

QTEX Series

Explosion proof LED tower lights with flame proof housing



QTEX Self mount



QTEX Wall mount

PRODUCT SPECIFICATION

QTEX | QTEXB

Materials

Lens-Tempered glass, Filter Lens-AS, Housing-Al, Reflector-Heat resistant ABS

Ambient operating temperature $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$

Sound volume Max.90dB at 1m(QTEXB)

Explosion protection rating

IECEX - Ex db II C T6 Gb, IP66

Ex tb IIIC T85°C Db, IP66

ATEX - EX II 2G Ex db II C T6 Gb, IP66

EX II 2D Ex tb IIIC T85°C Db, IP66

KCs - Ex d II C T6, IP66

Certificates IECEX, ATEX, KCs, TIIS(QTEXB only)

Cable Entry 3/4" NPT 2WAY

- Explosion proof LED tower lights with Ex d IIC rating can be used in explosive gas environments
- Excellent distance visibility by using a special reflector to aggregate the light from the LED filament
- Ø80 LED tower light mounted inside the flame proof housing
- Aluminum housing provides excellent durability
- Long-lasting high intensity LED light source
- Terminal box located inside the housing for easy power wiring
- Direct mount type and wall mount type available depending on application needs.

QTEX Explosion Proof LED Tower Lights with Flame Proof Housing

Model number	Layer	Voltage	Current	Certificates	Weight	Color
1		AC/DC12V	0.085A		4.01kg	
		AC/DC24V	0.064A		4.01kg	● R-Red
		AC95V ~230V	Max.0.052A		4.02kg	
2		AC/DC12V	0.150A		4.15kg	● R-Red
		AC/DC24V	0.099A		4.15kg	● A-Amber
		AC95V ~230V	Max.0.067A		4.16kg	● G-Green
3		AC/DC12V	0.210A	IECEX	4.31kg	● R-Red
		AC/DC24V	0.129A		4.31kg	● A-Amber
		AC95V ~230V	Max.0.083A	ATEX	4.32kg	● G-Green
4		AC/DC12V	0.270A	KCs	4.46kg	● R-Red
		AC/DC24V	0.159A		4.46kg	● A-Amber
		AC95V ~230V	Max.0.098A		4.47kg	● G-Green ● B-Blue
5		AC/DC12V	0.330A		4.61kg	● R-Red
		AC/DC24V	0.189A		4.61kg	● A-Amber
		AC95V ~230V	Max.0.113A		4.62kg	● G-Green ● B-Blue ○ W-White

QTEX
(Steady/Flashing)



QTEXB Built-in Siren Buzzer Type Explosion Proof LED Tower Lights with Flame Proof Housing

Model number	Layer	Voltage	Current	Certificates	Weight	Color
QTEXB (Steady/Flashing)	1	AC/DC12V	0.175A		4.11kg	● R-Red
		AC/DC24V	0.134A		4.11kg	
		AC95V ~230V	Max.0.077A		4.12kg	
	2	AC/DC12V	0.240A		4.25kg	● R-Red ● A-Amber ● G-Green
		AC/DC24V	0.169A		4.25kg	
		AC95V ~230V	Max.0.092A		4.26kg	
	3	AC/DC12V	0.300A		4.41kg	● R-Red ● A-Amber ● G-Green
		AC/DC24V	0.199A		4.41kg	
		AC95V ~230V	Max.0.106A		4.42kg	
	4	AC/DC12V	0.360A		4.56kg	● R-Red ● A-Amber ● G-Green ● B-Blue
		AC/DC24V	0.229A		4.56kg	
		AC95V ~230V	Max.0.121A		4.57kg	
	5	AC/DC12V	0.430A		4.71kg	● R-Red ● A-Amber ● G-Green ● B-Blue ○ W-White
		AC/DC24V	0.259A		4.71kg	
		AC95V ~230V	Max.0.135A		4.72kg	



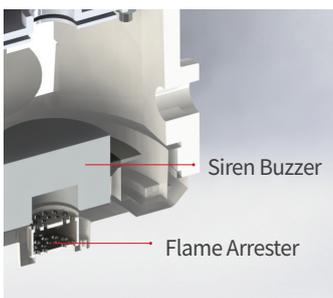
QTEXB Self mount



QTEXB Wall mount

- Explosion proof LED tower lights with visual & audible signal that can be used in hazardous environments
- Sound tone & volume: Siren buzzer, Max.90dB at 1m

Explosion proof structure for buzzer model



· FLAME ARRESTER
A flame arrester(also called a deflagration arrester) functions by absorbing the heat from a flame front traveling at sub-sonic velocities, thus dropping the burning gas/air mixture below its auto-ignition temperature: consequently, the flame cannot survive. The heat is absorbed through channels (passages) designed into an element.

Ordering Specification

QTEX	3	12	RAG	IECEX
[Model number]	[Layer]	[Voltage]	[Color]	[Certificates]
QTEX	1-1Layer	12-DC12V	● R-Red	IECEX
QTEXB	2-2Layers	24-DC24V	● A-Amber	ATEX
	3-3Layers	95/230-AC95V-230V	● G-Green	KCs
	4-4Layers		● B-Blue	TIIS(QTEXB only)
	5-5Layers		○ W-White	

Customization

- Explosion proof cable gland attached type available (Standard type does not come with explosion proof cable gland)
- Cable entry 1/2"NPT, M20X1.5, M25X1.5, 1/2"PF(KCs only), 3/4"PF(KCs only)

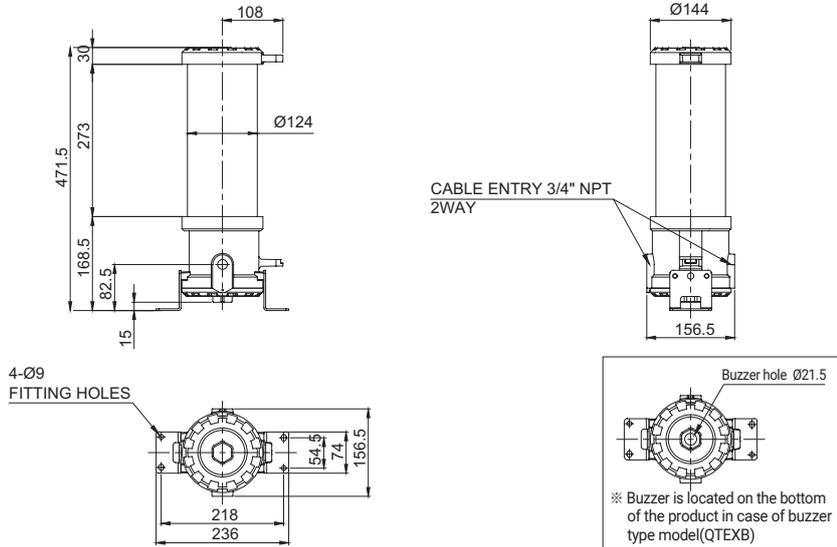
Explosion Proof LED Tower Lights Flame Proof Housing

QTEX Series

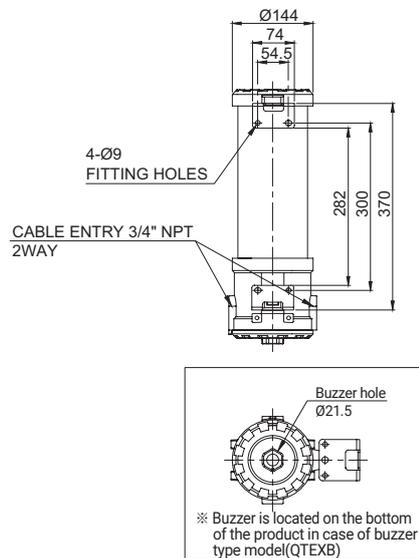
Technical Diagram

Units: mm

· QTEX / QTEXB-Self mount



· QTEX / QTEXB-Wall mount



Cautions in using explosion proof tower lights

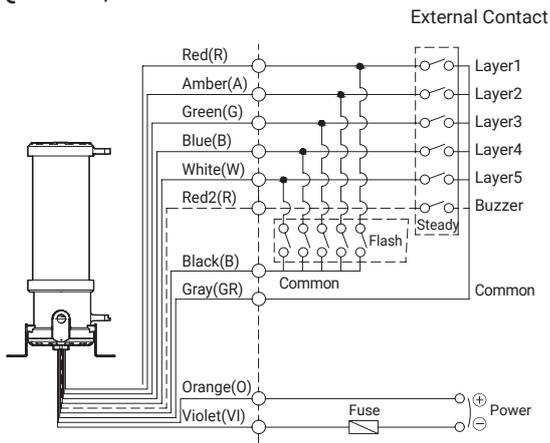
- Explosion proof products should be maintained by explosion proof regulation, please do not disassemble, assemble, modify or repair arbitrarily. In case disassembly is required for wiring or repair, structures such as the contact parts should maintain the same initial condition that we provided.
- Cable gland must be used in explosion proof certified products which satisfy the T6 temperature rating and IP66 protection rating.

Wiring Instructions

- QTEX / QTEXB wiring with transistors and external contacts.
- In case of wiring with transistors, please use PNP transistors and wiring exactly following below technical diagram.

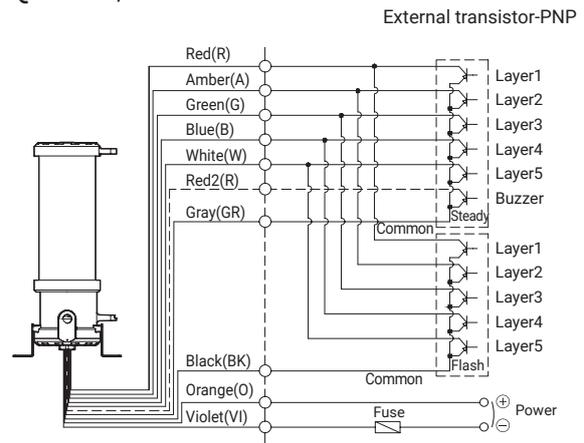
External contacts type

QTEX-DC/AC
QTEXB-DC/AC



Transistor type

QTEX-DC/AC
QTEXB-DC/AC



Terminal Wiring Information

