


Pilot light heads



LPL...

Order code	Colour	Qty per pkg	Wt
		n°	[kg]
Without mounting adapter.			
LPL 3	Green	10	0.024
LPL 4	Red	10	0.024
LPL 5	Yellow	10	0.024
LPL 6	Blue	10	0.024
LPL 7	Transparent	10	0.024
LPL 1187	Transparent 	10	0.024

 With symbol indicating dangerous voltage (IEC/EN 60417 5036-a).

Operational characteristics

- Any mounting position allowed
- Ambient conditions:
 - Operating temperature: -25...+70°C
 - Storage temperature: -40...+85°C
- Degree of protection:
 - Per IEC/EN: IP66, IP67 and IP69K
 - Per UL: Type 1, 2, 3R, 4, 4X, 12, 12K.

Materials

Polyamide.

Mounting adapter

Type: LPX AU120.

Pilot light heads are installed through a Ø22mm/Ø0.87" drilling with a threaded fixing ring (Tmax = 2.3Nm/1.69lbf) also on the cover of LPZ control stations, with LED element in central position.

The mounting adapter directly snaps onto the actuator.

Certifications and compliance

Certifications obtained: UL Listed for USA and Canada, (cULus - File E93601), as Auxiliary Devices; EAC, CCC, RINA.

Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1, UL508, CSA C22.2 n° 14.

LED integrated monoblock pilot lights steady light



LPM...



Order code	Rated auxiliary supply voltage	LED colour	Qty per pkg	Wt	
			n°	[kg]	
LPM LA3	12VAC/DC	Green	10	0.021	
LPM LA4		Red	10	0.021	
LPM LA5		Yellow	10	0.021	
LPM LA6		Blue	10	0.021	
LPM LA7		Transparent	10	0.021	
LPM LB3		24VAC/DC	Green	10	0.021
LPM LB4			Red	10	0.021
LPM LB5	Yellow		10	0.021	
LPM LB6	Blue		10	0.021	
LPM LB7	Transparent		10	0.021	
LPM LD3	48VAC/DC		Green	10	0.021
LPM LD4			Red	10	0.021
LPM LD5		Yellow	10	0.021	
LPM LD6		Blue	10	0.021	
LPM LD7		Transparent	10	0.021	
LPM LE3		110VAC	Green	10	0.024
LPM LE4			Red	10	0.024
LPM LE5	Yellow		10	0.024	
LPM LE6	Blue		10	0.024	
LPM LE7	Transparent		10	0.024	
LPM LM3	230VAC		Green	10	0.024
LPM LM4			Red	10	0.024
LPM LM5		Yellow	10	0.024	
LPM LM6		Blue	10	0.024	
LPM LM7		Transparent	10	0.024	

Operational characteristics

- Nominal frequency: 50-60Hz
- Supply voltage: 12VAC/DC, 24VAC/DC, 48VAC/DC, 110VAC, 230VAC (-15%...+10% Ue)
- Consumption: ≤20mA
- Installed through a Ø22mm/Ø0.87" drilling with a threaded fixing ring (Tmax = 2.3Nm/1.69lbf) also on cover of LPZ control stations
- Electrical life: >30,000 hours
- Screw termination
- Side cable entry
- Maximum tightening torque: 0.8Nm
- Ambient conditions:
 - Operating temperature: -5...+40°C
- Degree of protection:
 - per IEC/EN: IP66, IP67 and IP69K on front; IP20 at rear
 - per UL: Type 1, 2, 3R, 4, 4X, 12, 12K on front.

Materials

Polyamide.

Maximum conductor cross section

1 or 21.5mm² or AWG16 cables.

Wiring diagram



Certifications and compliance

Certifications obtained: cULus (pending), EAC, CCC (pending).

Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1, UL508, CSA C22.2 n° 14.

LED elements steady light



LPX LP...

Total protection against overvoltages and stray currents in wiring, to reduce flickering phenomenon and withstand vibrations.

Order code	Rated supply voltage	LED colour	Qty per pkg.	Wt
	[V]		n°	[kg]

Steady light, screw termination.
Supplied without mounting adapter.

LPX LP B3	12...30V AC/DC	Green	10	0.016
LPX LP B4		Red	10	0.016
LPX LP B5		Yellow	10	0.016
LPX LP B6		Blue	10	0.016
LPX LP B8		White	10	0.016
LPX LP E3	85...140V AC	Green	10	0.016
LPX LP E4		Red	10	0.016
LPX LP E5		Yellow	10	0.016
LPX LP E6		Blue	10	0.016
LPX LP E8		White	10	0.016
LPX LP M3	185...265V AC	Green	10	0.016
LPX LP M4		Red	10	0.016
LPX LP M5		Yellow	10	0.016
LPX LP M6		Blue	10	0.016
LPX LP M8		White	10	0.016



LPX LE...

Simple protection against overvoltages and to withstand vibrations.

Order code	Rated supply voltage	LED colour	Qty per pkg.	Wt
	[V]		n°	[kg]

Steady light, screw termination.
Supplied without mounting adapter.

LPX LE B3	12...30V AC/DC	Green	10	0.016
LPX LE B4		Red	10	0.016
LPX LE B5		Yellow	10	0.016
LPX LE B6		Blue	10	0.016
LPX LE B8		White	10	0.016
LPX LE E3	85...140V AC/DC	Green	10	0.016
LPX LE E4		Red	10	0.016
LPX LE E5		Yellow	10	0.016
LPX LE E6		Blue	10	0.016
LPX LE E8		White	10	0.016
LPX LE M3	185...265V AC/DC	Green	10	0.016
LPX LE M4		Red	10	0.016
LPX LE M5		Yellow	10	0.016
LPX LE M6		Blue	10	0.016
LPX LE M8		White	10	0.016



LPX LF...

Total protection against overvoltages and stray currents in wiring, to reduce flickering phenomenon and withstand vibrations.

Order code	Rated supply voltage	LED colour	Qty per pkg.	Wt
	[V]		n°	[kg]

Flashing light, screw termination.
Supplied without mounting adapter.

LPX LF B3	18...30V AC/DC	Green	10	0.016
LPX LF B4		Red	10	0.016
LPX LF B5		Yellow	10	0.016
LPX LF B6		Blue	10	0.016
LPX LF B8		White	10	0.016
LPX LF E3	85...140V AC	Green	10	0.016
LPX LF E4		Red	10	0.016
LPX LF E5		Yellow	10	0.016
LPX LF E6		Blue	10	0.016
LPX LF E8		White	10	0.016
LPX LF M3	185...265V AC	Green	10	0.016
LPX LF M4		Red	10	0.016
LPX LF M5		Yellow	10	0.016
LPX LF M6		Blue	10	0.016
LPX LF M8		White	10	0.016

Operational characteristics

- Rated frequency: 50-60Hz
- Auxiliary supply voltage:
 - LPX LP... with steady light: 12...30VAC/DC; 85...140VAC; 185...265VAC
 - LPX LE... with steady light: 12...30VAC/DC; 85...140VAC/DC; 185...265VAC/DC
 - LPX LF... flashing light: 18...30VAC/DC; 85...140VAC, 185...265VAC
- Maximum consumption for:
 - LPX LP... steady light and LPX LF... flashing light: 17mA-0.50W (12...30VAC/DC); 20mA-0.40W (85...140VAC); 18mA-0.55W (185...265VAC)
 - LPX LE... steady light: 11mA-0.33W (12...30VAC/DC); 5mA-0.72W (85...140VAC/DC); 3mA-0.67W (185...265VAC/DC)
- Total protection for LPX LP... and LPX LF... types:
 - Against overvoltages
 - Against stray currents in wiring
 - To reduce flickering phenomenon
 - To withstand vibrations
- Minimum activation voltage:
 - LPX LP... steady light: 4V-1mA (12...30VAC/DC); 30V-4mA (85...140VAC); 55V-4mA (185...265VAC)
 - LPX LE... steady light: 4V-0.5mA (12...30VAC/DC); 15V-0.4mA (85...140VAC/DC); 35V-0.3mA (185...265VAC/DC)
 - LPX LF... flashing light: 5V-1.5mA (18...30VAC/DC); 13V-1.5mA (85...140VAC); 25V-1.5mA (185...265VAC)
- Simple protection for LPX LE... types
 - Against overvoltages
 - To withstand vibrations
- Electrical life: 100,000 hours
- Snap onto LPX AU120 mounting adapter in the middle position for each illuminated actuator, also internally on the LPZ control station cover
- No other element can be stacked behind LED elements
- Any mounting position allowed
- Maximum tightening torque: 1Nm/0.74lbf
- Ambient conditions:
 - Operating temperature: -25...+70°C (-25...+60°C for LPX LE...)
 - Storage temperature: -40...+85°C
- Degree of protection: IP20.

Mounting adapter

The mounting adapter directly snaps onto the actuator fixed to the mounting surface.

Maximum conductor cross section

1 or 2 2.5mm² or AWG12 cables.

Wiring diagram



Certifications and compliance

Certifications obtained: UL Listed for USA and Canada, (cULus - File E93601), as Auxiliary Devices; EAC, CCC, RINA.

Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1, UL508, CSA C22.2 n° 14.