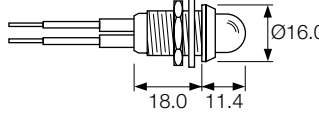
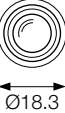


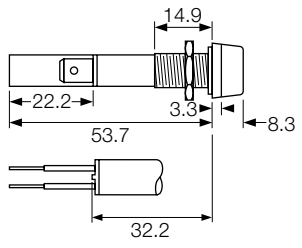
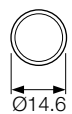
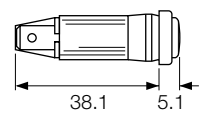
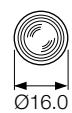
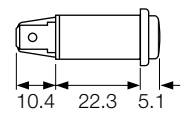
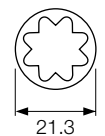
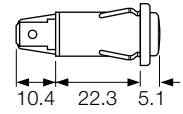
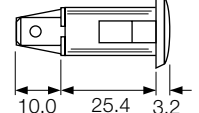
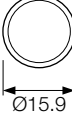
UL file E63363
CSA file 1279633 / LR29381 ①

Approvals shown for neon versions only



RoHS compliant

TERM	TYPE	PANEL & °C	ILLUMINATION OPTIONS	DIMENSIONS (mm)	
L K 2.8 H 4.8 C 6.3	(C) 2820 00 	 12.0  0.75-2.0  page 66	   	 10.0 22.8 5.0	 Ø13.6
L K 2.8 H 4.8 C 6.3	(C) 2821 00 	 12.0 or 12.7  $\begin{matrix} \phi 12.0 \\ \phi 12.7 \end{matrix} = \begin{matrix} 0.8-2.5 \\ 1.1-2.5 \end{matrix}$  page 66	   	 10.0 22.8 1.6	 Ø14.5
L K 2.8 H 4.8 C 6.3	(C) 0586 00 	 12.5  0.8-1.5  page 66	   	 10.0 25.1 1.8	 15.5 Sq
L K 2.8 H 4.8 C 6.3	(C) 2870 00 	 12.7  0.75-2.0  page 66	   	 9.9 22.8 5.0	 Ø13.6
L K 2.8 H 4.8 C 6.3	(C) 0589 00 	 12.7  0.8-1.5  page 66	   	 10.5 21.6 3.2	 Ø15.9
L	L 0081 00 Chrome bezel 	 12.7  9.5  page 66	   	 18.0 11.4 Ø16.0	 Ø18.3

TERM	TYPE	PANEL & °C	ILLUMINATION OPTIONS	DIMENSIONS (mm)
L  K 2.8  H 4.8  C 6.3 	(C) 0177 00 Chrome bezel  	 12.7  12.0max  page 66	   	  Ø14.6
L  K 2.8  H 4.8  C 6.3 	(C) 0067 00 Chrome bezel  	 12.7  1.14max  page 66	   	  Ø16.0
L  K 2.8  H 4.8  C 6.3 	(C) 0180AA  	 12.7  19.0max  page 66	  	  21.3  1.3 Starlock fixing
L  K 2.8  H 4.8  C 6.3 	(C) 0180BB Chrome bezel  	 13.5  0.9-1.14  page 66	  	  Ø16.3
L  K 2.8  H 4.8  C 6.3 	(C) 0579 00  	 14.0  2.5max  page 66	   	  Ø15.9

Indicator Lights *(Neon, LED and Filament Lamp)*

Colours and voltages:

-  **Neon** Available with Red, Amber, Green or Clear lenses
100/130V (marked 110V), 200/250V (marked 230V)
-  **LED - DC** Red, Yellow, Green, Blue, White
2.0/2.2V Resistors for other voltages available.
-  **LED - AC** Red, Yellow, Green, Blue, White
110-230V ac operation.
-  **Filament lamp** Available with Red, Amber, Green, Clear or Blue lenses
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

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

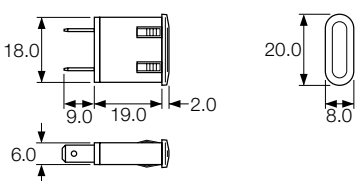
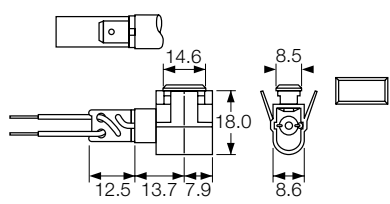
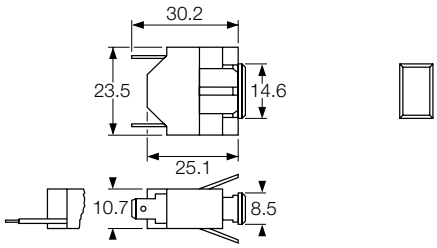
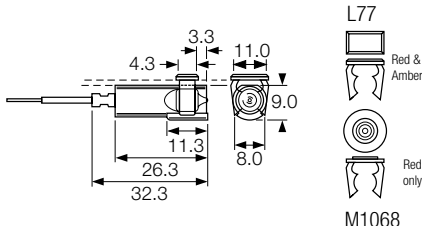
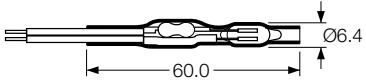
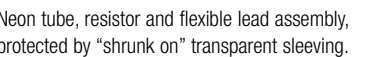


UL file E63363
CSA file 1317844 / 1279633 ®

Approvals shown for neon versions only



RoHS compliant

▶ TERM	▶ TYPE	▶ PANEL & °C	ILLUMINATION OPTIONS	DIMENSIONS (mm)
H 4.8 	H 0581 AY  	 18.2/18.3 X 6.2/6.3*  2.0-3.5  page 66	 	
L 	L 0195 00  	 13.0x6.5  0.8-3.0  page 66	 	
L  C 6.3 	(C) 0196 AA  	 13.0x6.5  0.8-3.0  page 66	 	
L 	L 0234 00  	 9.27/9.50 X 4.75*  0.71-1.62  page 66		
L 	L 0233 00 	  page 66		 

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

Indicator Lights

(To match 8500, 8600, R13, 1500, 1550, 5500, 6000, 8300 and 7000 switches)

Colours and voltages:

Neon

Available with Red, Amber, Green or Clear lenses
100/130V (marked 110V), 200/250V (marked 230V)

Filament lamp

Available with Red, Amber or Green lenses
6V, 12/14V, 24/28V

- ▶ Indicator lights
- ▶ Neon or filament lamp
- ▶ Bezel sizes from 6.7 to 16.3mm dia
- ▶ Red, amber green and clear neons
- ▶ Red, amber and green filament lamps
- ▶ Styles to match rocker and push switches



UL file E63363
CSA file LR29381

Approvals shown for neon versions only



RoHS compliant

To create a catalogue number:

Refer to the 2 columns below (terminal and type), then state: Lens colour, voltage and whether neon or filament lamp.

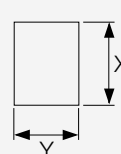
TERM	TYPE
H 4.8	H8580 AB
H 4.8	H8630 FB
T	
X	
H 4.8	R9 92B Approvals details - contact the factory
C 6.3	C0430 A(*) C6030 AL
H 4.8	
K 2.8	
T	
C 6.3	C0480 A(*)
H 4.8	
K 2.8	
T	
C 6.3	C7030 AH
H 4.8	

DIMENSIONS (mm)

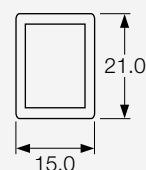
Full product details on pages 10-11

Body Code	Panel thickness	Cut-out X	Cut-out Y
B	0.75-1.25	19.1/19.2	12.9/13.0
	1.25-2.0	19.3/19.4	12.9/13.0
	2.0-3.0	19.7/19.8	12.9/13.0

Cut-out



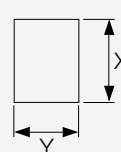
Flange



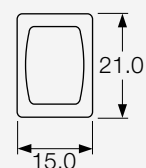
Full product details on pages 12-13

Body Code	Panel thickness	Cut-out X	Cut-out Y
B	0.75-1.25	19.1/19.2	12.9/13.0
	1.25-2.0	19.3/19.4	12.9/13.0
	2.0-3.0	19.7/19.8	12.9/13.0

Cut-out



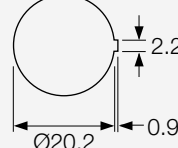
Flange



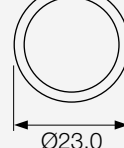
Full product details on pages 29

Snap fixing in panels thickness up to 3.0

Cut-out



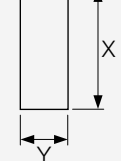
Flange



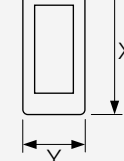
Full product details on pages 16-17 & 20-21

Body *Code	Cut-out Y	Cut-out X	Flange Y	Flange X
A	12.2/12.3	27.2/27.3	14.0	30.2
B	11.0/11.1	30.0/30.1	14.0	33.4
L	11.0/11.1	30.0/30.1	14.0	31.9
R	14.0/14.1	28.5/28.6	17.0	31.5
T	11.5/11.6	28.2/28.3	14.0	30.2

Cut-out



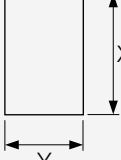
Flange



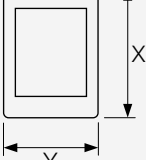
Full product details on pages 26-27

Body *Code	Cut-out Y	Cut-out X	Flange Y	Flange X
A	22.3/22.4	27.2/27.3	25.0	30.2
B	22.1/22.2	30.0/30.1	25.0	33.4
L	22.1/22.2	30.0/30.1	25.0	32.0
R	23.0/25.4	28.4/28.5	28.9	33.2
T	22.3/22.4	28.2/28.3	25.0	30.2

Cut-out



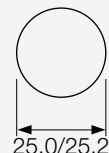
Flange



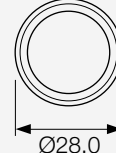
Full product details on pages 40-41

Body Code	Cut-out	Flange
H	Ø25.0/25.2	Ø28.0

Cut-out



Flange



Neon & LED Indicator Lights Sealed to IP52 and IP54

Colours and voltages:

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

Neon versions feature integral current limiting & ghost lighting resistors.
LED versions have rectifier diodes & resistors for direct connection to 28Vac/dc.

To order

Select a number from the "type" column, then state:
Lens colour, voltage and whether neon or LED. All versions have recessed screw terminals. IP52 is standard. A panel sealing washer is available for IP54.

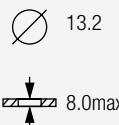
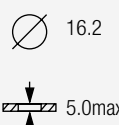
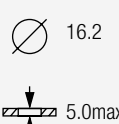
- ▶ IP52 and IP54 sealing
- ▶ Three bezel sizes: 18.0, 20.5 and 30.0 dia.
- ▶ Neon or LED indicator
- ▶ Black and satin chrome bezel or without bezel
- ▶ Recessed screw terminals



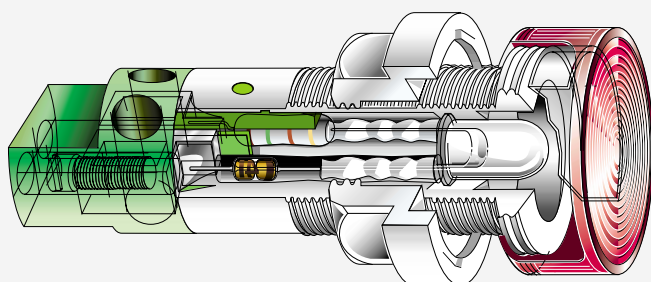
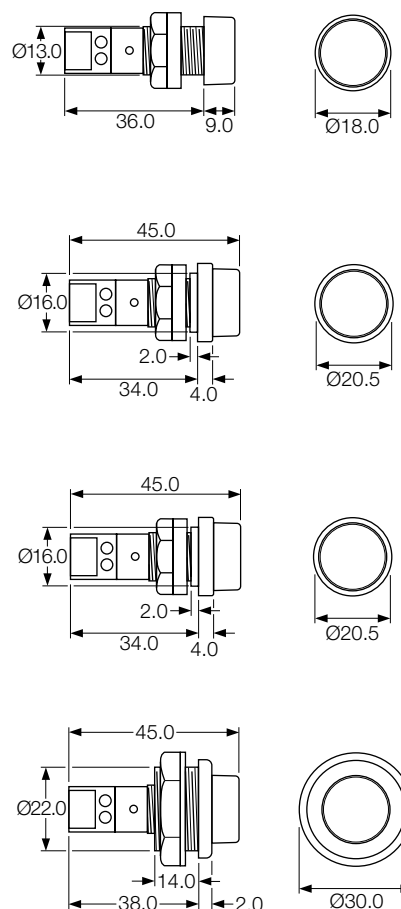
Approval shown for neon versions only



RoHS compliant

▶ TERM	▶ TYPE	▶ PANEL & °C
Recessed Screw 	3130 No bezel  	 13.2 8.0max  T120 neon T50 LED
Recessed Screw 	3160 Black bezel  	 16.2 5.0max  T120 neon T50 LED
Recessed Screw 	3161 Satin chrome style bezel  	 16.2 5.0max  T55 neon T50 LED
Recessed Screw 	3221 Large black bezel  	 22.3 4.5max  T120 neon T50 LED

DIMENSIONS (mm)



Select the version most suitable for your application from the 4 types shown.
Or call the factory for availability to your special requirements.

Low Voltage Lampholders

Colour and voltage:

These lampholders are suitable for up to 50V max.
Bulbs will be supplied (dependent on order quantity)
if a voltage is specified.

Colours - Red, Amber, Green, (Clear & Blue, check availability).

To create a catalogue number:

Refer to the 2 columns below (terminal and type), then state: Lens colour and voltage.

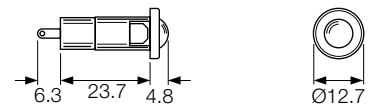
- ▶ Up to 50V
- ▶ Red, Amber, Green, Blue and Clear
- ▶ Linestra/Philinea lamp holder

RoHS

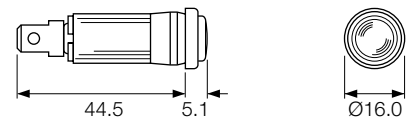
RoHS compliant

▶ TERM	▶ TYPE	▶ PANEL & °C
T 	T0061 AO (LES) 	 9.5  0.9-1.14  T85
C 6.3 	C0067 00 (BA7s) Chrome bezel 	 12.7  1.14max  T85
T 	T0062 AO (Midget flange) Chrome bezel 	 12.7  9.6max  T85
T 	T0062 MO (Midget flange) 	 12.7  9.6max  T85
S 	S0095 00 	 T85

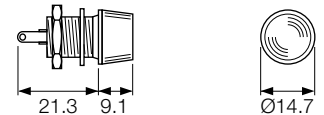
DIMENSIONS (mm)



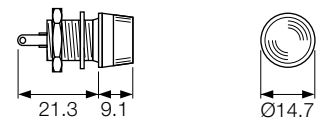
Rear of panel bulb replacement



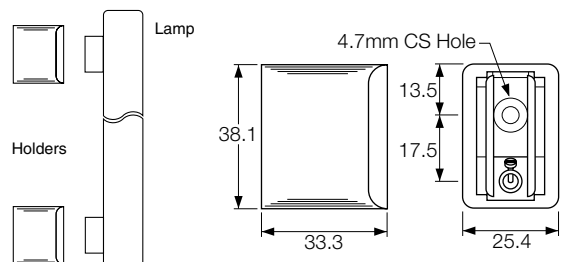
Rear of panel bulb replacement



Front of panel bulb replacement



Front of panel bulb replacement



Paired Architectural lampholders for Linestra or Philinea lamp.

LED Lamps and LED Lampholders *LED Lampholders can be supplied with or without LEDs*

Colours: Red, Yellow, Green and Blue LEDs
(High Intensity is standard. Option of extra super bright).

Voltages: LEDs are available for direct connection to 2.0/2.2V or 12Vdc
For other voltages contact the factory.

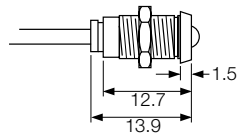
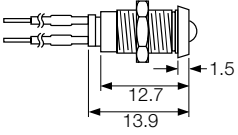
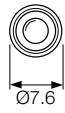
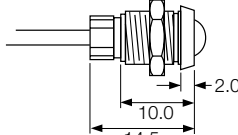
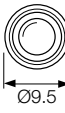
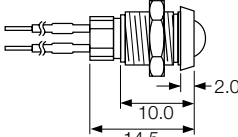
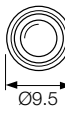
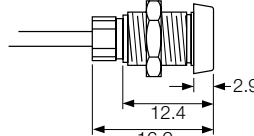
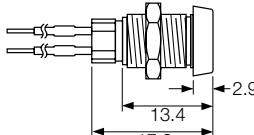
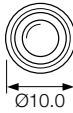
- ▶ LED lampholders
- ▶ Supplied with or without LEDs
- ▶ Black or Chrome finish

RoHS

RoHS compliant

To create a catalogue number:

Refer to the 2 columns below (terminal and type), then state: LED colour and voltage and body finish (Black or Chrome).

TERM	TYPE	PANEL & °C	DIMENSIONS (mm)	
W LED fitted 	(W) 1047 00  3mm LED	 6.3  6.3max  T85	 12.7 13.9 1.5	 Ø7.6
A LED not fitted				
L  LED & Wires fitted	L 1047 00  3mm LED	 6.3  6.3max  T85	 12.7 13.9 1.5	 Ø7.6
W LED fitted 	(W) 1048 00  5mm LED	 8.0  5.5max  T85	 10.0 14.5 2.0	 Ø9.5
A LED not fitted				
L  LED & Wires fitted	L 1048 00  5mm LED	 8.0  5.5max  T85	 10.0 14.5 2.0	 Ø9.5
W LED fitted 	(W) 1050 00  5mm LED with focusing reflector	 8.0  7.0max  T85	 12.4 16.9 2.9	 Ø10.0
A LED not fitted				
L  LED & Wires fitted	L 1050 00  5mm LED with focusing reflector	 8.0  7.0max  T85	 13.4 17.9 2.9	 Ø10.0

LED Lamps and LED Lampholders - Designed to IP66

LED Lampholders can be supplied with or without LEDs

Colours: Red, Yellow Green and Blue LEDs.
(High Intensity is standard. Option of extra super bright).

Voltages: LEDs are available for direct connection to 2.0/2.2V or 12Vdc.
For other voltages contact the factory.

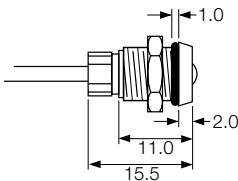
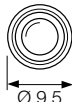
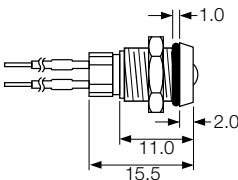
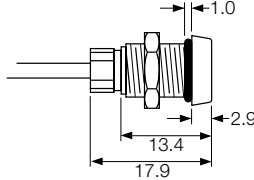
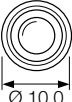
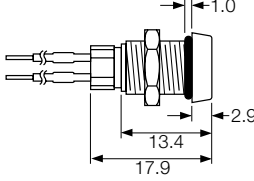
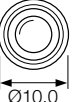
- ▶ IP66 front bezel sealing
- ▶ LED lampholders
- ▶ Supplied with or without LEDs
- ▶ Black or Chrome finish

RoHS

RoHS compliant

To create a catalogue number:

Refer to the 2 columns below (terminal and type), then state: LED colour and voltage and body finish (Black or Chrome).

TERM	TYPE	PANEL & °C	DIMENSIONS (mm)
W LED fitted 	(W) 1048 0A Designed to IP66  5mm LED	 8.0  5.5max  T85	 
A LED not fitted			
L  LED & Wires fitted	L 1048 0A Designed to IP66  5mm LED	 8.0  5.5max  T85	 
W LED fitted 	(W) 1050 0A Designed to IP66  5mm LED with focusing reflector	 8.0  7.0max  T85	 
A LED not fitted			
L  LED & Wires fitted	L 1050 0A Designed to IP66  5mm LED with focusing reflector	 8.0  7.0max  T85	 

Properties

Sealing

O-ring sealing equivalent to IP66, of both the LED to bezel, and bezel to panel is available where shown.

Polarity

The nylon base mouldings are polarity marked.

Body Material and Finish

Chromed brass or Black oxide coated brass.

Lampholders only

Items prefixed 'A' are supplied without LEDs.

LED wires or PVC covered wire leads

125mm min length wires, 6.3mm standard strip.
Alternative colours, length and strip available.

Low Voltage Lampholders *with sealing option*



- ▶ Up to 50V
- ▶ MES or MBC bulb
- ▶ Flat and domed lens
- ▶ Brass or nylon bodies
- ▶ Red, Amber, Green, Blue and Clear lenses
- ▶ Front panel seal option

RoHS

RoHS compliant by 3rd qtr 2005

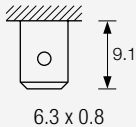
Bulbs will be supplied (dependant on order quantity) if a voltage is specified. These lampholders are suitable for up to 50V max.

Colours - Red, Amber, Green, (Clear & Blue, check availability). Brass bodies have polished chrome finish.

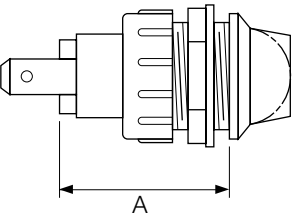
 C1090FP - - -

C 1090 F A - - -

TERMINAL LAMP CAP LENS BODY VOLTAGE, COLOUR, ETC

▶ TERMINAL	▶ LAMP CAP	▶ LENS	▶ THREADED BODY																																																				
C 	1090 E10  1091 BA9s 	F Flat  V Domed  L No lens	<table><tr><th></th><th>Panel Hole Dia.</th><th>Body Material</th><th>Dimension A</th></tr><tr><td colspan="4">for E10 types</td></tr><tr><td>A</td><td>19.0</td><td>Brass</td><td>35.0</td></tr><tr><td>D</td><td>19.0</td><td>Brass</td><td>30.2</td></tr><tr><td>E</td><td>19.0</td><td>Nylon</td><td>30.2</td></tr><tr><td>*P</td><td>19.0</td><td>Nylon (+ chrome trim)</td><td>30.2</td></tr><tr><td>G</td><td>19.0</td><td>Brass</td><td>24.6</td></tr><tr><td>H</td><td>19.0</td><td>Nylon</td><td>24.6</td></tr></table> <table><tr><th></th><th>Panel Hole Dia.</th><th>Body Material</th><th>Dimension A</th></tr><tr><td colspan="4">for BA9s types</td></tr><tr><td>B</td><td>19.0</td><td>Brass</td><td>35.0</td></tr><tr><td>C</td><td>19.0</td><td>Nylon</td><td>35.0</td></tr><tr><td>*Q</td><td>19.0</td><td>Nylon (+ chrome trim)</td><td>35.0</td></tr></table> All E10 and BA9s types are suitable for panel thickness up to 6.2mm. Some versions will accept panels up to 11.2mm thick.		Panel Hole Dia.	Body Material	Dimension A	for E10 types				A	19.0	Brass	35.0	D	19.0	Brass	30.2	E	19.0	Nylon	30.2	*P	19.0	Nylon (+ chrome trim)	30.2	G	19.0	Brass	24.6	H	19.0	Nylon	24.6		Panel Hole Dia.	Body Material	Dimension A	for BA9s types				B	19.0	Brass	35.0	C	19.0	Nylon	35.0	*Q	19.0	Nylon (+ chrome trim)	35.0
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C	19.0	Nylon	35.0																																																				
*Q	19.0	Nylon (+ chrome trim)	35.0																																																				

DIMENSIONS mm



OPTIONS

Sealing

Neoprene washers to seal between bezel and panel (W23) and lens and bezel (W24) to give a seal equivalent to IP66 are available on most versions.

F0445 M0

P.V.C. Insulating terminal cover.



*Note P and Q body codes denote a nylon body fitted with a chrome bezel trim (previously **F0413PO**).

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

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

FILAMENT LAMPS

Colours

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

LEDs - DC

Colours

Red, Yellow, Green, Blue and White.

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 call the factory.

Current

Maximum continuous forward current 20mA.

Life

>100,000hrs

LEDs - AC

Colours

Red, Yellow, Green, Blue and White.

Voltage

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

Current

<3mA

Life

>100,000hrs

TEMPERATURE RATING

Authority	with Terminals	with Wire leads	
		PVC	SILICONE
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