



SL150-4-J

Visual Signals

GRP COMBINATION UNITS

WITH ACTIVATION CONTROL

Explosion Proof Status Lights > GRP SL150 Series

Product overview

The SL150 status light range has been approved for use in potentially explosive atmospheres and very harsh environmental conditions.

Typical applications are Oil and Gas, On-shore and Offshore, Chemical, Petrochemical, Refineries & Marine locations etc.

The units offer a visual warning signal with the option of either a junction box, allowing extra space for ease of installation & final connections. This is particularly helpful if the unit is to be installed into a fire or telecom system where additional cabling is required to monitor external devices or a push button unit for manual activation.

The units are mounted on a heavy duty 316 stainless steel, pre-drilled, mounting plate & the units are pre-wired as standard.

Features/Certifications

- Approved by ATEX, IECEx
- CQST (Available on request only)
- ATEX: II 2G Exd IIC T4 - T6 (incorporating IIA & IIB)
- Zones 1, 2, 21 & 22
- Conforms to EN (IEC) 60079-0 EN (IEC) 60079-1 and EN54
- Dustproof & Weatherproof

SL150 Series > Ordering Information

	Combination Type	Combined With (Optional)	Lens Colour	Beacon Type	Power (Xenon)	Power (LED)	Voltage	Duty Label	Tag Label	Lens Guard	Cable Entry	Finish Colour	Telephone Initiated
SL150 +	2 = 2xB	J = Junction Box	A = Amber	X = Xenon	02 = 2J	05 = 5W	DC 12 ~ 48v	Y = Yes	Y = Yes	Y = Yes	A = M20	RD = Red	Y = Yes
	3 = 3xB		R = Red		05 = 5J							YW = Yellow	
	4 = 4xB		B = Blue		10 = 10J							BU = Blue	
	5 = 5xB *	P = Push Button	G = Green	L = LED	15 = 15J	10 = 10W	AC 100-240v	N = No	N = No	N = No	B = M25	BL = Black	N = No
			C = Clear		20 = 20J							OR = Other	

Note: S= Sounder, B= Beacon

* Combination Type 5: J or P additions not available with this selection.

MODEL CONFIGURATOR (By using the table above, complete this box sequence to select your required junction box)

SL150													
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Note: All customers orders will be confirmed in writing. Care should be taken that the correct code has been ordered as be-spoke manufactured products cannot be returned for exchange or credit later.

Kg 8.9 2 17.4 4
13.1 3 21.6 5

°C -40+70

IP 66

INDUSTRIAL

MARINE

FIRE

GRP

APPROVALS and CONFORMITIES



Explosion Proof Status Lights > GRP SL150 Series

General Information

EX CODE: Ex d IIC T4~ T6 Gb, Ex tb IIIC T135°C~T85°C
 CERTIFICATION: ATEX and IECEx
 CQST (Available on request only)
 TYPE: Xenon or LED Visual Signal Warning Device

Xenon Working Status			Xenon - Flashing		
Flash Rate			Selectable from 60-180 Flashes per Minute		
Power Rating	2.5 J (4W) Max	5 J (10W) Max	10 J (15W) Max	15 J (20W) Max	20 J (25W) Max
Effective Candela	67	109	293	395	424

LED Working Status	LED - Flashing / Rotating / Static	
Flash Rate	Selectable from 60-120 Flashes per Minute	
Rotation Rate	Selectable from 60-120 Revolutions per Minute	
Static Mode	Permanently ON (ie Steady)	
Power Rating	5 W	10 W
Effective Candela	128	312

MULTIPLYING FACTOR FOR COLOURED LENSES:

Amber x 0.51, Red x 0.15, Blue x 0.12, Green x 0.49, Clear x 1

Mechanical Specifications

MATERIAL: Enclosure: GRP (Glass Reinforced Plastic) with 316 Stainless Steel Mounting Bracket

LENS COLOURS: Amber, Red, Blue, Green, Clear or Other (specify)

ENCLOSURE COLOUR: Red (RAL3001), Yellow (RAL1003)
 Blue (RAL5005), Black (RAL9004)

AMBIENT TEMPERATURE: -40 to +70

HUMIDITY: ≤ 95% RH

WEIGHT: SL150-A: 8.9 Kg / 19.6 lb, SL150-B: 13.1 Kg / 28.9 lb
 SL150-C: 17.4 Kg / 38.3 lb, SL150-D: 21.6 Kg / 47.6 lb

DIMENSIONS: See outline drawings and table for dimensions.

INGRESS PROTECTION: IP 66

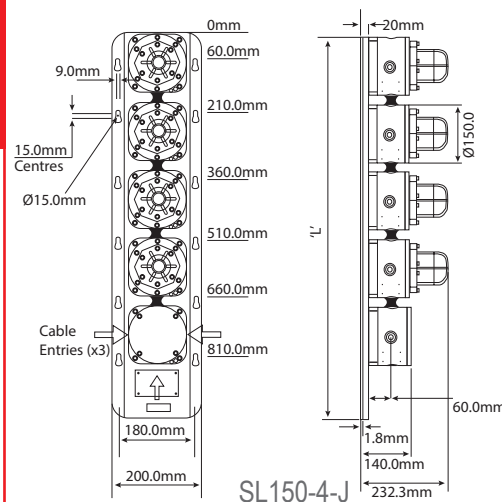
Electrical Specifications

POWER SUPPLY: ≤48v Dc or 100-240v Ac (50/60 Hz), Beacon: ≤25W,

TERMINATION: Accepts upto ≤ 2.5mm² incorporating rising clamp protectors

CABLE ENTRY: 2 x M20 or M25.
 For 1/2" or 3/4"NPT requirements, male female adapter glands are available. Contact sales dept for further part codes.

CURRENT CONSUMPTION: Sounder 250 mA - 1500 mA (Adjustable by tone selection)



Combination	No Key Slots	'L'
SL150-2	6	450.0
SL150-3 (-2J or P)	8	619.0
SL150-4 (-3J or P)	10	788.0
SL150-5 (-4J or P)	12	957.0

Accessories

- 50023: Cage Guard (Stainless Steel)
- 50200: M20 E1EX Nickel Plated Brass Gland (Multi Armour Cone) Atex Cat 2 & 3, EExde IIC 2 GD
 Cable ID 11 - 15.5mm
 OD 14.5 - 21mm
 Gland for Multi Armoured Cable *
- 50201: M20 A2EX Nickel Plated Brass Gland Atex Cat 2 & 3, EExde IIC 2 GD
 Cable OD 11 - 15.5mm
 Gland for Unarmoured Cable *
- 50202: M20 E1EX-QS Nickel Plated Brass Gland (Ex d IIC, Ex e IIC, Ex nR IIC, Ex tb IIIC)
 Cable OD 14.5 - 20.5mm
 Barrier Gland for Steel and Aluminium Armoured Cable *
- 50203: M20 A2EX Quick Stop Nickel Plated Brass Gland (Ex d IIC, Ex nR IIC, Ex tb IIC)
 Cable OD 9 - 15mm
 Barrier Gland for Unarmoured Cable *
- 50204: M20 Nickel Plated Brass Stopping Plug Atex EExde I/IIC
 Standard M20 Blanking Plug
- 50221: Epoxy Minute Adhesive 24m/l tube
 One tube sufficient for five barrier glands

* 25mm Thread length for GRP products
 Note: M25 options available for the above

SL150 Series > Working Current

Power Consumption: Sounder: 5-20W & LED: 5W

Xenon	2.5 Joule	5 Joule	10 Joule	15 Joule	20 Joule
	4 W (Max)	10 W (Max)	15 W (Max)	20 W (Max)	25 W (Max)

Working Current: Sounder: 250 mA - 1500 mA & LED: 220 mA (Max)

Xenon	2.5 Joule	5 Joule	10 Joule	15 Joule	20 Joule
	160 mA	320 mA	650 mA	1A (Max)	1.4A (Max)

LED

POWER	12v Dc	24v Dc	48v Dc	110v Ac	220v Ac
5 W	530 mA	260 mA	120 mA	80 mA	40 mA
10 W	1100 mA	530 mA	240 mA	160 mA	80 mA