

# Ø45mm Bulb Steady/Flashing Tower Lights

## ST45MB



### PRODUCT SPECIFICATION

ST45(M)B | ST56(M)B | ST80(M)B

**Materials** Lens-AS, Housing-ABS, Pole-Al  
**Ambient operating temperature** -25°C to + 50°C  
**Volume** Max 90dB at 1m  
**Protection rating**  
 Standard type-IP44, Built-in buzzer type-IP23  
**Flashing rate** 60-80/min  
**Compliant with RoHS directive**

- Bulb steady/flashing tower lights
- A variety of length selections from 45mm, 56mm, and 80mm to fit your sophisticated application needs
- Can select from a variety of mount bracket for the pole mount type
- Adopted a light bulb with excellent durability and longevity
- Standard model and built-in buzzer model can be used by selecting the specifications suitable for the operating environment.

### ST45MB Ø45mm Direct mount, Bulb Steady/Flashing

Model number	Layers	Voltage	Bulb			Certificates	Weight	Color
			Spec	Standard	Parts no			
	1	AC/DC12V	14V5W	G14 9S	1	CE	0.22kg	R-Red
		AC/DC24V	27V5W	G14 9S	2		0.22kg	
		AC110V	120V5W	T16x28 9S	3		0.22kg	
		AC220V	240V5W	T16x28 9S	4		0.22kg	
ST45MB Steady	2	AC/DC12V	14V5W	G14 9S	1		0.26kg	R-Red
		AC/DC24V	27V5W	G14 9S	2		0.26kg	
		AC110V	120V5W	T16x28 9S	3		0.26kg	G-Green
		AC220V	240V5W	T16x28 9S	4		0.26kg	
ST45MB-BZ Steady w/ built-in buzzer	3	AC/DC12V	14V5W	G14 9S	1		0.31kg	R-Red
		AC/DC24V	27V5W	G14 9S	2		0.31kg	A-Amber
		AC110V	120V5W	T16x28 9S	3		0.31kg	G-Green
		AC220V	240V5W	T16x28 9S	4		0.31kg	G-Green
ST45MBF Steady/ Flashing	4	AC/DC12V	14V5W	G14 9S	1		0.37kg	R-Red
		AC/DC24V	27V5W	G14 9S	2		0.37kg	A-Amber
		AC110V	120V5W	T16x28 9S	3		0.37kg	G-Green
		AC220V	240V5W	T16x28 9S	4		0.37kg	B-Blue
ST45MBF-BZ Built-in Buzzer Steady/ Flashing	5	AC/DC12V	14V5W	G14 9S	1		0.42kg	R-Red
		AC/DC24V	27V5W	G14 9S	2		0.42kg	A-Amber
		AC110V	120V5W	T16x28 9S	3		0.42kg	G-Green
		AC220V	240V5W	T16x28 9S	4		0.42kg	B-Blue
		AC/DC12V	14V5W	G14 9S	1		0.42kg	W-White
		AC/DC24V	27V5W	G14 9S	2		0.42kg	
		AC110V	120V5W	T16x28 9S	3		0.42kg	
		AC220V	240V5W	T16x28 9S	4		0.42kg	

※ CE Compliant: DC12V, DC24V

### Light source/buzzer current(based on 1 layer)

Voltage	AC/DC12V	AC/DC24V	AC110V	AC220V
Light source current(1 layer)	400mA	240mA	50mA	30mA
Buzzer current	40mA	75mA	110mA	130mA

### Ordering Specifications

ST45MB	-	3	-	24	-	RAG
[Model number]		[Layers]		[Voltage]		[Color]
ST45MB		1-1 Layers		12-DC12V		R-Red
ST45MB-BZ		2-2 Layers		24-DC24V		A-Amber
ST45MBF		3-3 Layers		110-AC110V		G-Green
ST45MBF-BZ		4-4 Layers		220-AC220V		B-Blue
		5-5 Layers				W-White



ST45MB Series

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



### Customization

- 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



Wall mount bracket TWS45



Wall mount bracket TWA45

# Ø45mm Bulb Steady/Flashing Tower Lights

## ST45B



ST45B Series

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



### ST45B Ø45mm Pole mount, Bulb Steady/Flashing

Model number	Layers	Voltage	Bulb			Certificates	Weight	Color
			Spec	Standard	Parts no			
	1	AC/DC12V	14V5W	G14 9S	1	CE	0.36kg	● R-Red
		AC/DC24V	27V5W	G14 9S	2		0.36kg	
		AC110V	120V5W	T16x28 9S	3		0.36kg	
		AC220V	240V5W	T16x28 9S	4		0.36kg	
ST45B Steady	2	AC/DC12V	14V5W	G14 9S	1	CE	0.41kg	● R-Red
		AC/DC24V	27V5W	G14 9S	2		0.41kg	
		AC110V	120V5W	T16x28 9S	3		0.41kg	● G-Green
		AC220V	240V5W	T16x28 9S	4		0.41kg	
ST45B-BZ Steady w/ built-in buzzer	3	AC/DC12V	14V5W	G14 9S	1	CE	0.46kg	● R-Red
		AC/DC24V	27V5W	G14 9S	2		0.46kg	
		AC110V	120V5W	T16x28 9S	3		0.46kg	● A-Amber
		AC220V	240V5W	T16x28 9S	4		0.46kg	
ST45BF Steady/Flashing	4	AC/DC12V	14V5W	G14 9S	1	CE	0.51kg	● R-Red
		AC/DC24V	27V5W	G14 9S	2		0.51kg	
		AC110V	120V5W	T16x28 9S	3		0.51kg	● G-Green
		AC220V	240V5W	T16x28 9S	4		0.51kg	
ST45BF-BZ Built-in Buzzer Steady/Flashing	5	AC/DC12V	14V5W	G14 9S	1	CE	0.56kg	● R-Red
		AC/DC24V	27V5W	G14 9S	2		0.56kg	
		AC110V	120V5W	T16x28 9S	3		0.56kg	● G-Green
		AC220V	240V5W	T16x28 9S	4		0.56kg	
	5	AC/DC12V	14V5W	G14 9S	1	CE	0.56kg	● R-Red
		AC/DC24V	27V5W	G14 9S	2		0.56kg	
		AC110V	120V5W	T16x28 9S	3		0.56kg	● G-Green
		AC220V	240V5W	T16x28 9S	4		0.56kg	

※ CE Compliant: DC12V, DC24V

### Light source/buzzer current(based on 1 layer)

Voltage	AC/DC12V	AC/DC24V	AC110V	AC220V
Light source current(1 layer)	400mA	240mA	50mA	30mA
Buzzer current	40mA	75mA	110mA	130mA

### Mounting bracket

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

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

### Customization

- Customized pole length available
- 2 buzzer sound types : Both prolonged(beep, beep) and staccato(beep, beep, beep) buzzer output available

### Ordering Specifications

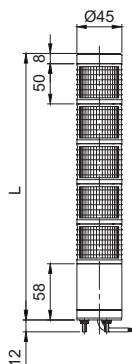
ST45B	-	3	-	24	-	RAG	-	LW18
[Model number]		[Layers]		[Voltage]		[Color]		[Bracket]
ST45B		1-1 Layers		12-DC12V		● R-Red		· None-Standard
ST45B-BZ		2-2 Layers		24-DC24V		● A-Amber		· Bracket
ST45BF		3-3 Layers		110-AC110V		● G-Green		-LB18 -LW18
ST45BF-BZ		4-4 Layers		220-AC220V		● B-Blue		-QZ18 -SZ18
		5-5 Layers				○ W-White		-QL18 -SL18

# ST45MB / ST45B

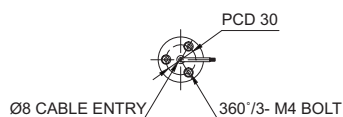
## Technical Diagram

Units : mm

·ST45MB-AC/DC  
·ST45MB-BZ-AC/DC  
·ST45MBF-AC/DC

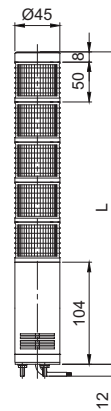


LAYER	L
1	116
2	166
3	216
4	266
5	316

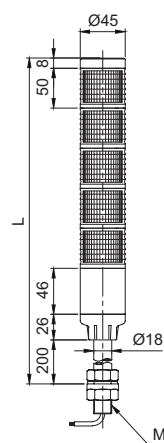


·ST45MBF-BZ-AC/DC

LAYER	L
1	162
2	212
3	262
4	312
5	362

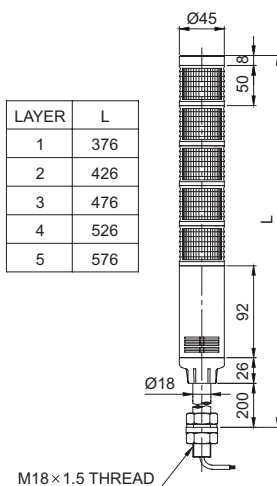


·ST45B-AC/DC  
·ST45B-BZ-AC/DC  
·ST45BF-AC/DC



LAYER	L
1	330
2	380
3	430
4	480
5	530

·ST45BF-BZ-AC/DC



LAYER	L
1	376
2	426
3	476
4	526
5	576

## Wiring Instructions

- External power line UL1015 AWG18(0.75sq) x 2C 400mm
- External signal line UL1007 AWG22(0.3sq) 400mm

## ST45B / ST56B / ST80B Series

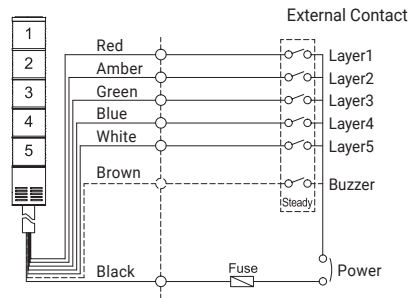
### Wiring Instructions

- Please wire by following below instructions for ST45MB/ ST45B, ST56MB/ ST56B and ST80MB/ ST80B series.
- Bulb tower lights do not allow transistor wiring. Please use External Contact.

#### External Contact

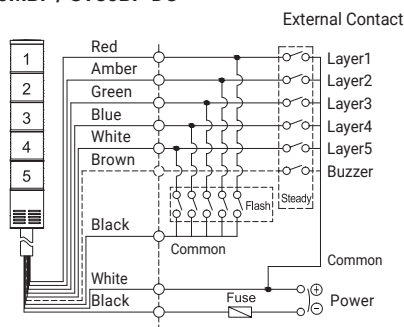
- ST45MB / ST45B-DC/AC
- ST56MB / ST56B-DC/AC
- ST80MB / ST80B-DC/AC

Steady

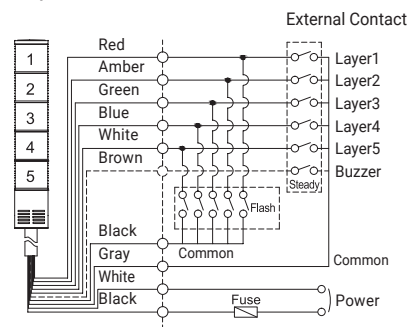


- ST45MBF / ST45BF-DC
- ST56MBF / ST56BF-DC
- ST80MBF / ST80BF-DC

Steady/Flashing



- ST45MBF / ST45BF-AC
- ST56MBF / ST56BF-AC
- ST80MBF / ST80BF-AC



- External power line UL1015 AWG18(0.75sq) x 2C 400mm
- External signal line UL1007 AWG22(0.3sq) 400mm