

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	2	AC/DC12V	14V5W	G14 9S	1	CE	0.26kg	● R-Red ● G-Green
Steady		AC/DC24V	27V5W	G14 9S	2		0.26kg	
ST45MB-BZ		AC110V	120V5W	T16x28 9S	3		0.26kg	
		AC220V	240V5W	T16x28 9S	4		0.26kg	
Steady w/ built-in buzzer	3	AC/DC12V	14V5W	G14 9S	1	CE	0.31kg	● R-Red ● A-Amber ● G-Green
ST45MBF		AC/DC24V	27V5W	G14 9S	2		0.31kg	
		AC110V	120V5W	T16x28 9S	3		0.31kg	
		AC220V	240V5W	T16x28 9S	4		0.31kg	
Steady/ Flashing	4	AC/DC12V	14V5W	G14 9S	1	CE	0.37kg	● R-Red ● A-Amber ● G-Green ● B-Blue
ST45MBF-BZ		AC/DC24V	27V5W	G14 9S	2		0.37kg	
		AC110V	120V5W	T16x28 9S	3		0.37kg	
		AC220V	240V5W	T16x28 9S	4		0.37kg	
Built-in Buzzer	5	AC/DC12V	14V5W	G14 9S	1	CE	0.42kg	● R-Red ● A-Amber ● G-Green ● B-Blue ○ W-White
Steady/ Flashing		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)	0.400A	0.240A	0.050A	0.030A
Buzzer current	0.040A	0.075A	0.110A	0.130A

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		Parts no	Certificates	Weight	Color
			Spec	Standard				
	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)	0.400A	0.240A	0.050A	0.030A
Buzzer current	0.040A	0.075A	0.110A	0.130A

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

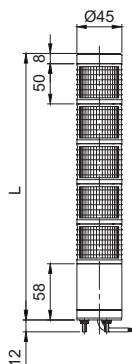
ST45B	-	3	-	24	-	RAG	-	LW18
[Model number]		[Layers]		[Voltage]		[Color]		[Bracket]
ST45B		1-1 Layers		12-DC12V		● R-Red		· None-Standard
ST45B-BZ		2-2 Layers		24-DC24V		● A-Amber		· Bracket
ST45BF		3-3 Layers		110-AC110V		● G-Green		-LB18 -LW18
ST45BF-BZ		4-4 Layers		220-AC220V		● B-Blue		-QZ18 -SZ18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

ST45MB / ST45B

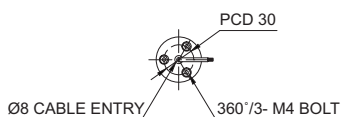
Technical Diagram

Units : mm

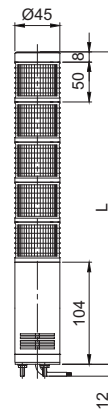
·ST45MB-AC/DC
·ST45MB-BZ-AC/DC
·ST45MBF-AC/DC



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

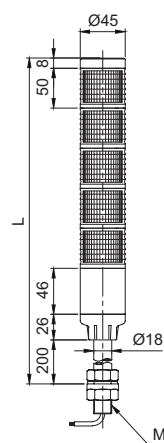


·ST45MBF-BZ-AC/DC



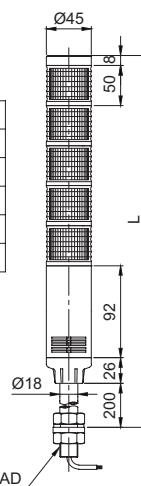
LAYER	L
1	162
2	212
3	262
4	312
5	362

·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

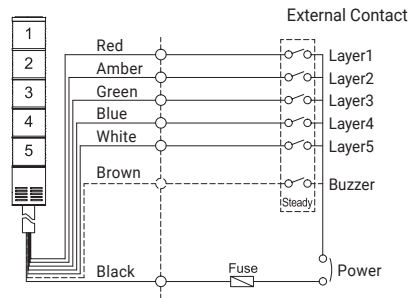
Wiring Instructions

- 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

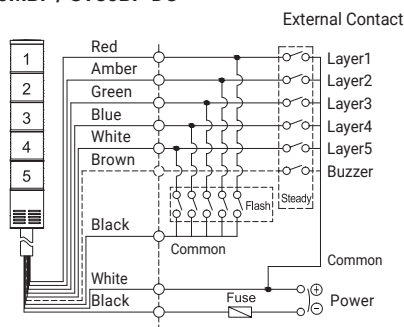
- ST45MB / ST45B-DC/AC
- ST56MB / ST56B-DC/AC
- ST80MB / ST80B-DC/AC

Steady

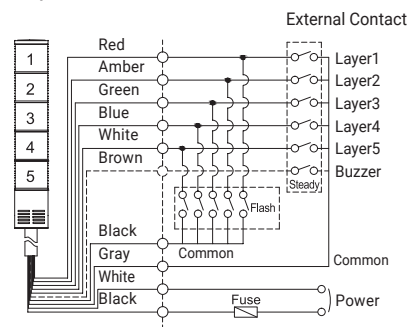


- ST45MBF / ST45BF-DC
- ST56MBF / ST56BF-DC
- ST80MBF / ST80BF-DC

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