SSL series

LED Signal Lights for Container Spreaders

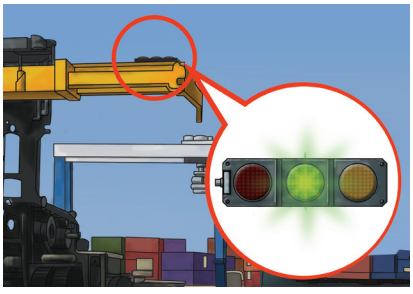
IP68 -30~+60℃

Provides excellent durability to extreme vibration and shock

Suitable for container spreader, harbor loading equipment, and outdoor conveyor applications

SSL100W/ SSL200W
SSL300W/ SSL400W

SSL100M/ SSL200M
SSL300M/ SSL400M



SSL LED Steady Signal Lights for Container Spreaders

- Special anti-reflective lens applied to avoid mistaking the reflected sun light as a signal light (W type)
- M type has excellent visibility from a distance with clear and distinctive layer colors
- Superior durability in extreme vibration and shock thanks to a molded assembly process instead of conventional bolt fastened assembly method
- Customized color arrangement available(Lens color configuration is initiated from the side of cable entry)
- Materials : Housing-Al, Lens-PC
- Protection rating : IP68 (IEC60529)

Specification

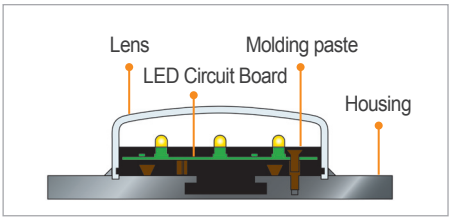
Model number	Voltage	Current	Certificates	Weight	Cable entry	Color
SSL100	DC12V	0.280A	-	1.80kg	M12-5PIN C10-Cable (Customization)	● R-Red
	DC24V	0.151A		1.80kg		
	AC110V	0.040A		1.85kg		
	AC220V	0.040A		1.85kg		
SSL200	DC12V	0.560A		2.15kg		● R-Red ● G-Green
	DC24V	0.302A		2.15kg		
	AC110V	0.080A		2.20kg		
	AC220V	0.080A		2.20kg		
SSL300	DC12V	0.840A		2.50kg		● R-Red ● A-Amber ● G-Green
	DC24V	0.453A		2.50kg		
	AC110V	0.120A		2.55kg		
	AC220V	0.120A		2.55kg		
SSL400	DC12V	1.120A		2.95kg		● R-Red ● A-Amber ● G-Green ● B-Blue
	DC24V	0.604A		2.95kg		
	AC110V	0.160A		3.00kg		
	AC220V	0.160A		3.00kg		

SSL series Vibration and Shock Test Conditions

Axial direction	Direction X	Direction Y	Direction Z
Vibration test conditions	10-38 Hz, 3.5mm 38-500 Hz, 20g 1 oct/min, 2 hours	10-38 Hz, 3.5mm 38-500 Hz, 20g 1 oct/min, 2 hours	10-38 Hz, 3.5mm 38-500 Hz, 20g 1 oct/min, 2 hours
Shock test conditions	50g 6 ms ±1000 shocks	50g 6 ms ±1000 shocks	50g 6 ms ±1000 shocks

Ordering Specification

SSL100W	-	24	-	R
[Model number]		[Voltage]		[Color]
• SSL100W • SSL100M • SSL200W • SSL200M • SSL300W • SSL300M • SSL400W • SSL400M		• 12-DC12V • 24-DC24V • 110-AC110V • 220-AC220V		● R-Red ● A-Amber ● G-Green ● B-Blue



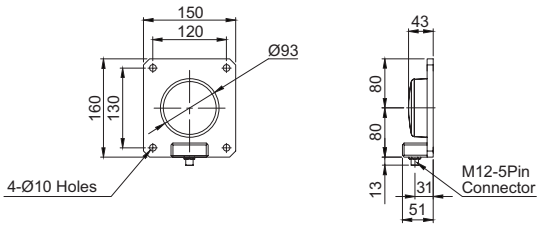
Cross-section of lens structure

SSL series has high resistance to vibration and shock by sealing the housing, lens, and LED circuit board together with epoxy mold compound.

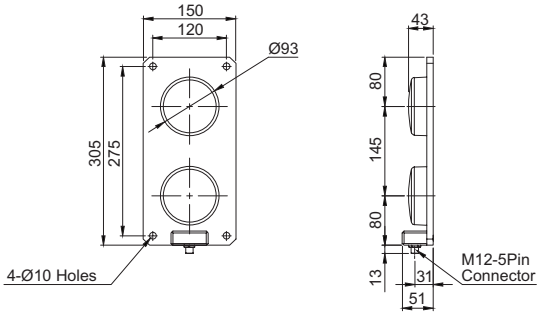
(Units : mm)

Technical Diagram

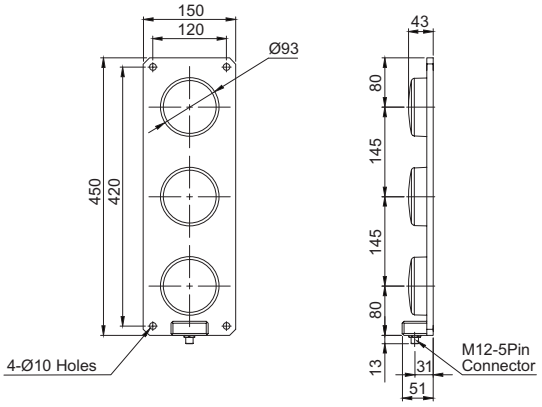
SSL100W/ SSL100M



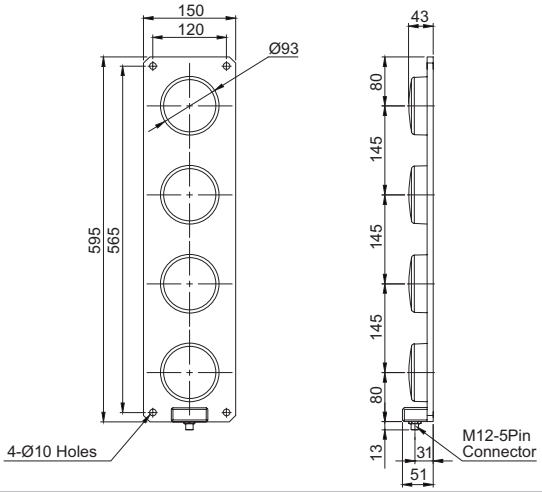
SSL200W/ SSL200M



SSL300W/ SSL300M

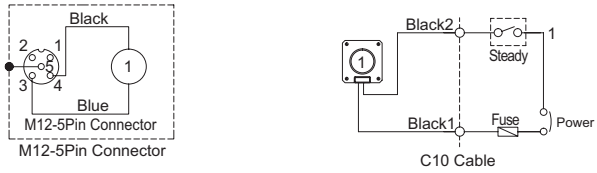


SSL400W/ SSL400M



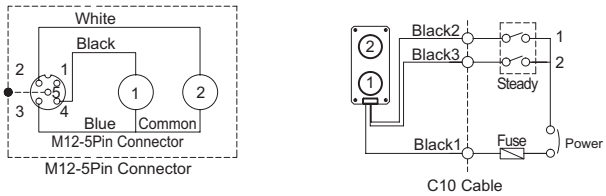
Wiring Instructions(External Contact)

SSL100W-AC/DC
SSL100M-AC/DC



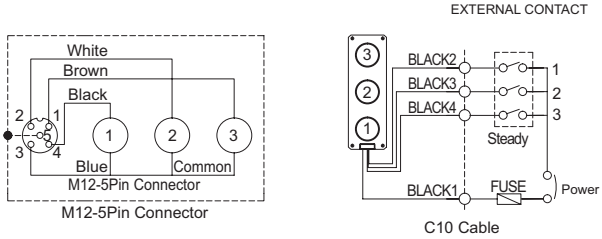
- **M12-5PIN connector type**
  Pin no. 3 is common, however equipped built-in Bridge circuit, power line can be wired to Pin no.3 or 4 regardless of polarity
- **C10 CABLE TREADING TYPE**
  Treading power line, signal line standard : 7G×0.5mm² 600V/80°C I WIRE 1,000mm treading

SSL200W-AC/DC
SSL200M-AC/DC



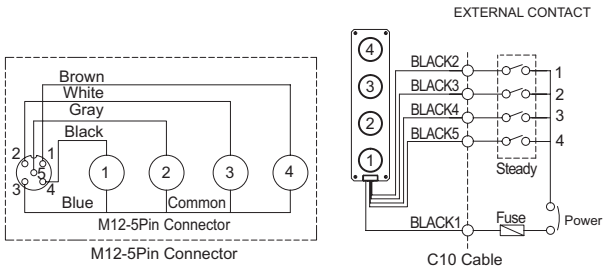
- **M12-5PIN connector type**
  Pin no. 3 is common, however equipped built-in Bridge circuit, power line can be wired to Pin no.3 or 1, 4 regardless of polarity
- **C10 CABLE TREADING TYPE**
  Treading power line, signal line standard : 7G×0.5mm² 600V/80°C I WIRE 1,000mm treading

SSL300W-AC/DC
SSL300M-AC/DC



- **M12-5PIN connector type**
  Pin no. 3 is common, however equipped built-in Bridge circuit, power line can be wired to Pin no.3 or 1, 2, 4 regardless of polarity
- **C10 CABLE TREADING TYPE**
  Treading power line, signal line standard : 7G×0.5mm² 600V/80°C I WIRE 1,000mm treading

SSL400W-AC/DC
SSL400M-AC/DC



- **M12-5PIN connector type**
  Pin no. 3 is common, however equipped built-in Bridge circuit, power line can be wired to Pin no. 3 and pin no. 1, 2, 4, 5 regardless of polarity
- **C10 CABLE TREADING TYPE**
  Treading power line, signal line standard : 7G×0.5mm² 600V/80°C I WIRE 1,000mm treading