

Indicator Lights Neon, LED and Filament Lamp

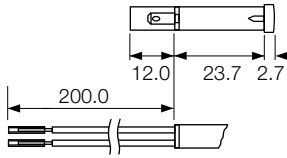
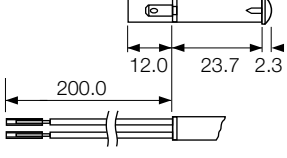
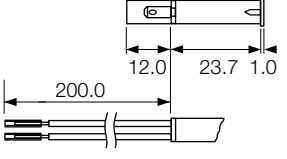
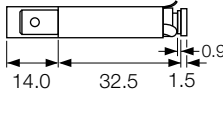
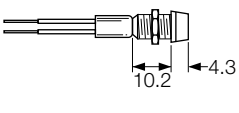
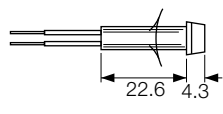
Colours and voltages:

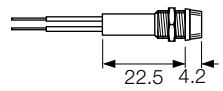
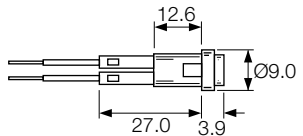
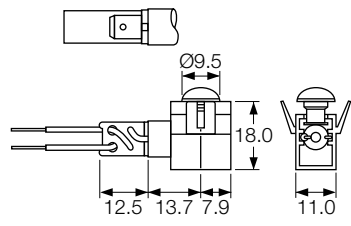
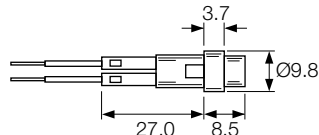
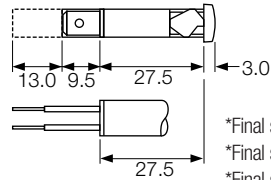
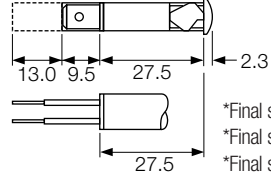
 Neon	Available with Red, Amber, Green or Clear lenses 100/130V (marked 110V), 200/250V (marked 230V)
 LED - DC	Red, Yellow, Green, Blue, White 2.0/2.2V Resistors for other voltages available.
 LED - AC	Red, Yellow, Green, Blue, White 110-230V ac operation.
 Filament lamp	Available with Red, Amber, Green,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

- ▶ Neon, LED, mains LED or filament lamp
- ▶ Bezel sizes from 6.7 to 16.3mm diameter
- ▶ Red, amber, green, blue 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	ILLUM'N OPTIONS	APPROVAL	DIMENSIONS (mm)
B 2.8 L	(B) 0566 A 	6.0 2.0max page 6	  	  	 Ø7.0
B 2.8 L	(B) 0566 B 	6.0 2.0max page 6	  	  	 Ø7.0
B 2.8 L	(B) 0566 C 	6.0 2.0max page 6	  	  	 Ø7.0
C 6.3 L	(C) 0145 AA 	5.8 3.0max page 6	  	  	 Ø6.7
L W	(L) 1041 00 Chrome bezel 	6.3 6.3max page 6	  	  	 Ø7.6
L W	(L) 1045 00 Chrome bezel available 	6.3 10.0max page 6	  	  	 Ø7.6

TERM	TYPE	PANEL & °C	ILLUM'N OPTIONS	APPROVAL	DIMENSIONS (mm)
L W	(L) 0245 00 Chrome bezel available 	 7.1  6.3max  page 6	  	   	 
L	L 2950 00 Chrome bezel available 	 8.0  0.8-1.6  page 6	  	   	 
L C 6.3	(L) 0195 BB 	 8.0  0.8-3.0  page 6	 	  	 
L	L 2951 00 Chrome bezel 	 8.0  0.8-1.6  page 6	  	   	 
L H 4.8	(H) 0568 A(*) Deep lens profile  (VDE at T100)	 8.0  0.8-3.5  page 6	  	   	  *Final suffix (X) - Long barrier *Final suffix (Y) - Short barrier *Final suffix (L) - For Wires
L H 4.8	(H) 0568 B(*) Shallow lens profile 	 8.0  0.8-3.5  page 6	  	   	  *Final suffix (X) - Long barrier *Final suffix (Y) - Short barrier *Final suffix (L) - For Wires

Indicator Lights Neon, LED and Filament Lamp

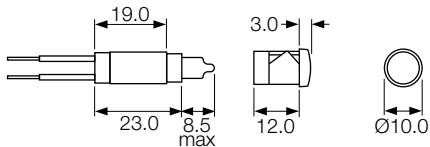
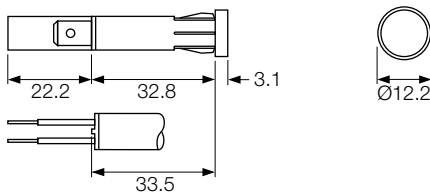
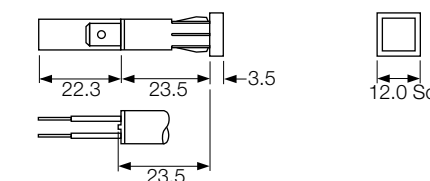
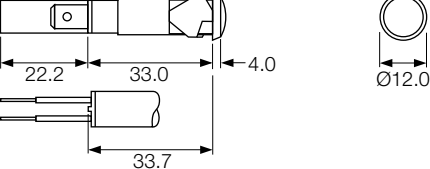
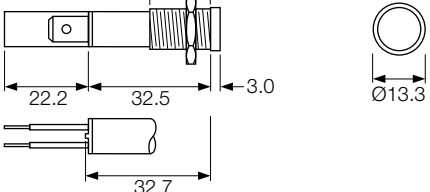
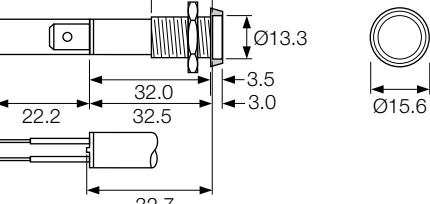
Colours and voltages:

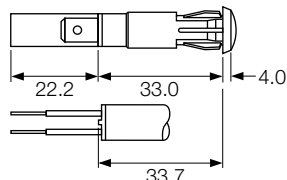
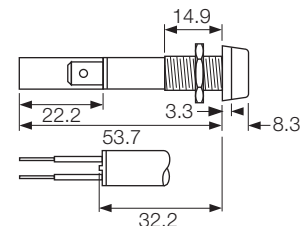
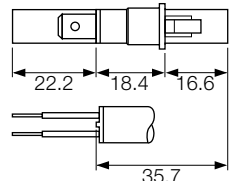
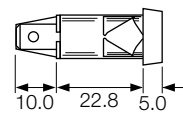
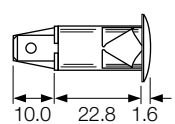
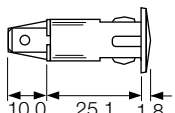
	Neon	Available with Red, Amber, Green or Clear lenses 100/130V (marked 110V), 200/250V (marked 230V)
	LED - DC	Red, Yellow, Green, Blue, White 2.0/2.2V Resistors for other voltages available.
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▶ TERM	▶ TYPE	▶ PANEL & °C	ILLUM'N OPTIONS	APPROVAL	▶ DIMENSIONS (mm)
L 	(L) 0569 AW 	 9.0  0.8-2.5  Call sales	   	 	
L 	(C) 0273 00 	 9.0  2.0 max  page 6	   	    	
K 2.8 					
H 4.8 					
C 6.3 					
L 	(C) 0278 00 	 9.0  2.0 max  page 6	   	   	
K 2.8 					
H 4.8 					
C 6.3 					
L 	(C) 0276 AA 	 9.5  0.8-2.8  page 6	   	    	
K 2.8 					
H 4.8 					
C 6.3 					
L 	(C) 0275 00 	 10.0  12.0 max  page 6	   	    	
K 2.8 					
H 4.8 					
C 6.3 					
L 	(C) 0275 00 Chrome bezel 	 10.0  11.5 max  page 6	   	    	
K 2.8 					
H 4.8 					
C 6.3 					

TERM	TYPE	PANEL & °C	ILLUM'N OPTIONS	APPROVAL	DIMENSIONS (mm)
L  K 2.8  H 4.8  C 6.3 	(C) 0276 00 	 10.0  2.8 max  page 6	  	  	  Ø12.0
L  K 2.8  H 4.8  C 6.3 	(C) 0277 00 Chrome bezel 	 10.0  12.0 max  page 6	  	  	  Ø14.6
L  K 2.8  H 4.8  C 6.3 	(C) 0273 LL 	 10.0  0.6-2.0  page 6	  	  	For sub-panel mounting, behind a facia.   Ø8.8
L  K 2.8  H 4.8  C 6.3 	(C) 2820 00 	 12.0  0.75-2.0  page 6	  	  	  Ø13.6
L  K 2.8  H 4.8  C 6.3 	(C) 2821 00 	 12.0 or 12.7  Ø12.0 = 0.8-2.5  Ø12.7 = 1.1-2.5  page 6	  	  	  Ø14.5
L  K 2.8  H 4.8  C 6.3 	(C) 0586 00 	 12.5  0.8-1.5  page 6	  	  	  15.5 Sq

Indicator Lights Neon, LED and Filament Lamp

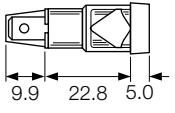
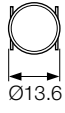
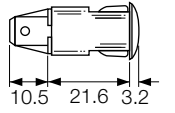
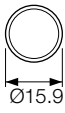
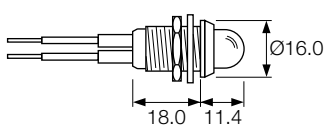
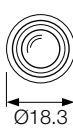
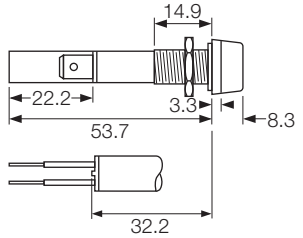
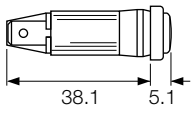
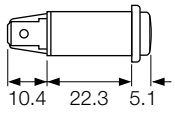
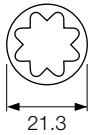
Colours and voltages:

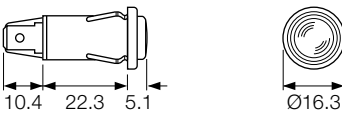
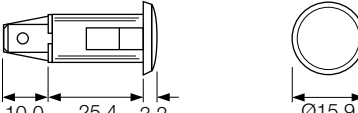
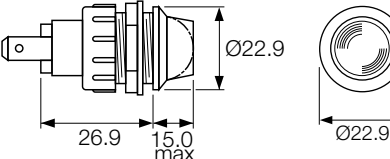
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TERM	TYPE	PANEL & °C	ILLUM'N OPTIONS	APPROVAL	DIMENSIONS (mm)
L K 2.8 H 4.8 C 6.3	(C) 2870 00 	12.7 0.75-2.0 page 6	   	     	 9.9 22.8 5.0  Ø13.6
L K 2.8 H 4.8 C 6.3	(C) 0589 00 	12.7 0.8-1.5 page 6	   	     	 10.5 21.6 3.2  Ø15.9
L	L 0081 00 Chrome bezel 	12.7 9.5 page 6	   	     	 Ø16.0 18.0 11.4  Ø18.3
L K 2.8 H 4.8 C 6.3	(C) 0177 00 Chrome bezel 	12.7 12.0max page 6	   	     	 14.9 22.2 3.3 8.3 53.7 32.2  Ø14.6
L K 2.8 H 4.8 C 6.3	(C) 0067 00 Chrome bezel 	12.7 1.14max page 6	   	     	 38.1 5.1  Ø16.0
L C 6.3	(C) 0180AA 	12.7 19.0max page 6	   	    	 10.4 22.3 5.1  21.3 1.3 Starlock fixing

▶ TERM	▶ TYPE	▶ PANEL & °C	ILLUM'N OPTIONS	APPROVAL	▶ DIMENSIONS (mm)
L  C 6.3 	(C) 0180BB Chrome bezel 	 13.5  0.9-1.14  page 6	   	   	 10.4 22.3 5.1 Ø16.3
L  K 2.8  H 4.8  C 6.3  C 6.3 	(C) 0579 00 	 14.0  2.5max  page 6	   	  	 10.0 25.4 3.2 Ø15.9
C 6.3 	(C) 1092 	 19.0  4.0max  page 6	 		 26.9 15.0 max Ø22.9

Indicator Lights Neon, LED and Filament Lamp

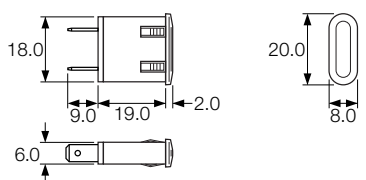
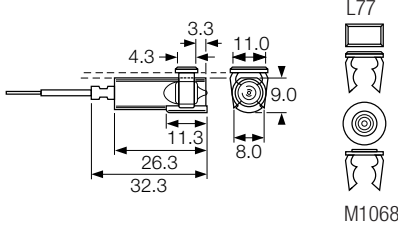
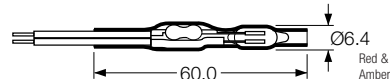
Colours and voltages:

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H 4.8 	H 0581 AY 	 18.2/18.3 x 6.2/6.3*  2.0-3.5  page 6	 		
L 	L 0234 00 	 9.27/9.50 x 4.75*  0.71-1.62  page 6			
L 	L 0233 00 	  page 6			

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

Indicator Lights

To match 8500, 8600, R13, 1500, 1550, 5500, 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

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.

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

	TERM	TYPE	ILLUM'N OPTIONS	APPROVAL
H 4.8		H8580 AB 	 	
H 4.8		H8630 FB 	 	
T			 	
X				
H 4.8		R9 92B Approvals details - contact sales	 	
C 6.3		C0430 A 	 	
H 4.8			 	
K 2.8			 	
T		C0480 A 	 	
H 4.8			 	
K 2.8			 	
T				
C 6.3		C7030 AH 	 	
H 4.8			 	

Full product details on pages 12-13					Cut-out		Flange	
Body Code	Panel thickness	Cut-out						
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					
Full product details on pages 14-15					Cut-out		Flange	
Body Code	Panel thickness	Cut-out						
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					
Full product details on pages 33					Cut-out		Flange	
Snap fixing in panels thickness up to 3.0								
Full product details on pages 22-23					Cut-out		Flange	
Body Code	Cut-out		Flange					
	Y	X	Y	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				
Full product details on pages 28-29					Cut-out		Flange	
Body Code	Cut-out		Flange					
	Y	X	Y	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				
Full product details on pages 44-45					Cut-out		Flange	
Body Code	Cut-out		Flange					
H	Ø25.0/25.2		Ø28.0					

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).

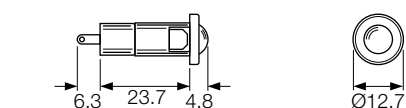
To create a catalogue number:

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and voltage.

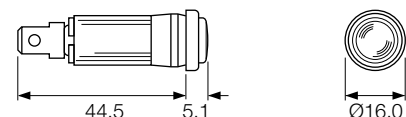
- ▶ Up to 50V
- ▶ Red, Amber, Green, Blue and Clear
- ▶ Linestra/Philinea lamp holder

▶ TERM	▶ TYPE	▶ PANEL & °C
T 	T0061 00 (LES) 	 9.5  0.9-1.14  T85
C 6.3 	C0067 00 (BA7s) Chrome bezel 	 12.7  1.14max  T85
T 	T0062 A0 (Midget flange) Chrome bezel 	 12.7  9.6max  T85
T 	T0062 M0 (Midget flange) 	 12.7  9.6max  T85
S 	S0095 00 	 T85

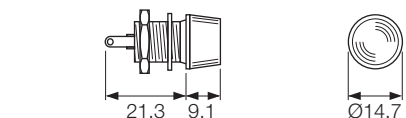
DIMENSIONS (mm)



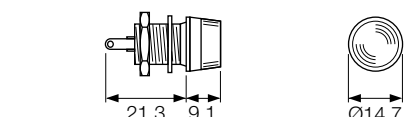
Rear of panel bulb replacement



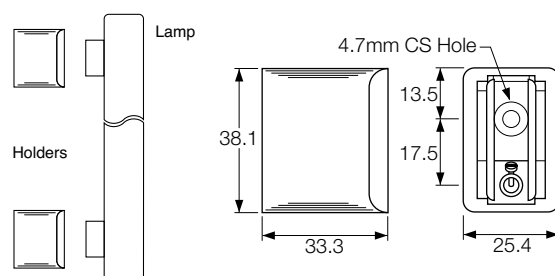
Rear of panel bulb replacement



Front of panel bulb replacement



Front of panel bulb replacement



Paired Architectural lampholders for Linestra or Philinea lamp.

Low Voltage Lampholders



C1090FP - - - P1090FL - - -

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

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.

For Neon & Mains versions see page 71

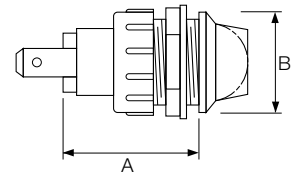
For Sealed version see page 80

C 1090 F A - - -

TERMINAL LAMP CAP LENS BODY VOLTAGE, COLOUR, ETC

▶ TERMINAL	▶ LAMP CAP	▶ LENS	▶ THREADED BODY																																			
C 6.3 x 0.8 9.1	1090 MES (E10) 	F Flat 	1090 (MES lamps)<table><tr><th></th><th>Panel Hole Dia.</th><th>Body Material</th><th>Dim. A</th><th>Dim. B</th></tr><tr><td>A</td><td>19.0</td><td>Brass</td><td>35.0</td><td>22.0</td></tr><tr><td>D</td><td>19.0</td><td>Brass</td><td>30.2</td><td>22.0</td></tr><tr><td>E</td><td>19.0</td><td>Nylon with chrome bezel</td><td>30.2</td><td>22.8</td></tr><tr><td>G</td><td>19.0</td><td>Brass</td><td>24.6</td><td>22.0</td></tr><tr><td>H</td><td>19.0</td><td>Nylon with chrome bezel</td><td>24.6</td><td>22.8</td></tr><tr><td>L</td><td>25.4</td><td>Brass</td><td>26.0</td><td>31.5</td></tr></table>		Panel Hole Dia.	Body Material	Dim. A	Dim. B	A	19.0	Brass	35.0	22.0	D	19.0	Brass	30.2	22.0	E	19.0	Nylon with chrome bezel	30.2	22.8	G	19.0	Brass	24.6	22.0	H	19.0	Nylon with chrome bezel	24.6	22.8	L	25.4	Brass	26.0	31.5
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T 9.1 4.8 Ø2.0 Solder	1091 MBC (BA9s) (C and S Terminals only) 	V Domed 	1091 (MBC lamps)<table><tr><th></th><th>Panel Hole Dia.</th><th>Body Material</th><th>Dim. A</th><th>Dim. B</th></tr><tr><td>B</td><td>19.0</td><td>Brass</td><td>36.0</td><td>22.0</td></tr><tr><td>C</td><td>19.0</td><td>Nylon</td><td>36.6</td><td>22.0</td></tr><tr><td>Q</td><td>19.0</td><td>Nylon (+ chrome trim)</td><td>36.6</td><td>22.8</td></tr><tr><td>M</td><td>25.4</td><td>Brass</td><td>38.1</td><td>31.5</td></tr></table>		Panel Hole Dia.	Body Material	Dim. A	Dim. B	B	19.0	Brass	36.0	22.0	C	19.0	Nylon	36.6	22.0	Q	19.0	Nylon (+ chrome trim)	36.6	22.8	M	25.4	Brass	38.1	31.5										
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S 9.1 Screw and Clamp		L No lens	Panel thickness 5.0, except A type body 10.0																																			

DIMENSIONS mm



OPTIONS

F0445 M0

P.V.C. Insulating terminal cover.



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 sales.

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

Approvals and specifications



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 A LED not fitted 	(W) 1047 00 3mm LED	6.3 6.3max T85		
L LED & Wires fitted 				
W LED fitted A LED not fitted 	(L) 1048 00 5mm LED	8.0 5.5max T85		
L LED & Wires fitted 				
W LED fitted A LED not fitted 	(W) 1050 00 5mm LED with focusing reflector	8.0 7.0max T85		
L LED & Wires fitted 				
W LED fitted 	(L) 1035 0A 	4.5 0.9-1.6 T85		
L LED & Wires fitted 				
W LED fitted 	(L) 1036 0A 	6.0 0.9-1.6 T85		
L LED & Wires fitted 				
W LED fitted 	(L) 1037 0A 	6.35 0.9-1.6 T85		
L LED & Wires fitted 				

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 diameter
- ▶ Neon or LED indicator
- ▶ Black and satin chrome bezel or without bezel
- ▶ Recessed screw terminals

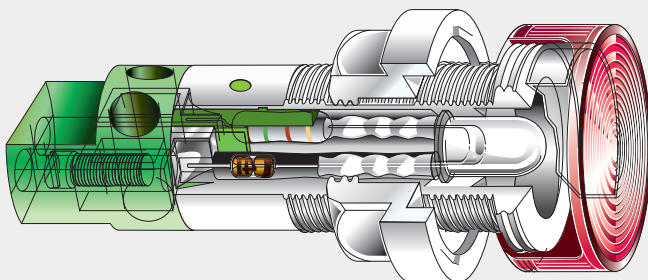
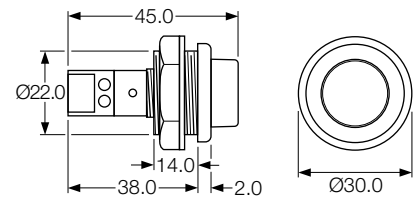
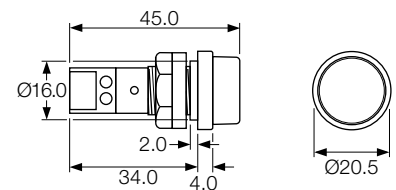
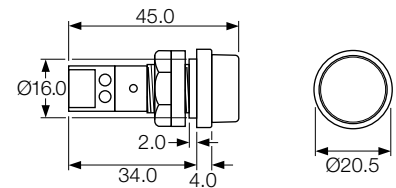
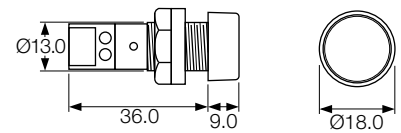
Approvals and specifications



Approval shown for neon versions only

TERM	TYPE	PANEL & °C
Recessed Screw 	3130 No bezel 	 T120 neon T50 LED
Recessed Screw 	3160 Black bezel 	 T120 neon T50 LED
Recessed Screw 	3161 Satin chrome style bezel 	 T55 neon T50 LED
Recessed Screw 	3221 Large black bezel 	 T120 neon T50 LED

DIMENSIONS (mm)



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

Indicator Lights - Sealed to IP67

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

- ▶ IP67 Panel Sealing
- ▶ Supplied complete with gaskets/'O' rings
- ▶ Neon, LED, mains LED or filament lamp
- ▶ Bezel sizes from 7.6 to 22.9mm diameter
- ▶ Red, amber, green, blue and clear lenses
- ▶ Red, yellow, green, blue and white LEDs
- ▶ Wide choice of styles

TERM	TYPE	PANEL	ILLUM'N OPTIONS	APPROVAL	DIMENSIONS (mm)	
L	(L) 1041 OS Chrome bezel 	 6.3 5.3 max	 DC AC 	 	 9.9 4.5	 Ø9.5
L	(L) 0245 OS Chrome bezel 	 7.1 4.6 max	 DC AC 	 	 22.2 4.5	 Ø9.5
L C 6.3 K 2.8 H 4.8	(C) 0275 OS Chrome bezel 	 10.0 11.5 max	 DC AC 	 	 15.5 22.2 32.0 3.5 32.2	 Ø15.6
L C 6.3 K 2.8 H 4.8	(C) 0277 OS Chrome bezel 	 10.0 11.5 max	 DC AC 	 	 14.9 22.2 53.7 3.3 8.3 32.2	 Ø14.6
L C 6.3 K 2.8 H 4.8	(C) 0177 OS Chrome bezel 	 12.7 11.5 max	 DC AC 	 	 14.9 22.2 53.7 3.3 8.3 32.2	 Ø14.6
C 6.3	(C) 1092 FFS 	 19.0 4.0 max	 DC AC	 	 28.5 12.5 max	 Ø22.9

LED Lamps and LED Lampholders - Sealed to IP67

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 sales.

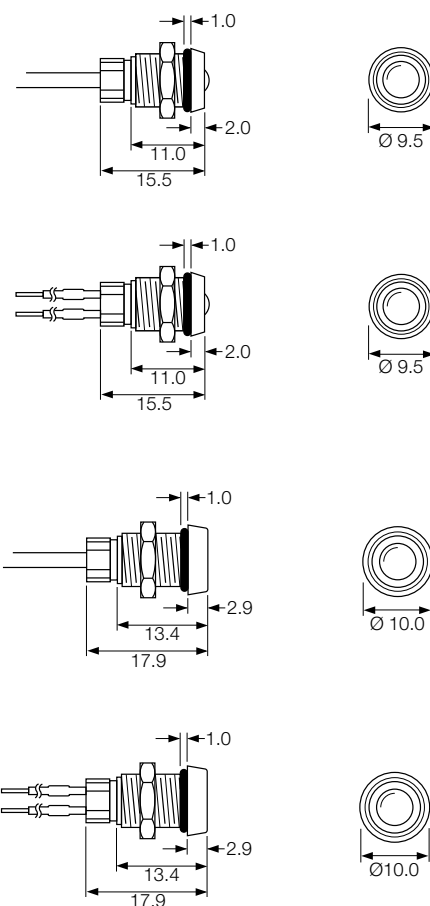
- ▶ IP67 front bezel sealing
- ▶ LED lampholders
- ▶ Supplied with or without LEDs
- ▶ Black or Chrome finish

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	ILLUM'N OPTIONS	APPROVAL
W  LED fitted	(W) 1048 OA 	 8.0  5.5max  T85	 DC  AC	 
A LED not fitted				
L  LED & Wires fitted	L 1048 OA 	 8.0  5.5max  T85	 DC  AC	 
W  LED fitted	(W) 1050 OA 	 8.0  7.0max  T85	 DC  AC	 
A LED not fitted				
L  LED & Wires fitted	L 1050 OA 	 8.0  7.0max  T85	 DC  AC	 

DIMENSIONS (mm)



Properties

Sealing

O-ring sealing equivalent to IP67, 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 - Sealed to IP67

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).

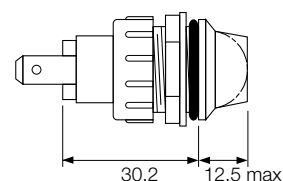
To create a catalogue number:

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

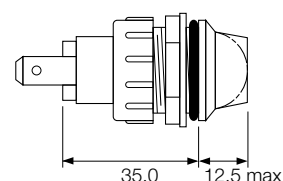
- ▶ IP67 Panel seal
- ▶ Supplied complete with gaskets/'O' rings
- ▶ Up to 50V
- ▶ Red, Amber, Green, Blue and Clear
- ▶ LES, Midget Flange, MES & MBC bulb

▶ TERM	▶ TYPE	▶ PANEL	ILLUM'N OPTIONS	APPROVAL
C 6.3 	C1090 FPS (MES) 	 19.0  4.0 max  T85		
C 6.3 	C1091 FQS (MBC) 	 19.0  4.0 max  T85		
T 	T0062 AOS (Midget flange) Chrome bezel T0063 AOS (LES) Chrome bezel 	 12.7  8.5 max  T85		
T 	T0062 MOS (LES & Midget flange) T0063 MOS (LES) 	 12.7  8.5 max  T85		

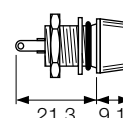
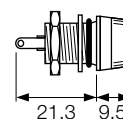
DIMENSIONS (mm)



Front of panel bulb replacement



Front of panel bulb replacement



F0445 MO

P.V.C. Insulating terminal cover.
For use with C1090 & C1091

