

STD Series

A variety of pre-recorded sound patterns-warning sounds, melodies, and alarms



STD Series

PRODUCT SPECIFICATION

STDL

Materials Lens-AS, Cover-ABS, Housing-ABS, Reflector-Heat resistant ABS

Ambient operating temperature -30°C to +50°C

Protection rating IP54

Standard color arrangements

1 Layer: ● Red

2Layers: ● Red ● Green

3Layers: ● Red ● Amber ● Green

4Layers: ● Red ● Amber ● Green ● Blue

5Layers: ● Red ● Amber ● Green ● Blue ○ Clear White

Flashing rate 60-80/min

Compliant with RoHS directive

- LED steady/flashing mode
- Available for customized color arrangements
- Ø80mm stackable light and electric horn combination provides both audible and visual signaling capability in one unit
- Appropriate sound tones can be chosen depending on the various working environment among various available sound tones
- 5 selectable sound pattern combinations(5 warning sounds, 5 special warning sounds, 5 melodies, 5 alarms)
- WV type: Input audio message needs to be provided to us by the customer prior to manufacturing

STDL LED Steady/Flashing Tower Light & Electric Horn

Model number	Layer	Voltage	Sound pattern and volume	Certificates	Weight	Color
STDL Steady STDLF Steady/Flashing	1	DC12V	·WS-5 Warning sounds: Max.105dB ·WM-5 Melodies: Max.103dB ·WA-5 Alarms: Max.103dB ·WV-5 Customizable sounds : 91-100dB	CE	0.80kg	● R-Red
		DC24V			0.80kg	
		AC110V			1.39kg	
		AC220V			1.39kg	
	2	DC12V			0.91kg	● R-Red ● G-Green
		DC24V			0.91kg	
		AC110V			1.36kg	
		AC220V			1.36kg	
	3	DC12V			1.05kg	● R-Red ● A-Amber ● G-Green
		DC24V			1.05kg	
		AC110V			1.49kg	
		AC220V			1.49kg	
	4	DC12V			1.16kg	● R-Red ● A-Amber ● G-Green ● B-Blue
		DC24V			1.16kg	
		AC110V			1.61kg	
		AC220V			1.61kg	
	5	DC12V			1.30kg	● R-Red ● A-Amber ● G-Green ● B-Blue ○ W-White
		DC24V			1.30kg	
		AC110V			1.74kg	
		AC220V			1.74kg	

※ CE compliant: DC24V

※ Max.built-in volume feature is based on WS-Ch3 / WM-Ch4 / WA-Ch1.

※ In case of customized WV 5 tone type, there may be difference of volume depending on user's audio file type.

※ Please refer to [Sound tone and combination for standard product] on this catalogue for detailed sound tone specification.

Light source/signal sound current(based on 1 layer)

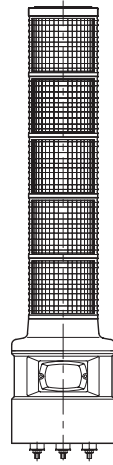
Voltage	DC12V	DC24V	AC110V	AC220V
Light source current(1 layer)	0.160A	0.095A	0.070A	0.055A
Signal sound current	0.280A	0.210A	0.085A	0.045A



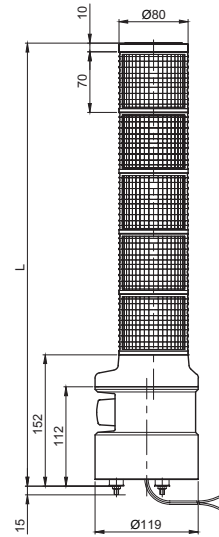
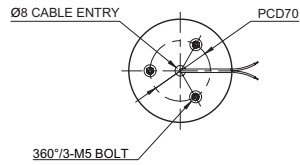
Technical Diagram

Units: mm

·STDL / STDLF



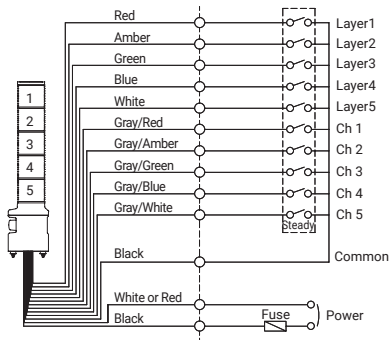
LAYER	L
1	232
2	302
3	372
4	442
5	512



Wiring Instructions

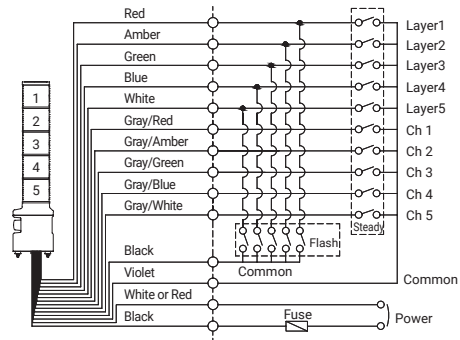
·STDL-DC/AC(Steady)

External Contact



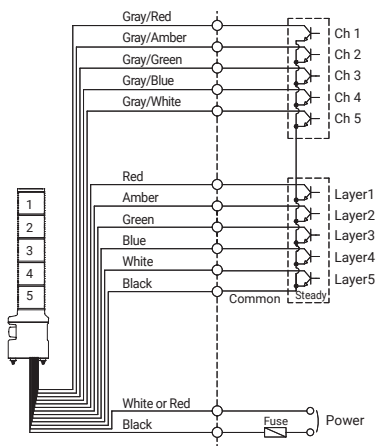
·STDLF-DC/AC(Steady/Flashing)

External Contact



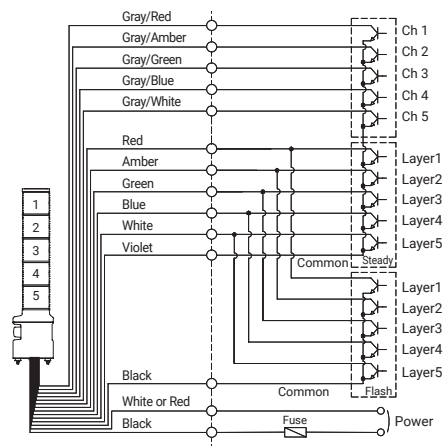
·STDL-DC/AC(Steady)

External transistor-NPN



·STDLF-DC/AC(Steady/Flashing)

External transistor-NPN



- External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- External signal line UL1007 AWG22(0.3sq) 400mm
- This product can be wired regardless of polarity.



Do not apply a voltage to each signal line. It may cause damage to the product

- STDL / STDLF model wiring can be done with either External Contact or External transistors.
- In case of wiring by using transistor, NPN transistor is needed and follow the wiring diagram on the right in order to wire properly.

STD Series

Customization

Model number	Lens Diameter	Lens Height	Light Mode	Tower Light Part Model
STD56EL(F)	Ø56mm	40mm	LED Steady/Flashing	ST56EL
STD56L(F)	Ø56mm	70mm	LED Steady/Flashing	ST56L
STDEL(F)	Ø80mm	40mm	LED Steady/Flashing	ST80EL

- Customized light sources and light mode
- Customized color arrangements available
- Wall mount brackets
- Optional 8 harmonies(Model number: STD56EL(F), STD56L(F), STDEL(F), STD56B Series, STD80B Series, STD80EL Series)

Ordering Specification

STD L	-	WA	-	3	-	220	-	RAG
[Model number]		[Sounds]		[Layer]		[Voltage]		[Color]
STD L		WS-Warning		1-1Layer		12-DC12V		● R-Red
STD L F		WM-Melody		2-2Layers		24-DC24V		● A-Amber
		WA-Alarm		3-3Layers		110-AC110V		● G-Green
		WV-Customizable sound		4-4Layers		220-AC220V		● B-Blue
				5-5Layers				○ W-White