

# Non Sparking Explosion Proof LED Tower Lights

## ST45ML-Ex



Non-sparking explosion proof LED tower lights suitable for use in zone 2 hazardous areas



ST45ML-Ex

### PRODUCT SPECIFICATION

ST45ML-Ex | STB45ML-Ex

#### Materials

Lens-PC, Housing-PC, Mounting housing-Al, Cover-PC/Al

**Ambient operating temperature**  $-20^{\circ}\text{C} \leq \text{Tamb} \leq +40^{\circ}\text{C}$

**Protection rating** IP54

**Explosion protection rating**

KCs- Ex nR II T6 IP54 (Layer2-3)

NEPSI, CCC -Ex nR IIC T6 Gc (Layer1-5)

KCs - Ex nR II T4 IP54 (Customization, Layer1-5)

- Non-sparking explosion protected high-intensity LED steady tower lights
  - Excellent distance visibility by using a special reflector to arrogate the light from the LED filament
  - Reduced maintenance with use of long-lasting LED light source
  - Lens and housing are made of polycarbonate with excellent durability, suitable for potentially hazardous and explosive environments
  - Can be used for Zone 2 application with explosion proof rating of nR
- ※ Zone2: Equipment is capable of operating under abnormal high risk environmental conditions for a short duration

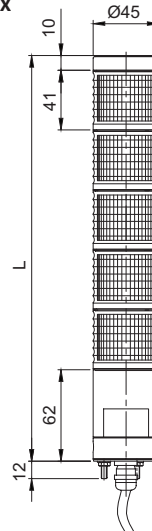
### ST45ML-Ex Non-Sparking Explosion Proof LED Tower Light

Model number	Layer	Voltage	Current	Certificates	Weight	Color
ST45ML-Ex	1	DC12V	0.024A	CCC	0.19kg	R-Red
		DC24V	0.012A	EA-NEPSI	0.19kg	
	2	DC12V	0.048A	KCs	0.24kg	R-Red
		DC24V	0.024A		0.24kg	G-Green
	3	DC12V	0.072A	CCC EA-NEPSI	0.29kg	R-Red A-Amber G-Green
		DC24V	0.036A		0.29kg	
	4	DC12V	0.096A	CCC	0.32kg	R-Red A-Amber G-Green B-Blue
		DC24V	0.048A		0.32kg	
	5	DC12V	0.120A	EA-NEPSI	0.36kg	R-Red A-Amber G-Green B-Blue
		DC24V	0.060A		0.36kg	W-White

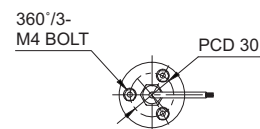
### Technical Diagram

Units: mm

ST45ML-Ex



LAYER	L
1	114
2	155
3	196
4	237
5	278



# Built-in Buzzer Non-Sparking Explosion Proof Tower Lights

## STB45ML-Ex



Non-sparking explosion proof LED tower lights suitable for use in zone 2 hazardous areas

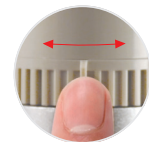
### STB45ML-Ex Built-in Buzzer Non-Sparking Explosion Proof Tower Lights

Model number	Layer	Voltage	Current	Certificates	Weight	Color
STB45ML-Ex	1	DC12V	0.055A	CCC	0.26kg	● R-Red
		DC24V	0.070A	Ex nR II T6	0.26kg	
	2	DC12V	0.075A	KCs	0.30kg	● R-Red
		DC24V	0.085A		0.30kg	● G-Green
	3	DC12V	0.120A	CCC	0.34kg	● R-Red
		DC24V	0.095A		0.34kg	● A-Amber ● G-Green
	4	DC12V	0.160A	CCC	0.38kg	● R-Red ● A-Amber ● G-Green
		DC24V	0.110A		0.38kg	● B-Blue
	5	DC12V	0.200A	Ex nR II T6	0.42kg	● R-Red ● A-Amber ● G-Green
		DC24V	0.120A		0.42kg	● B-Blue ○ W-White



STB45ML-Ex

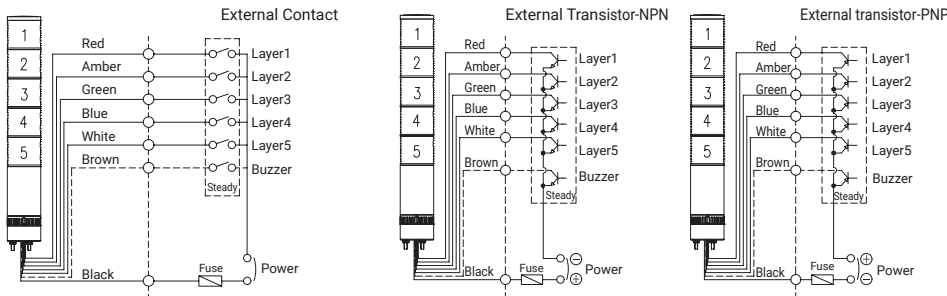
· Sound volume adjustable by volume control lever, Sound volume: Max.83dB at 1m  
 ※ CE compliant: DC24V



Sound volume adjustable by volume control lever

### Wiring Instructions

#### · ST45ML-Ex-DC / STB45ML-Ex-DC



### Ordering Specification

#### · KCs Certificates - Ex nR II T6

STB45ML3	-	Ex	-	12	-	R	-	KCs
[Model number]		[Explosion Proof]		[Voltage]		[Color]		[Certificates]
ST45ML2(2 layers) STB45ML2(2 layers)				12-DC12V 24-DC24V		● R-Red ● G-Green		KCs
ST45ML3(3 layers) STB45ML3(3 layers)						● R-Red ● A-Amber ● G-Green		

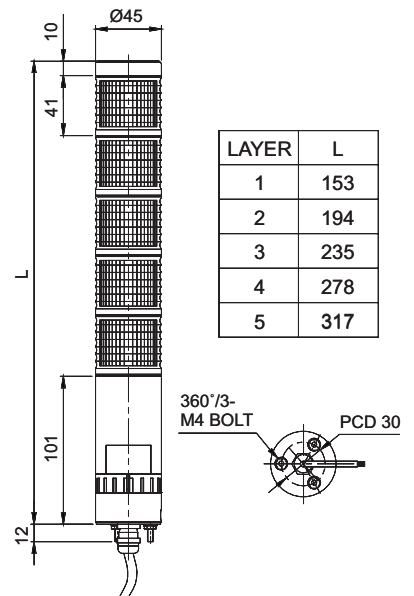
#### · CCC Certificates - Ex nR IIC T6 Gc

STB45ML	-	3	-	12	-	R	-	CCC/NEPSI
[Model number]		[Layer]		[Voltage]		[Color]		[Certificates]
ST45ML STB45ML		1-1Layer 2-2Layers 3-3Layers 4-4Layers 5-5Layers		12-DC12V 24-DC24V		● R-Red ● A-Amber ● G-Green ● B-Blue ○ W-White		CCC(NEPSI)

### Technical Diagram

Units: mm

#### · STB45ML-Ex



### Cautions in use of explosion proof tower lights

· Contact structure of an explosion proof product must be a qualified part we provide, please do not disassemble, assemble, modify or repair arbitrarily.