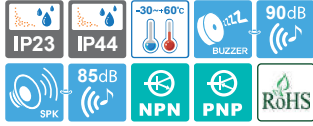


ST80MEL

Ø80mm LED Steady/Flashing Tower Lights



ST80MEL series

Built-in buzzer output holes formed on the housing of the product.



Substitute model numbers for discontinued model

Built-in signal sound type, ST80MEL-WS, ST80MEL-WM, ST80MEL-WA are substituted for old model number ST80WMEL. All specifications such as diameter and functions are all the same.

ST80MEL Ø80mm Direct Mount, LED Steady/Flashing

Model number	Layer	Voltage	Current	Certificates	Weight	Color
ST80MEL ST80MEL-BZ ST80MEL-WS ST80MEL-WM ST80MEL-WA ST80MELF ST80MELF-BZ ST80MELF-WS ST80MELF-WM ST80MELF-WA	1	AC/DC12V	0.080A	CE DC24V only UL DC24V only (buzzer type)	0.36kg	● R-Red
		AC/DC24V	0.040A		0.36kg	
		AC110V	0.046A		0.59kg	
		AC220V	0.023A		0.59kg	
	2	AC/DC12V	0.160A		0.45kg	● R-Red ● G-Green
		AC/DC24V	0.080A		0.45kg	
		AC110V	0.051A		0.68kg	
	3	AC/DC12V	0.240A		0.55kg	● R-Red ● A-Amber ● G-Green
		AC/DC24V	0.120A		0.55kg	
		AC110V	0.057A		0.76kg	
		AC220V	0.028A		0.76kg	
	4	AC/DC12V	0.320A		0.64kg	● R-Red ● A-Amber ● G-Green ● B-Blue
		AC/DC24V	0.160A		0.64kg	
		AC110V	0.064A		0.87kg	
		AC220V	0.032A		0.87kg	
5	AC/DC12V	0.400A	0.73kg	● R-Red ● A-Amber ● G-Green ● B-Blue ● W-White		
	AC/DC24V	0.200A	0.73kg			
	AC110V	0.071A	0.96kg			
	AC220V	0.035A	0.96kg			

- ST80MEL Steady
- ST80MEL-BZ Built-in buzzer, Steady
- ST80MEL-WS Built-in 5 Warning sounds, Steady
- ST80MEL-WM Built-in 5 Melodies, Steady
- ST80MEL-WA Built-in 5 Alarms, Steady
- ST80MELF Steady/ flashing
- ST80MELF-BZ Built-in buzzer, Steady/ flashing
- ST80MELF-WS Built-in 5 Warning sounds, Steady/ flashing
- ST80MELF-WM Built-in 5 Melodies, Steady/ flashing
- ST80MELF-WA Built-in 5 Alarms, Steady/ flashing

* Please refer to page 24 for detailed information about selectable sound patterns.

Signal/ Audible Line Current(per each layer)

Voltage	AC/DC12V	AC/DC24V	AC110V	AC220V
Signal Line Current	0.080A	0.040A	0.046A	0.023A
Audible Line Current	0.016A	0.031A	0.027A	0.030A

Customization

- AC type each layer power provided(same wiring DC steady)
- DC24V voltage UL listed product
- 2 buzzer sound types : Both prolonged (beep, beep) and staccato (beep, beep, beep) buzzer output available
- Wall mount bracket options : Bracket structure allows for threading through the bracket hole or into the wall

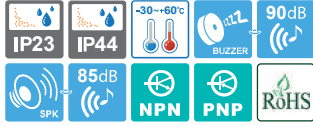


Ordering Specification

ST80MEL	-	3	-	24	-	RAG
[Model number]		[Layer]		[Voltage]		[Color]
<ul style="list-style-type: none"> • ST80MEL • ST80MEL-BZ • ST80MEL-WS • ST80MEL-WM • ST80MEL-WA • ST80MELF • ST80MELF-BZ • ST80MELF-WS • ST80MELF-WM • ST80MELF-WA 		<ul style="list-style-type: none"> • 1-1Layer • 2-2Layers • 3-3Layers • 4-4Layers • 5-5Layers 		<ul style="list-style-type: none"> • 12-DC12V • 24-DC24V • 110-AC110V • 220-AC220V 		<ul style="list-style-type: none"> • R-Red • A-Amber • G-Green • B-Blue • W-White

ST80EL

Ø80mm LED Steady/Flashing Tower Lights



ST80EL series

Built-in buzzer output holes formed on the housing of the product.



Substitute model numbers for discontinued model

Built-in signal sound type, ST80EL-WS, ST80EL-WM, ST80EL-WA are substituted for old model number ST80WEL. All specifications such as diameter and functions are all the same.

Mounting Bracket

Standard	LB24	LW24	QZ24
Steel	Steel	PC	PC
SZ24	QL24	SL24	QLA24
Al	PC	Al	PC

※ Please refer to page 34-39 for detailed dimensions.

ST80EL Ø80mm Pole Mount, LED Steady/Flashing

Model number	Layer	Voltage	Current	Certificates	Weight	Color
ST80EL ST80EL-BZ ST80EL-WS ST80EL-WM ST80EL-WA ST80ELF ST80ELF-BZ ST80ELF-WS ST80ELF-WM ST80ELF-WA	1	AC/DC12V	0.080A	CE DC24V only UL DC24V only (buzzer type)	0.58kg	● R-Red
		AC/DC24V	0.040A		0.58kg	
		AC110V	0.046A		0.81kg	
		AC220V	0.023A		0.81kg	
	2	AC/DC12V	0.160A		0.67kg	● R-Red ● G-Green
		AC/DC24V	0.080A		0.67kg	
		AC110V	0.051A		0.91kg	
	3	AC/DC12V	0.240A		0.77kg	● R-Red ● A-Amber ● G-Green
		AC/DC24V	0.120A		0.77kg	
		AC110V	0.057A		1.00kg	
		AC220V	0.028A		1.00kg	
	4	AC/DC12V	0.320A		0.86kg	● R-Red ● A-Amber ● G-Green ● B-Blue
		AC/DC24V	0.160A		0.86kg	
		AC110V	0.064A		1.09kg	
		AC220V	0.032A		1.09kg	
5	AC/DC12V	0.400A	0.95kg	● R-Red ● A-Amber ● G-Green ● B-Blue ● W-White		
	AC/DC24V	0.200A	0.95kg			
	AC110V	0.071A	1.19kg			
	AC220V	0.035A	1.19kg			

- ST80EL Steady
- ST80EL-BZ Built-in buzzer, Steady
- ST80EL-WS Built-in 5 Warning sounds, Steady
- ST80EL-WM Built-in 5 Melodies, Steady
- ST80EL-WA Built-in 5 Alarms, Steady
- ST80ELF Steady/ flashing
- ST80ELF-BZ Built-in buzzer, Steady/ flashing
- ST80ELF-WS Built-in 5 Warning sounds, Steady/ flashing
- ST80ELF-WM Built-in 5 Melodies, Steady/ flashing
- ST80ELF-WA Built-in 5 Alarms, Steady/ flashing

※ Please refer to page 24 for detailed information about selectable sound patterns.

Signal/ Audible Line Current(per each layer)

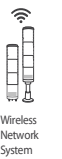
Voltage	AC/DC12V	AC/DC24V	AC110V	AC220V
Signal line current	0.080A	0.040A	0.046A	0.023A
Audible line current	0.016A	0.031A	0.027A	0.030A

Customization

- 2 buzzer sound types : Both prolonged (beep, beep) and staccato (beep, beep, beep) buzzer output available
- AC type each layer power provided(same wiring DC steady)
- DC24V voltage UL listed product
- Customized pole length available

Ordering Specification

ST80EL	-	3	-	220	-	RAG	-	LW24
[Model number]		[Layer]		[Voltage]		[Color]		[Mounting bracket]
• ST80EL • ST80EL-BZ • ST80EL-WS • ST80EL-WM • ST80EL-WA • ST80ELF • ST80ELF-BZ • ST80ELF-WS • ST80ELF-WM • ST80ELF-WA		• 1-1Layer • 2-2Layers • 3-3Layers • 4-4Layers • 5-5Layers		• 12-DC12V • 24-DC24V • 110-AC110V • 220-AC220V		• R-Red • A-Amber • G-Green • B-Blue • W-White		• None • Standard • Bracket • LB24 • LW24 • QZ24 • SZ24 • QL24 • SL24 • QLA24



ST80MEL/ ST80EL

Ø80mm LED Steady/Flashing Tower Lights

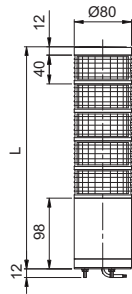


Technical Diagram

(Units : mm)



ST80MEL : AC/DC
ST80MELF : AC/DC



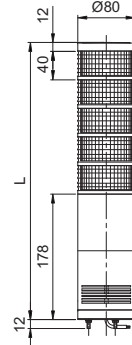
LAYER	L
1	150
2	190
3	230
4	270
5	310



ST80MEL-BZ : AC/DC
ST80MELF-BZ : AC/DC



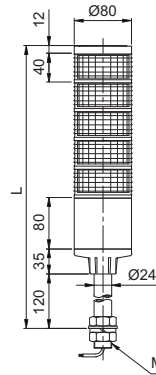
ST80MEL-W□
ST80MELF-W□



LAYER	L
1	230
2	270
3	310
4	350
5	390



ST80EL : AC/DC
ST80ELF : AC/DC

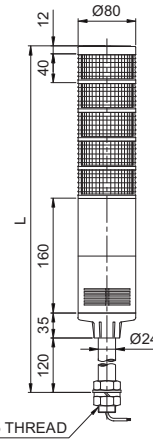


LAYER	L
1	287
2	327
3	367
4	407
5	447

ST80EL-BZ : AC/DC
ST80ELF-BZ : AC/DC



ST80EL-W□
ST80ELF-W□



LAYER	L
1	367
2	407
3	447
4	487
5	527



Wiring Instructions

- External power line standard : UL1015 AWG18(0.75sq)×2C 400mm
 - Signal line standard : UL1007 AWG22(0.3sq) 400mm
 - LED tower light can be wired by using transistor and external contact
- ※ Please refer to page 299-300 for detailed wiring instructions.