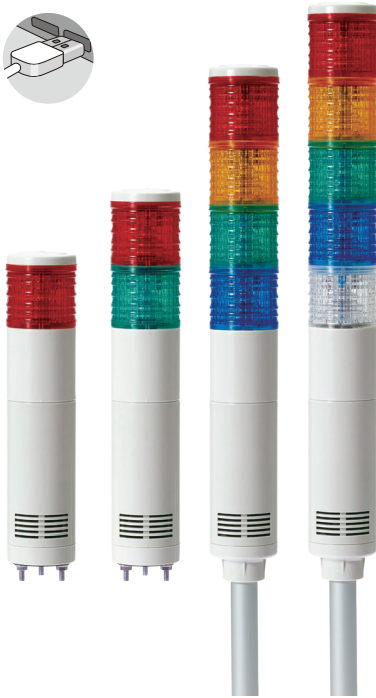
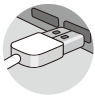


# ST45(M)L-USB

Connected to PC USB port without power supply unit



ST45(M)L-USB Series

## PRODUCT SPECIFICATION

ST45(M)L-USB  
ST56, 80(M)EL-USB

**Buzzer sounds** Max.90dB at 1m  
**Warning sounds** Max.85dB at 1m(Based on WS-Ch1)  
**Protection rating** IP23  
**Compliant with RoHS directive**

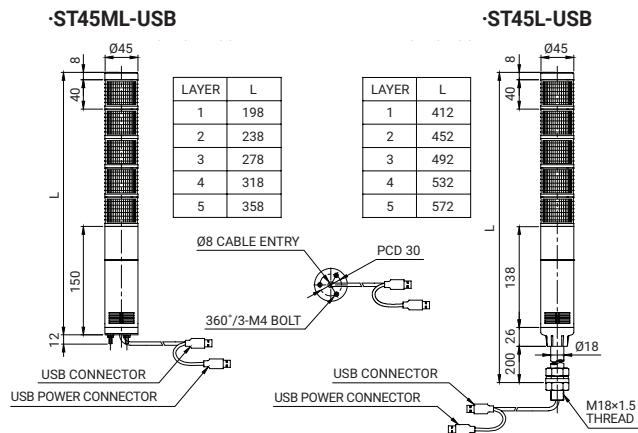
- Software controls the steady/flashing function
  - USB control port and power supply port are provided with product
  - The number of activated LED lights are limited to the capacity of USB port current
  - Multiple connections on 1 PC is optionally available (up-to 4 units)
  - LED module Standard Operation
- 2 layers will operate at the same time : ST56EL-USB / ST56MEL-USB / ST80EL-USB / ST80MEL-USB
- 3 layers will operate at the same time : ST45L-USB / ST45ML-USB

## ST45L-USB Ø45mm Pole Mount USB LED Tower Light

Model number	Layers	Certificates	Color
ST45L-USB-BZ	5 Buzzer sounds	1 layer	1 layer: ● R
ST45L-USB-WS	5 Warning sounds	2 layers	2 layers: ● R ● G
ST45L-USB-WM	5 Melodies	3 layers	3 layers: ● R ● A ● G
ST45L-USB-WA	5 Alarms	4 layers	4 layers: ● R ● A ● G ● B
		5 layers	5 layers: ● R ● A ● G ● B ● W

## Technical Diagram

Units : mm



## ST45ML-USB Ø45mm Direct Mount USB LED Tower Light

Model number	Layers	Certificates	Color
ST45ML-USB-BZ	5 Buzzer sounds	1 layer	1 layer: ● R
ST45ML-USB-WS	5 Warning sounds	2 layers	2 layers: ● R ● G
ST45ML-USB-WM	5 Melodies	3 layers	3 layers: ● R ● A ● G
ST45ML-USB-WA	5 Alarms	4 layers	4 layers: ● R ● A ● G ● B
		5 layers	5 layers: ● R ● A ● G ● B ● W

## Ordering Specifications

ST45L-USB-BZ	-	3	-	RAG	-	LW18
[Model number]		[Layers]		[Color]		[Bracket]
ST45L-USB-BZ		1-1 Layer		● R-Red		None-Standard
ST45L-USB-WS		2-2 Layers		● A-Amber		Bracket
ST45L-USB-WM		3-3 Layers		● G-Green		-LB18 -LW18
ST45L-USB-WA		4-4 Layers		● B-Blue		-QZ18 -SZ18
ST45ML-USB-BZ		5-5 Layers		○ W-White		-QL18 -SL18
ST45ML-USB-WS						
ST45ML-USB-WM						
ST45ML-USB-WA						

## Mounting bracket

Standard LB18 LW18 QZ18



Steel Steel ABS ABS

SZ18 QL18 SL18



AI ABS AI

※ Please refer to [Tower Light Mounting Bracket] on this catalogue for detailed dimensions

## Customization

- Customized color arrangement available
- Customized pole length available
- Wall mount bracket



Wall mount bracket TWS45



Wall mount bracket TWA45

## Ø56mm USB LED Tower Lights

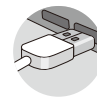
# ST56(M)EL-USB



Connected to PC USB port without power supply unit

### ST56EL-USB Ø56mm Pole Mount USB LED Tower Light

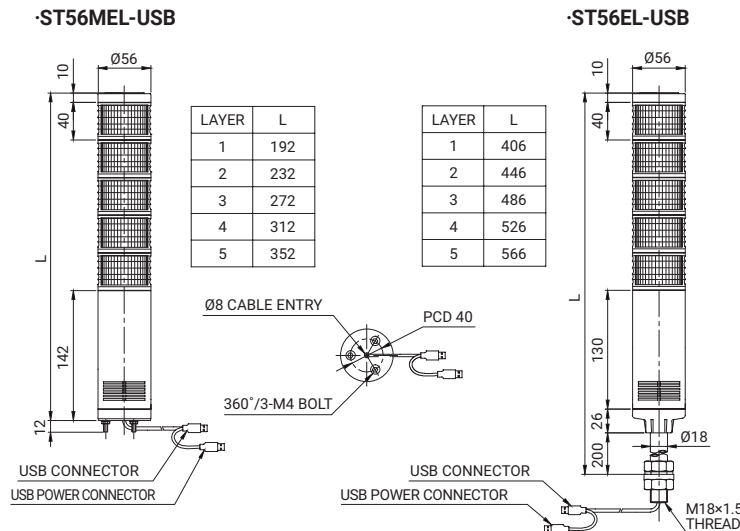
Model number		Layers	Certificates	Color
ST56EL-USB-BZ	5 Buzzer sounds	1 layer	CE	1 layer: R
ST56EL-USB-WS	5 Warning sounds	2 layers		2 layers: R G
ST56EL-USB-WM	5 Melodies	3 layers		3 layers: R A G
ST56EL-USB-WA	5 Alarms	4 layers		4 layers: R A G B
		5 layers		5 layers: R A G B W



ST56(M)EL-USB Series

### Technical Diagram

Units : mm



### ST56MEL-USB Ø56mm Direct Mount USB LED Tower Light

Model number		Layers	Certificates	Color
ST56MEL-USB-BZ	5 Buzzer sounds	1 layer	CE	1 layer: ● R
ST56MEL-USB-WS	5 Warning sounds	2 layers		2 layers: ● R ● G
ST56MEL-USB-WM	5 Melodies	3 layers		3 layers: ● R ● A ● G
ST56MEL-USB-WA	5 Alarms	4 layers		4 layers: ● R ● A ● G ● B
		5 layers		5 layers: ● R ● A ● G ● B ○ W

### Mounting bracket

Standard	LB18	LW18	QZ18	SZ18	QL18	SL18
Steel	Steel	ABS	ABS	Al	ABS	Al

※ Please refer to [Tower Light Mounting bracket] on this catalogue for detailed dimensions

### Wiring Instructions

- Connect both USB connector and USB power connector to PC



### Ordering Specifications

ST56EL-USB-WS	-	3	-	RAG	-	QL18
[Model number]		[Layers]		[Color]		[Bracket]
ST56EL-USB-BZ		1-1 Layer		● R-Red		None-Standard
ST56EL-USB-WS		2-2 Layers		● A-Amber		Bracket
ST56EL-USB-WM		3-3 Layers		● G-Green		-LB18 -LW18
ST56EL-USB-WA		4-4 Layers		● B-Blue		-QZ18 -SZ18
ST56MEL-USB-BZ		5-5 Layers		○ W-White		-QL18 -SL18
ST56MEL-USB-WS						
ST56MEL-USB-WM						
ST56MEL-USB-WA						

※ Mount brackets are available for the pole mount type(ST56EL-USB series) only.

### Customization

- Customized color arrangement available
- Customized pole length available
- 70mm lens height(Standard: 40mm)
- Wall mount bracket



## Ø80mm USB LED Tower Lights

# ST80(M)EL-USB

Connected to PC USB port without power supply unit



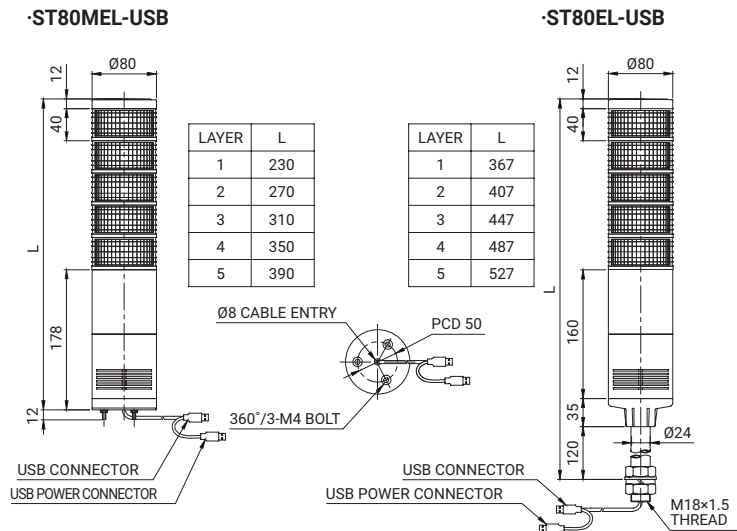
ST80(M)EL-USB Series

### ST80EL-USB Ø80mm Pole Mount USB LED Tower Light

Model number	Layers	Certificates	Color
ST80EL-USB-BZ	5 Buzzer sounds	1 layer	1 layer: R
ST80EL-USB-WS	5 Warning sounds	2 layers	2 layers: R G
ST80EL-USB-WM	5 Melodies	3 layers	3 layers: R A G
ST80EL-USB-WA	5 Alarms	4 layers	4 layers: R A G B
	5 layers		5 layers: R A G B W

### Technical Diagram

Units : mm

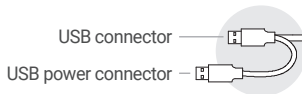


### ST80MEL-USB Ø80mm Direct Mount USB LED Tower Light

Model number	Layers	Certificates	Color
ST80MEL-USB-BZ	5 Buzzer sounds	1 layer	1 layer: R
ST80MEL-USB-WS	5 Warning sounds	2 layers	2 layers: R G
ST80MEL-USB-WM	5 Melodies	3 layers	3 layers: R A G
ST80MEL-USB-WA	5 Alarms	4 layers	4 layers: R A G B
	5 layers		5 layers: R A G B W

### Wiring Instructions

- Connect both USB connector and USB power connector to PC



### Mounting bracket

Standard	LB24	LW24	QZ24
Steel	Steel	ABS	ABS
SZ24	QL24	SL24	
AI	ABS	AI	

※ Please refer to [Tower Light Mounting Bracket] on this catalogue for detailed dimensions

### Customization

- Customized color arrangements
- 70mm lens height(Standard 40mm)
- Customized pole length available
- Wall mount bracket



### Ordering Specifications

ST80EL-USB-WS	-	3	-	RAG	-	QL24
[Model number]		[Layers]		[Color]		[Bracket]
ST80EL-USB-BZ		1-1 Layer		R-Red		None-Standard
ST80EL-USB-WS		2-2 Layers		A-Amber		Bracket
ST80EL-USB-WM		3-3 Layers		G-Green		-LB24 -LW24
ST80EL-USB-WA		4-4 Layers		B-Blue		-QZ24 -SZ24
ST80MEL-USB-BZ		5-5 Layers		W-White		-QL24 -SL24
ST80MEL-USB-WS						
ST80MEL-USB-WM						
ST80MEL-USB-WA						

※ Mount brackets are available for the pole mount type(ST80EL-USB series) only.