



OMNIDIRECTIONAL OUTDOOR DISPLAY

LUSO TYPE



FEATURES

■ Omnidirectional outdoor display

This is a 360° display with no blind spots, and can be used for a wide range of applications, including opening/closing indications for circuit breakers, testing equipment, production equipment, parking lots, etc.

■ Uses resin with excellent weather resistance

The lenses are made of high-performance polycarbonate resin that can withstand outdoor use, allowing them to maintain vivid colors for a long time.

■ High brightness LED type

It uses high-brightness LEDs that can be identified even during the day, achieving a long life.

SPECIFICATIONS (RATINGS, PERFORMANCE)

Specification \ Type	LUSO (LED TYPE)
Rated insulation voltage (UI)	250V
Rated operational voltage (Ith)	48V DC, 100/110V AC/DC, 100/110V DC, 100/110V AC, 200/220V AC
Power-Frequency withstand voltage	2,500V AC / 1 min. (Whole live part to mounting panel)
Rated impulse withstand voltage	±7kV / 3 times for each pole (1.2 / 50μs) (Whole live part to mounting panel)
Insulation resistance	1,000MΩ or more (Whole live part to mounting panel)
Shock resistance	50G
Ambient operating temperature	−25 to 55°C
Storing temperature	−30 to 100°C
Condition of use	2,000m max, outdoor use is possible. (excluding areas with salt damage)

HOW TO ORDER Select from the following product coding.

LUSO-A RG DC04

Basic type

Type

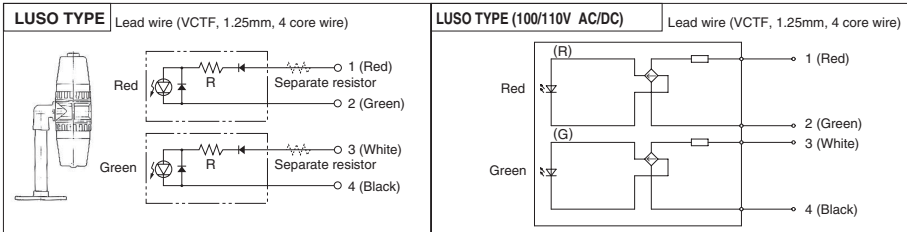
Lens color

Power supply voltage

Power supply voltage	TYPE A	TYPE C	TYPE D	TYPE E	TYPE F	TYPE H	TYPE CH
48V DC	LUSO-A RG DC04	LUSO-C RG DC04	LUSO-D RG DC04	LUSO-E RG DC04	LUSO-F RG DC04	LUSO-H RG DC04	LUSO-CH RG DC04
100 / 110V DC	LUSO-A RG DC11	LUSO-C RG DC11	LUSO-D RG DC11	LUSO-E RG DC11	LUSO-F RG DC11	LUSO-H RG DC11	LUSO-CH RG DC11
100 / 110V AC	LUSO-A RG AC11	LUSO-C RG AC11	LUSO-D RG AC11	LUSO-E RG AC11	LUSO-F RG AC11	LUSO-H RG AC11	LUSO-CH RG AC11
200 / 220V AC	LUSO-A RG AC22	LUSO-C RG AC22	LUSO-D RG AC22	LUSO-E RG AC22	LUSO-F RG AC22	LUSO-H RG AC22	LUSO-CH RG AC22
100 / 110V (AC·DC Common)	LUSO-A RG 100/110	LUSO-C RG 100/110	LUSO-D RG 100/110	LUSO-E RG 100/110	LUSO-F RG 100/110	LUSO-H RG 100/110	LUSO-CH RG 100/110

OPERATIONAL INTRODUCTION

● Circuit diagram



● Rated operational voltage and LED lamp specification

Rated operational voltage (lth)	LED lamp	Separate resistor	Note
48V DC	48V DC	Unnecessary	—
100 / 110V DC	70V DC	1.2KΩ(10W or more)^{*1}	Separate resistors (With 2 peaces)
100 / 110V AC	110V AC	1.2KΩ(10W or more)^{*1}	—
200 / 220V AC	110V AC	3KΩ(10W or more)^{*1}	Separate resistors (With 2 peaces)
100 / 110V (AC·DC Common)	100/110V AC/DC	3KΩ(10W or more)^{*2}	—

* Circuit connection of separately mounted resistors for 100/110 DC and 200/220V AC.

* AC/DC common use specification with LED diode bridge.

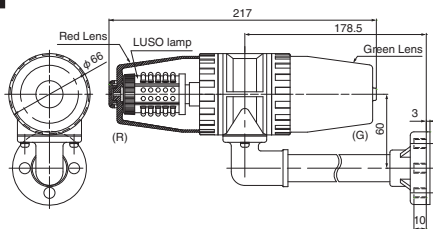


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STANDARD PRODUCTS

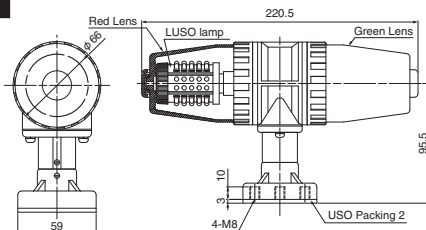
LUSO-A RG Voltage



● Mounting hole size



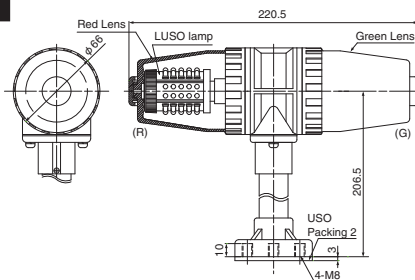
LUSO-C RG Voltage



● Mounting hole size



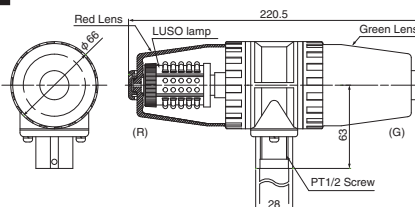
LUSO-D RG Voltage



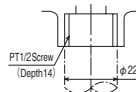
● Mounting hole size



LUSO-E RG Voltage

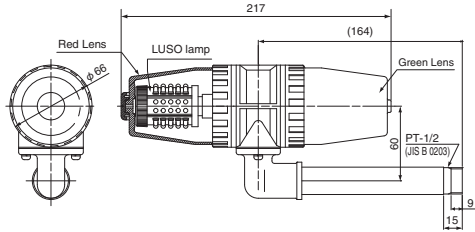


● Mounting hole size

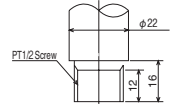


PILOT LAMP & INDICATOR

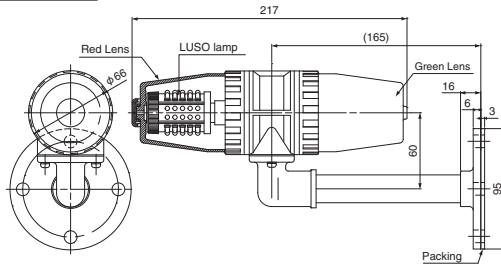
LUSO-F RG Voltage



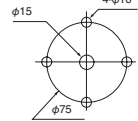
● Mounting hole size



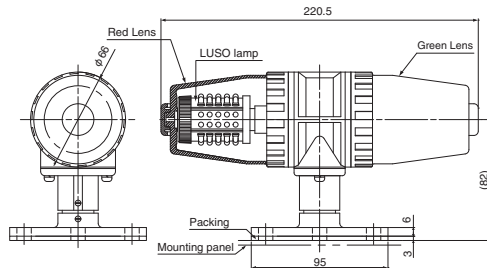
LUSO-H RG Voltage



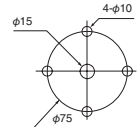
● Mounting hole size



LUSO-CH RG Voltage



● Mounting hole size





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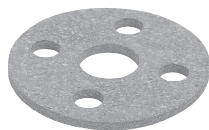
ACCESSORIES

Lens



Color	Type	Applicable type
Red	USO lens-C R	All type
Green	LUSO lens-C G	LUSO-C, D, E and CH
	USO lens LG	LUSO-A, F and H

Packing



Material : Cork rubber

Type	Applicable type
USO packing 2	LUSO-A, C and D
USO packing H	USO-H and CH

LED unit



Rated operational voltage	Type	
	Red	Green
48V DC	LUSO lump DC48V R	LUSO lump DC48V Y
100/110V DC	LUSO lump DC70V R	LUSO lump DC70V Y
100/110V AC	LUSO lump AC110V R	LUSO lump AC110V Y
200/220V AC	LUSO lump AC110V R	LUSO lump AC110V Y
100/110V (AC-DC Common)	LUSO lump 100/110 R	LUSO lump 100/110 Y