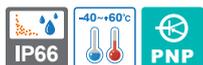


QTEX series

Explosion Proof LED Tower Lights Flame Proof Housing



QTEX - Standard model

Explosion proof LED tower lights with flame proof housing



QTEX
Direct mount type



QTEX
Wall mount type



Common Specifications(QTEX/ QTEXB)

- 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.
- Flashing rate: 60-80 flashes/min
- Selectable between steady/flashing mode with proper wire arrangement
- Sound volume : Max 80dB at 1m(QTEXB Type)
- Lens colors arrangement : ●R-Red ●A-Amber ●G-Green ●B-Blue ●W-White
- Standard housing color : Silver
- Cable entry : 3/4" NPT
- Materials : Lens-Tempered glass, Filter lens-AS, Housing-Al, Reflector-Heat resistant ABS
- Certificates : IECEx, ATEX, KCs
- Protection rating : Ex d IIC T6 Gb, IP66
- Ambient operating temperature : $-40^{\circ}\text{C} \leq T_{amb} \leq +60^{\circ}\text{C}$



QTEX Explosion Proof LED Tower Lights with Flame Proof Housing

Model number	Layer	Voltage	Current	Certificate	Weight	Color
QTEX (Steady/ Flashing)	1	DC12V	0.085A		4.01kg	● R-Red
		DC24V	0.064A		4.01kg	
		AC110V	0.052A		4.02kg	
		AC220V	0.039A		4.02kg	
	2	DC12V	0.150A		4.15kg	● R-Red ● G-Green
		DC24V	0.099A		4.15kg	
		AC110V	0.067A		4.16kg	
		AC220V	0.048A		4.16kg	
	3	DC12V	0.210A		4.31kg	● R-Red ● A-Amber ● G-Green
		DC24V	0.129A		4.31kg	
		AC110V	0.083A		4.32kg	
		AC220V	0.057A		4.32kg	
	4	DC12V	0.270A		4.46kg	● R-Red ● A-Amber ● G-Green ● B-Blue
		DC24V	0.159A		4.46kg	
		AC110V	0.098A		4.47kg	
		AC220V	0.065A		4.47kg	
	5	DC12V	0.330A		4.61kg	● R-Red ● A-Amber ● G-Green ● B-Blue ● W-White
		DC24V	0.189A		4.61kg	
		AC110V	0.113A		4.62kg	
		AC220V	0.074A		4.62kg	



Hazardous Area Classification

- **Zone 0 : Dangerous status**
Ignitable concentrations of flammable gases or vapors which are present continuously or for long periods of time.
- **Zone 1 : Normal status**
Ignitable concentrations of flammable gases or vapors which are likely to occur under normal operating conditions.
- **Zone 2 : Abnormal status or places**
Ignitable concentrations of flammable gases or vapors which are not likely to occur under normal operating conditions and do so only for a short period of time.



Warning/
Signal/
Stackable



Signal &
Electric Horn/
Speakers



Vessels and
Heavy-Duty
Equipment



Explosion
Proof



Warning
Light Bar



Aviation
Obstruction
Lights



Signal Tower
Lights



USB/ETN
Signal Tower
Lights



Wireless
Network
System



Electric Horn/
Speakers



Industrial
LED Lights

QTEX series

Explosion Proof LED Tower Lights with Flame Proof Housing



QTEXB - Built-in buzzer type



QTEXB
Direct mount type



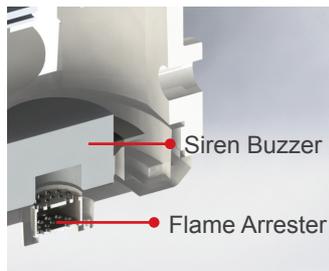
QTEXB
Wall mount type

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

- Explosion proof LED tower lights with visual & audible signal that can be used in hazardous environments
- Sound tone & volume : Siren buzzer, Max 80dB at 1m

Model number	Layer	Voltage	Current	Certificate	Weight	Color
QTEXB (Steady/ Flashing)	1	DC12V	0.175A	 ATEX 	4.11kg	● R-Red
		DC24V	0.134A		4.11kg	
		AC110V	0.077A		4.12kg	
		AC220V	0.054A		4.12kg	
	2	DC12V	0.240A		4.25kg	● R-Red ● G-Green
		DC24V	0.169A		4.25kg	
		AC110V	0.092A		4.26kg	
		AC220V	0.063A		4.26kg	
	3	DC12V	0.300A		4.41kg	● R-Red ● A-Amber ● G-Green
		DC24V	0.199A		4.41kg	
		AC110V	0.106A		4.42kg	
		AC220V	0.071A		4.42kg	
	4	DC12V	0.360A		4.56kg	● R-Red ● A-Amber ● G-Green ● B-Blue
		DC24V	0.229A		4.56kg	
		AC110V	0.121A		4.57kg	
		AC220V	0.080A		4.57kg	
	5	DC12V	0.430A		4.71kg	● R-Red ● A-Amber ● G-Green ● B-Blue ● W-White
		DC24V	0.259A		4.71kg	
		AC110V	0.135A		4.72kg	
		AC220V	0.088A		4.72kg	

Explosion proof structure for buzzer model



What is a 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.

Customization

- Built-in explosion proof cable gland
- Two way cable entries

Ordering Specification

QTEX	-	3	-	12	-	RAG
[Model number]		[Layer]		[Voltage]		[Color]
• QTEX • QTEXB		• 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

QTEX series

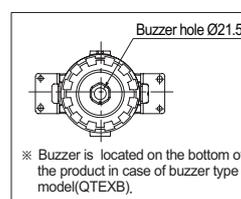
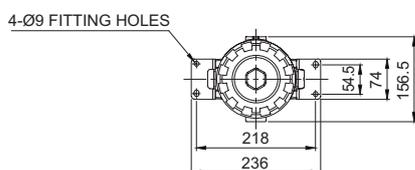
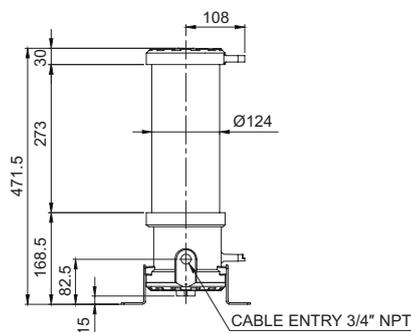
Explosion Proof LED Tower Lights with Flame Proof Housing



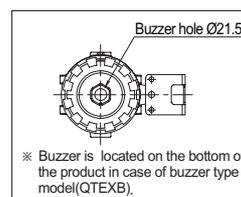
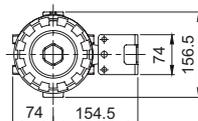
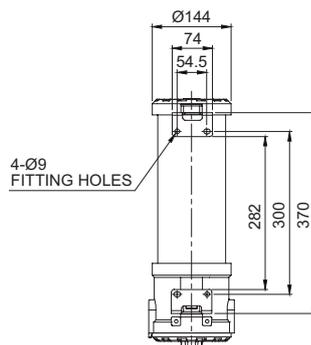
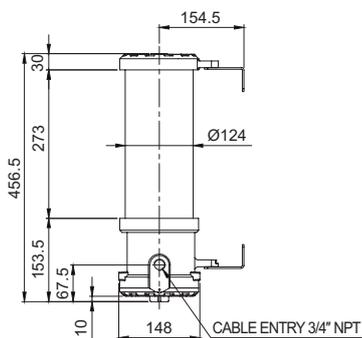
Technical Diagram

(Units : mm)

QTEX/ QTEXB



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.



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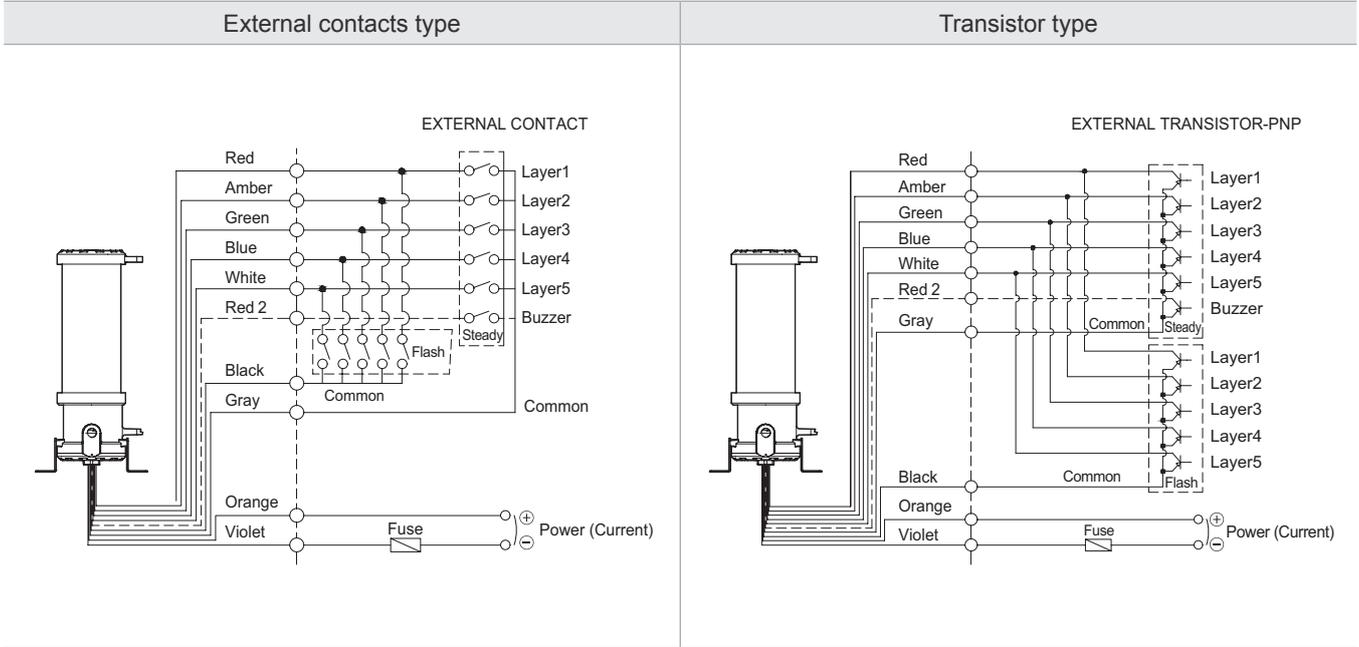
QTEX series

Explosion Proof LED Tower Lights with Flame Proof Housing



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.
- Product can be wired regardless of polarity.



Terminal Wiring Information

