

This range of panel mounting LED indicators consists of many different bezel styles, types of LED's and colours. The range has developed to meet the different needs of panel design including IP66 and IP67 environmentally sealed versions for use where a front panel seal is needed.

The vandal resistant LED indicators are designed to complement the vandal resistant switches (see the Switch Section), they have similar profiles with stainless steel bodies, sealing to IP66 & 68 and are built to withstand harsh environments.

Vandal Resistant LED 317-318 LED Bezel 319-323 Indicator Lights 324-330 Low Voltage Lampholders 331-332 LED Lampholders 333-334 Indicator Lights IP67 335







Vandal Resistant LED Indicators

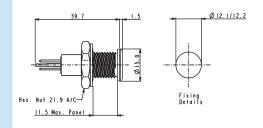


Proud of Panel Profile



DX0505

- Solder Tag/2.8mm Tag Termination
- Sealed to IP67
- Red, Green, Yellow or Blue LED Options
- Wide Viewing AngleShock and Vibration Resistant
- Stainless Steel body

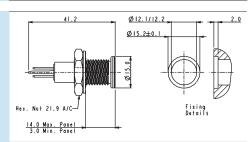


Flush Panel Profile



DX0506

- Solder Tag/2.8mm Tag Termination
- Sealed to IP67
- Red, Green, Yellow or Blue **LED Options**
- Wide Viewing Angle Shock and Vibration Resistant \bigcirc
- Stainless Steel body



Specifications	DX0505/Col/Voltage	DX0506/Col/Voltage
Terminations: Forward Voltage: Cont. Forward Current:	Solder Tab/2.8mm Tab Red 1.85V, Green 2.2V, Yellow 2.0V, Blue 3.8V Red 30mA, Green 25mA,	Solder Tab/2.8mm Tab Red 1.85V, Green 2.2V, Yellow 2.0V, Blue 3.8V Red 30mA, Green 25mA,
(max)	Yellow 30mA, Blue 25mA	Yellow 30mA, Blue 25mA
Power Dissipation:	Red 100mW, Green 105mW, Yellow 125mW, Blue 120mW	Red 100mW, Green 105mW, Yellow 125mW, Blue 120mW
Reverse Current: (@Vr = 5V)	Red 10μA max., Green 10μA max., Yellow 10μA max., Blue 50μA max.	Red 10μA max., Green 10μA max., Yellow 10μA max., Blue 50μA max.
LED Luminous Intensity:	Red 2000mcd, Green 100mcd, Yellow 400mcd, Blue 1600mcd (typ)	Red 2000mcd, Green 100mcd, Yellow 400mcd, Blue 1600mcd (typ)
Operating Temp. Range:	-40°C to +80°C	-40°C to +80°C
Storage Temperature:	-40°C to +85°C	-40°C to +85°C
Sealing (Front of panel):	Protection Classification IP67 to EN60529:1992+A2:2013	Protection Classification IP67 to EN60529:1992+A2:2013
Materials Body: Lens: O Ring (external): (internal):	Stainless Steel Polycarbonate UL94V-0 Nitrile Silicone	Stainless Steel Polycarbonate UL94V-0 Nitrile Silicone
Tightening Torque	0.5Nm - 0.9Nm (4.4lbf.in 8.0lbf.in.)	0.5Nm - 0.9Nm (4.4lbf.in 8.0lbf.in.)
Thread Size:	M12 x 1.25-6g	M12 x 1.25-6g
LED Colours:	/RD (Red), /GN (Green), /YL (Yellow) /BL (Blue), with colour coded insulator	/RD (Red), /GN (Green), /YL (Yellow) /BL (Blue), with colour coded insulator
LED Voltage:	/12 (12V d.c.), /24 (24V d.c.) or /00 (no ballast resistor)	/12 (12V d.c.), /24 (24V d.c.) or /00 (no ballast resistor)

Compliant

Compliant

Vandal Resistant LED Indicators



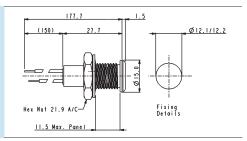
Proud of Panel Profile



- Sealed to IP67
- Red, Green, Yellow or Blue LED Options

O Flying Lead Termination

- Wide Viewing Angle
- Shock and Vibration Resistant
- Stainless Steel body

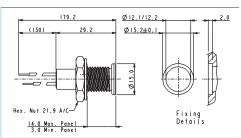


Flush Panel Profile



Flying Lead Termination

- Sealed to IP67
- Red, Green, Yellow or Blue LED Options
- Wide Viewing Angle
- Shock and Vibration Resistant
- O Stainless Steel body



DX0508

DX0507

Specifications	DX0507/Col/Voltage	DX0508/Col/Voltage
Terminations: Forward Voltage: Cont. Forward Current: (max)	Flying Leads Red 1.85V, Green 2.2V, Yellow 2.0V, Blue 3.8V Red 30mA, Green 25mA, Yellow 30mA, Blue 25mA	Flying Leads Red 1.85V, Green 2.2V, Yellow 2.0V, Blue 3.8V Red 30mA, Green 25mA, Yellow 30mA, Blue 25mA
Power Dissipation:	Red 100mW, Green 105mW, Yellow 125mW, Blue 120mW	Red 100mW, Green 105mW, Yellow 125mW, Blue 120mW
Reverse Current: (@Vr = 5V)	Red 10μA max., Green 10μA max., Yellow 10μA max., Blue 50μA max.	Red 10μA max., Green 10μA max., Yellow 10μA max., Blue 50μA max.
LED Luminous Intensity:	Red 2000mcd, Green 100mcd, Yellow 400mcd, Blue 1600mcd (typ)	Red 2000mcd, Green 100mcd, Yellow 400mcd, Blue 1600mcd (typ)
Operating Temp. Range:	-40°C to +80°C	-40°C to +80°C
Storage Temperature:	-40°C to +85°C	-40°C to +85°C
Sealing (Front of panel):	Protection Classification IP67 to EN60529:1992+A2:2013	Protection Classification IP67 to EN60529:1992+A2:2013
Materials Body: Lens: O Ring (external): (internal):	Stainless Steel Polycarbonate UL94V-0 Nitrile Silicone	Stainless Steel Polycarbonate UL94V-0 Nitrile Silicone
Tightening Torque	0.5Nm - 0.9Nm (4.4lbf.in 8.0lbf.in.)	0.5Nm - 0.9Nm (4.4lbf.in 8.0lbf.in.)
Thread Size:	M12 x 1.25-6g	M12 x 1.25-6g
LED Colours:	/RD (Red), /GN (Green), /YL (Yellow) /BL (Blue), with colour coded insulator	/RD (Red), /GN (Green), /YL (Yellow) /BL (Blue), with colour coded insulator
LED Voltage:	/12 (12V d.c.), /24 (24V d.c.) or /00 (no ballast resistor)	/12 (12V d.c.), /24 (24V d.c.) or /00 (no ballast resistor)
RoHS	Compliant	Compliant

5mm LED Indicators



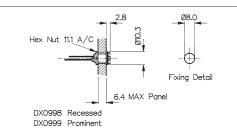




DX0998

DX0999

- Chrome Plated Brass Bezel
- Prominent or Recessed StyleChoice of LED Types and Colours



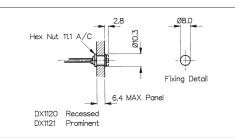
Nylon Bezel



DX1120

DX1121

- O Glass Filled Nylon Bezel
- O Prominent or Recessed Style
- Choice of LED Types and Colours



Specifications	DX0998, DX0999/Colour/Options	DX1120, DX1121/Colour/Options
Bezel Material:	Brass, Chrome Plated	Glass Filled Nylon
Style:	Recessed (DX0998) Prominent (DX0999)	Recessed (DX1120) Prominent (DX1121)
Operating Temp. Range:	Dependent on LED used	Dependent on LED used
Storage Temperature:	Dependent on LED used	Dependent on LED used
LED Colours:	/RD (Red), /GN (Green), /YL (Yellow), /BL (Blue), /TR (Tri Colour), /D1 (Dual Colour - Red/Green), /D2 (Dual Colour - Red/Amber), /D3 (Dual Colour - Green/Amber)	/RD (Red), /GN (Green), /YL (Yellow), /BL (Blue), /TR (Tri Colour), /D1 (Dual Colour - Red/Green), /D2 (Dual Colour - Red/Amber), /D3 (Dual Colour - Green/Amber)
LED Options:	/02 (Flashing, Green or Red only)	/02 (Flashing, Green or Red only)
Thread Size:	0.312" x 32TPI	0.312" x 32TPI
RoHS	Compliant	Compliant

See Page 212 for LED options and specifications*

Indicators

5mm LED Indicators



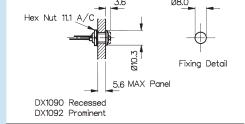




DX1090

DX1092

- O Aluminium Bezel, Black
- Anodised Finish
- IP66 Front Panel Sealed
- Prominent or Recessed Style
 - Choice of LED Types and Colours



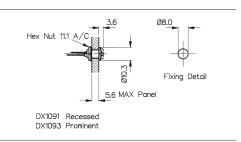
Aluminium Bezel - IP66 Sealed



DX1091

DX1093

- Aluminium Bezel, Clear
- Anodised Finish
- IP66 Front Panel Sealed
- O Prominent or Recessed Style
- Choice of LED Types and Colours



		PV4004 PV400010 I 40 II
Specifications	DX1090, DX1092/Colour/Options	DX1091, DX1093/Colour/Options
Materials:	Aluminium - Black	Aluminium - Clear
Style:	Recessed (DX1090) Prominent (DX1092)	Recessed (DX1091) Prominent (DX1093)
Operating Temp. Range:	Dependent on LED used	Dependent on LED used
Storage Temperature:	Dependent on LED used	Dependent on LED used
Sealing (Front of panel):	Protection Classification IP66 to EN60529:1992+A2:2013	Protection Classification IP66 to EN60529:1992+A2:2013
Tightening Torque:	0.056Nm (8ozf.in.) min	0.056Nm (8ozf.in.) min
Lead Solder Time:	260°C for 5 seconds max.	260°C for 5 seconds max.
LED Colours:	/RD (Red), /GN (Green), /YL (Yellow), /BL (Blue), /TR (Tri Colour), /D1 (Dual Colour - Red/Green), /D2 (Dual Colour - Red/Amber), /D3 (Dual Colour - Green/Amber)	/RD (Red), /GN (Green), /YL (Yellow), /BL (Blue), /TR (Tri Colour), /D1 (Dual Colour - Red/Green), /D2 (Dual Colour - Red/Amber), /D3 (Dual Colour - Green/Amber)
Thread Size:	0.312" x 32TPI	0.312" x 32TPI
RoHS	Compliant	Compliant

See Page 212 for LED options and specifications

4mm LED Indicators

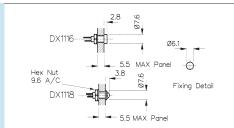


Chrome Plated Brass Bezel



DX1116 DX1118

- O Chrome Plated Brass Bezel
- Prominent or Recessed StyleChoice of LED Types and Colours



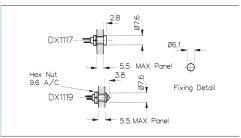
Black Nickel Pated Brass Bezel



O Prominent or Reces

 Prominent or Recessed Style
 Choice of LED Types and Colours

Aluminium, Black Anodised



DX1117 DX1119

Specifications	DX1116, DX1118/Colour	DX1117, DX1119/Colour
Bezel Materials:	Brass, Chrome Plated	Aluminium, Black Anodised
Style:	Recessed (DX1116) Prominent (DX1118)	Recessed (DX1117) Prominent (DX1119)
Operating Temp. Range:	Dependent on LED used	Dependent on LED used
Storage Temperature:	Dependent on LED used	Dependent on LED used
Lead Solder Time:	260°C for 5 seconds max.	260°C for 5 seconds max.
LED Colours:	/RD (Red), /GN (Green), /YL (Yellow), /BL (Blue)	/RD (Red), /GN (Green), /YL (Yellow), /BL (Blue)
RoHS	Compliant	Compliant

See Page 213 for LED specifications*

5mm LED options



5mm LEDs STANDARD

Specification	Red	Green	Yellow	Blue	
Luminous Intensity @20mA: Forward voltage: Cont. Forward Current (max):	25mcd 2.0V 30mA	20mcd 2.0V 25mA	20mcd 2.1V 30mA	21mcd 3.5V 30mA	ANODE Z5.0 MIN
Power Dissipation:	105mW (max) @20°C A	mbient	120mW	CATHODE //BL
Reverse Current: Reverse Voltage:	10μA 5V (max)	10μA 5V (max)	10μΑ 5V (max)	50μA 5V (max)	ANODE 22.2 MIN /RD, /GN, /YL
Operating Temp:	-4	40°C to +85°C		-20°C to +80°C	
Part No:	/RD	/GN	/YL	/BL	

5mm LEDs FLASHING

5mm LEDs TRI COLOUR

	_	
Specification	Red/Green/Amber	
Luminous Intensity @20mA: Forward voltage: Cont. Forward Current (max): Power Dissipation: Reverse Current: Reverse Voltage: Operating Temp: Part No:	2.5mcd 2.4V 30mA (max) 150mW (max) @ 20°C Ambient 100µA 5V (max) -40°C to +70°C /TR	CATHODE CATHODE 24.9

5mm LEDs DUAL COLOUR

Specifications	Red/Green	Red/Amber	Green/Amber	
Luminous Intensity: Forward voltage: Cont. Forward Current: Power Dissipation: Reverse Current: Reverse Voltage: Operating Temp:	4.5/5mcd 2.2V 30mA/30mA 100mW/100mW 100mA 5V (max)	4.5/4mcd 2.2V 30mA/20mA 100mW/60mW 100mA 5V (max) -40°C to +85°C	4/5mcd 2.2V 30mA/20mA 100mW/60mW 100mA 5V (max)	1.0 MIN 25.0 MIN RED YELLOW
Part No:	/D1	/D2	/D3	GREEN

Indicators 4mm LED Options



4mm LEDs Standard

Specifications	Red	Green	Yellow	Blue	
Luminous Intensity @10mA:	2.5mcd	2.5mcd	2.5mcd	50mcd	
Forward voltage:	2.0V	2.1V	2.0V	3.8V	<u>₩, №</u>
Cont. Forward Current (max):	30mA	30mA	20mA	30mA	ANODE 8
Power Dissipation (max) @ 20°C Ambient:	100mW	100mW	85mW	120mW	ANODE
Reverse Current:	10μΑ	10μΑ	10μΑ	50μΑ	CATHODE
Reverse Voltage:	5V (max)	5V (max)	5V (max)	5V (max)	12.5
Part No:	/RD	/GN	/YL	/BL	MINT

Part No Breakdown

DXxxxx / XX	/ xx
Bezel Type LED Colour RD = Red GN = Green YL = Yellow BL = Blue D1 = Dual Colour - 5mm (F Green) D2 = Dual Colour - 5mm (G Amber) TR = Tri Colour - 5mm (R Green/Amber)	ed/

Example:DX1092/RD/02 = Black Aluminum IP66 Prominent Bezel, with Red flashing LED

Indicator Lights

Neon, LED and Filament Lamp



Key Features

Colours and voltages:

- 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
- NEON

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



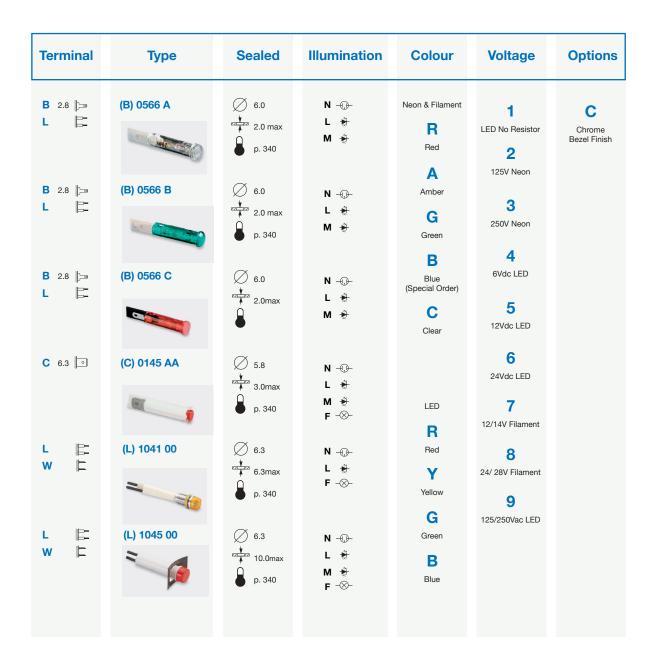
Red, Yellow, Green, Blue, White 2.0/2.2V Resistors for other voltages available.



Red, Yellow, Green, Blue, White 110-230V ac operation.



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

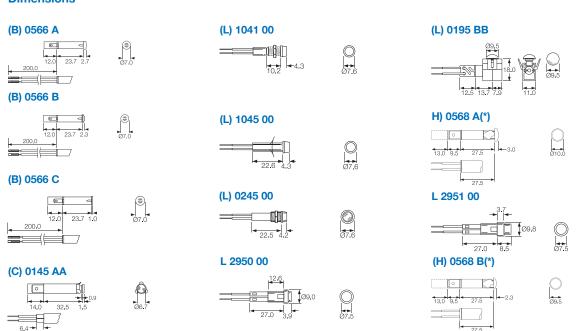


Indicator Lights Neon, LED and Filament Lamp



Terminal	Туре	Sealed	Illumination	Colour	Voltage	Options
L E	(L) 0245 00	7.1 6.3 max p. 340	N -⊕- L ∯ M ∯ F -⊗-	Neon & Filament R Red	1 LED No Resistor	C Chrome Bezel Finish
L E	L 2950 00	8.0 2 0.8-1.6 p. 340	N() L + 	Amber G Green	3 250V Neon	
L C 6.3 -	(L) 0195 BB	8.0 0.8-3.0 p. 340	N -⊕- F -⊗-	B Blue (Special Order)	4 6Vdc LED 5 12Vdc LED	
L E	L 2951 00	8.0 0.8-1.6 p. 340	N -⊕- L -∯- M -∯-	LED	6 24Vdc LED	
L	H) 0568 A(*)	8.0 ** 0.8-3.5	F -⊗- N -⊕- L ∯ F -⊗-	Red Y	12/14V Filament 8 24/ 28V Filament	
L	(H) 0568 B(*)	p. 340 8.0 0.8-3.5	N -{}- L {} F -⊗-	Yellow G Green B	9 125/250Vac LED	
		p. 340	· •	Blue		

Dimensions



Indicator Lights Neon, LED and Filament Lamp



Key Features

- Neon, LED, mains LED or filament lamp
- O 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

Colours and voltages:



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



Red, Yellow, Green, Blue, White 2.0/2.2V Resistors for other voltages available.

AC MAINS LED FILAMENT



Red, Yellow, Green, Blue, White 110-230V ac operation.



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

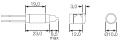
Terminal	Туре	Illumination	Colour	Voltage	Options	Panel	Approval
L	(C) 0278 00	N - ⊕ L + ⊕ M + ⊕ F - ⊗ - N - ⊕ L + ⊕ F - ⊗ - N - ⊕ L + ⊕	Red A Amber G Green B Blue (Special Order)	1 LED No Resistor 2 125V Neon 3 250V Neon 4 6Vdc LED	C Chrome Bezel Finish	9.0 Call sales 9.0 2.0 max p. 340 9.0 2.0 max	#
H 4.8 C 6.3 C E K 2.8 H 4.8	(C) 0276 AA	M ∯ F -⊗- N -⊕- L ∯ M ∯	C Clear	5 12Vdc LED 6 24Vdc LED		p. 340 9.5 0.8-2.8	71 KEE ©
C 6.3 C K 2.8 C 6.3 C	(C) 0275 00	N - ⊕- L + ⊕- M + ⊕- F - ⊗-	Red Yellow	7 12/14V Filament 8 24/ 28V Filament		p. 340	RES GE
L	(C) 0275 00	N -()- L ∯ M ∯ F -⊗-	G Green B Blue	125/250Vac LED		10.0 11.5 max p. 340	71 KEE 6 KEE 6 KEE



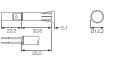
Terminal	Туре	Illumination	Colour	Voltage	Options	Panel	Approval
L	(C) 0276 00	N -⊕- L ∜ M ∜ F -⊗-	Neon & Filament R Red	1 LED No Resistor 2 125V Neon	C Chrome Bezel Finish	2.8 max p. 340	71 KESS (\$ KESS (\$
L	(C) 0277 00	N - ⊕- L *∳ M *∳ F - ⊗-	Amber G Green	3 250V Neon		10.0 12 max p. 340	SAL KEDA KEDA KEDA
L	(C) 0273 LL	N - ⊕- L ∯ M ∯ F -⊗-	Blue (Special Order) C Clear	6Vdc LED 5 12Vdc LED		10.0 10.0 0.6-2.0 p. 340	SU KEDA &
L	(C) 2820 00	N -⊕- L ᢤ M ∜ F -⊗-	LED R	6 24Vdc LED 7 12/14V Filament		12.0 12.0 0.75-2.0 p. 340	FL KEDA KEDA KEDA
L	(C) 2821 00	N - ⊕- L + ∰- M + ∯- F - ⊗-	Red Y Yellow	8 24/ 28V Filament 9 125/250Vac LED		12.0or12. o12.0 = 0.8-2.5 o12.7 o12.7 o12.0 o1.8-2.5 o1.8-2	7 PL KEED GE KEED GE KEED GE
L	(C) 0586 00	N - ⊕- L + ∳ M + ∳ F - ⊗-	Green B Blue			12.5 12.5 0.8-1.5 p. 340	FAL KEDA SE KEDA KEDA

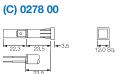
Dimensions

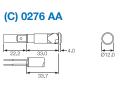
(L) 0569 AW

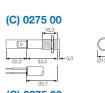




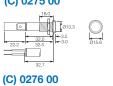








































Indicator Lights

Neon, LED and Filament Lamp



Key Features

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

Colours and voltages:



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



Red, Yellow, Green, Blue, White 2.0/2.2V Resistors for other voltages available.

DC LED

AC MAINS LED



Red, Yellow, Green, Blue, White 110-230V ac operation.



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

Terminal	Туре	Illumination	Colour	Voltage	Options	Panel	Approva
L E	(C) 2870 00	N	Neon & Filament	1	С	12.7	MEGA (B)
K 2.8		L 🖶	R	LED No Resistor	Chrome	0.75-2.0	KEDA
H 4.8		M ≗ F -⊗-	Red	2	Bezel Finish	Ω	KEGA
C 6.3		F ⊗	Α	125V Neon		P. 340	KEUA
L E	C) 0589 00	N. O	Amber			A	
K 2.8	C) 0389 00	N -⊕- L ∦		3			M KEGA &
H 4.8		_ [∞]	G	250V Neon		0.8-1.5	KEGA
C 6.3		F -⊗-	Green			p. 340	KECA
			В	4			
L E	L 0081 00	N - ()-	Blue (Special Order)	6Vdc LED		Ø 12.7	M KEDA SE
		L ∅ M ∮	, ,	5		9.5	KEDA
		F -⊗-	C Clear	12Vdc LED		p. 340	KECA
L E	(C) 0177 00			6		\sim	
K 2.8	(0) 0177 00	N -⊕- L ∦		24Vdc LED			M KEGA 🚳
H 4.8		L ≅ M ∯	150	7		12.0max	KEGA ST
C 6.3		F -⊗-	LED	12/14V Filament		p. 340	KEDA
			R	12/14VIIIamon			
L E	(C) 0067 00	N	Red	8			M KEGA 🚳
K 2.8		L 8	Y	24/ 28V Filament		1.14 max	KEUA
H 4.8 C 6.3		M 2 F-⊗-	Yellow	9		p. 340	KEDA Keda
0.0			G	125/250Vac LED			[NEUR]
L E	(C) 0180AA	N	Green			() 12.7	TAN KECA S
C 6.3		L 🖶	В			19.0 max	THE INCOME
		F -⊗-	Blue			Ò	KECA
			Sido			p. 340	

Indicator Lights Neon, LED and Filament Lamp



Terminal	Туре	Illumination	Colour	Voltage	Options	Panel	Approval
L	(C) 0180BB (C) 0579 00 (C) 1092	N - ⊕- L - ½- F - ⊗- N - ⊕- L - ½- F - ⊗-	Red A Amber G Green B Blue (Special Order) C	1 LED No Resistor 2 125V Neon 3 250V Neon 4 6Vdc LED 5 12Vdc LED	C Chrome Bezel Finish	13.5 13.5 0.9-1.14 14.0 14.0 2.5 max p. 340 19.0 4.0max p. 340	KEEA SE
			Clear LED Red Y Yellow G Green B Blue	6 24Vdc LED 7 12/14V Filament 8 24/ 28V Filament 9 125/250Vac LED		· pion	

Dimensions

(C) 2870 00





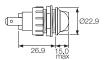








(C) 1092













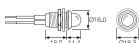


(C) 0180AA





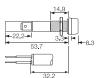
L 0081 00







(C) 0177 00





(C) 0180BB





(C) 0579 00





Indicator Lights

Neon, LED and Filament Lamp



Key Features

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

Colours and voltages:



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



Red, Yellow, Green, Blue, White 2.0/2.2V Resistors for other voltages available.

AC MAINS LED FILAMENT



Red, Yellow, Green, Blue, White 110-230V ac operation.



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

Terminal	Туре	Illumination	Colour	Voltage	Options	Panel	Approval
H 4.8	H 0581 AY	N -⊕- F -⊗-	Neon & Filament R Red	1 LED No Resistor 2 125V Neon	C Chrome Bezel Finish	18.2/18.3 × 6.2/6.3, 6.2/6.3, 2.0-3.5 P. 340	FA K 6 6 6
L E	L 0234 00	N	Amber G Green	3 250V Neon		9.27/9.50 × 4 . 7 5 · 0.71-1.62 p. 340	N REEL S
L	L 0233 00	N	Blue (Special Order)	6Vdc LED 5 12Vdc LED		p. 340	Kera
			Red Y Yellow	6 24Vdc LED 7 12/14V Filament 8 24/ 28V Filament			
			Green B Blue	9 125/250Vac LED			

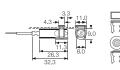
Dimensions

H 0581 AY

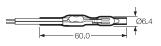




L 0234 00



L 0233 00



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

Low Voltage Lampholders



Key Features

Colours and voltages:

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

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).

Terminal	Туре	Sealed	Illumination	Colour	Voltage	Options	Panel
T	T0061 00 (LES)	S	N	Neon & Filament	1	С	9.5
	£ 50	Sealed	Neon	Red	LED No Resistor	Chrome Bezel Finish	0.9-1.14
3			L	A	125V Neon		
C	(C) 0067 00		DC LED	Amber G	3		12.7 1.14max
			M	Green	250V Neon		T85
T 6.3	(T) 0062 A0		Mains AC LED	Blue (Special Order)	4 6Vdc LED		Ø 12.7
			F	C	5 12Vdc LED		9.6max
			Mains AC LED	Clear	6		100
T	(C) 0062 M0			LED	24Vdc LED		12.7 12.7 9.6max
				Red	7 12/14V Filament		T85
s of	(S) 0095 00			Yellow	8		
				G	24/ 28V Filament		
	10			Green	9 125/250Vac LED		☐ T85
				Blue			100

T0061 00 (LES)









(T) 0062 A0





(C) 0067 00





(C) 0062 M0





(S) 0095 00







Large Low Voltage Lampholders









P1090FL - - -

Key Features

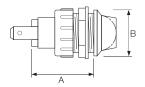
- O Up to 50V
- MES or MBC bulb
- Flat and domed lens
- Brass or nylon bodies
- Red, Amber, Green, Blue and Clear lenses

Approvals and specifications

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.

Dimensions and Options



F0445 MO P.V.C. Insulating terminal cover.



Terminal	Туре	Colour	Bulb Voltage	Options	Panel	Lens
C 9.1 6.3 x 0.8	1090 MES (E10) 1091 MBC (BA9s) (C and S Terminals	R Red Y Yellow G Green B Blue C Clear	6 6V 12 12V 24 24V Max of 50V	C Chrome Bezel Finish	1090 (MES lamps) Panel Hole Body Dim Brass A B B B B B B B B B B B B B B B B B B	F Flat V MES (E10)
Solder Solder Screw and Clamp	only)				Panel Hole Body Dim Dim B	L No lens

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



Key Features

Colours and voltages:

○ LED lampholders

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

Supplied with or without LEDs Black or Chrome finish

Voltages: LEDs are available for direct connection to 2.0/2.2V or 12Vdc

For other voltages contact sales.

Terminal	Туре	Body Colour	LED Colour	Voltage	Panel Cutout	Approval	Dimensions
W LED fitted A LED not fitted TT L LED & Wires fitted	(W) 1048 00	B Black - Blank	R Red Y Red	1 LED No Resistor 4 6Vdc LED	6.3 6.3max T105		1.5 (+/-0.36)
W LED fitted A LED not fitted TT L LED & Wires fitted	(L) 1048 0A		G Green B Blue	5 12Vdc LED 6 24Vdc LED	8.0 5.5max T105		14.5
W LED fitted A LED not fitted TT L LED & Wires fitted	(W) 1050 0A				8.0 7.0max	KEWA	12.4 010.0
W LED fitted T L LED & Wires fitted	(L) 1035 0A				4.5 0.9-1.6	KEMA 911	4.30 V 1.50 S.08
W LED fitted TT L LED & Wires fitted	(L) 1036 0A				6.0 0.9-1.6 T105	KEMA	5.85 V 1.0 0 1.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
W LED fitted TT L LED & Wires fitted	(L) 1037 0A				6.35 0.9-1.6 T105	FI	200.0

LED Lamps and LED Lampholders - Sealed to IP67



Key Features Colours and voltages:

○ IP67 front bezel sealing

Colours:

O LED lampholders

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

O Supplied with or without LEDs

Voltages:

LED

LEDs are available for direct connection to

○ Black or Chrome finish 2.0/2.2V or 12Vdc.

For other voltages contact sales.

Terminal	Туре	LED Colour	Voltage	Panel	Approval	Dimensions
L LED & Wires fitted	(L) 1048 00	В	6	8.0 5.5max	KEMA	(L) 1048 00
ΨΨ		Blue	24Vdc LED	T105		+2.0 Ø 9.5
W LED fitted	(W) 1050 00			8.0 7.0max	KEMA	(W) 1050 00
A LED not fitted				7.0max		13.4 17.9 17.9
L LED & Wires fitted	(W) 1050 00			8.0	KEMA	(W) 1050 00
ΨΨ				7.0max T105		13.4 2.9 010.0

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.

Indicator Lights - Sealed to IP67



Key Features

- 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
- O Wide choice of styles

Colours and voltages:



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

DC LED



Red, Yellow, Green, Blue, White 2.0/2.2V Resistors for other voltages available.

AC MAINS LED



Red, Yellow, Green, Blue, White 110-230V ac operation.

FILAMENT



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

Terminal	Type	Sealed	Illumination	Colour	Voltage	Option	Panel Cutout	Approval
L	(L) 1041 OS	S Sealed	N -⊕- L † M † F -⊗-	R Red A Amber	1 LED No Resistor 2 125V Neon	C Chrome Bezel Finish	6.3 † 5.3max	Keur
L E	(L) 0245 OS		N ⊕ L ∜ M ∜ F -⊗-	G Green B Blue	3 250V Neon		7.1 4.6max	Kena
L	(C) 0275 OS		N - ⊕- L ** M *! F -⊗-	(Special) C Clear	4 6Vdc LED 5 12Vdc LED		10.0 11.15max	KENA
L	(C) 0277 OS			R Red	6 24Vdc LED		10.0 11.15max	KEMA
L 6.3	(C) 0177 OS		N -⊕- L ∜ M ∜ F -⊗-	Y Yellow G Green	7 12/14V Filament 8 24/ 28V Filament		12.7 11.15max	KEMA
L 6.3	(C) 1092 FFS		N -⊕-	B Blue W White	9 125/250Vac LED		19.0 19.0 4.0 max	Keur
(L) 1041 OS			(C)	0275 OS		(C) 0177	OS	

(L) 1041 OS





(L) 0245 OS





(C) 0275 OS





(C) 0277 OS





(C) 0177 OS





(C) 1092 FFS





Low Voltage Lamp Holders - Sealed to IP67



Key Features

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

Colours and voltages:

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).

Terminal	Туре	Sealed	Colour	Bulb Voltage	Options	Panel	Approvals	Dimensions	
C 6.3	C1090 FPS (MES)	S Sealed	R Red A Amber	6 6V 12 12V	C Chrome Bezel Finish	19.0 4.0max	KENA	30.2 12.5 max	
C 6.3	C1091 FQS (MBC)		G Green B Blue (Special)	24 24V		7.1 4.6max	KEWA	35,0 12,5 max	
T 🏳	T0062 AOS (Midget flange) Chrome bezel T0063 AOS (LES) Chrome bezel		C Clear			10.0 11.15max	Keur	21.3 9.1	014.7
T 🏳	T0062 MOS (LES & Midget flange) T0063 MOS (LES)					10.0 2 11.15max	KEMA	21.3 9.5	Ø 14.7

F0445 MOP.V.C. Insulating terminal cover. For use with C1090 & C1091



Technical 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 Colours

Available with Red, Amber, Green, Blue 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. Thefalse 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

IVI (I LI II) (LO
Moulded bodies and bases Nylon 6.6
Metal bodies and bezels
Lenses
Terminals (most types) Brass (electro-tin plated)
Terminals (exceptions)
Threaded metal nuts Brass (nickel plated on 0275/7)
Other fixings
* R9, 0061, 0062, 0430, 0480, 1090, 1091, 6030, 7030, 8630, 8580
** # 3130, 3160, 3161, 3221 have nickel plated terminals with steel screws

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 sales.

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

and plated polyamide bezel trims

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

SYMBOLS











