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°C ≤ Tamb ≤ +60°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	Certificates	Weight	Color
QTEX (Steady/Flashing)	1	DC12V		4.01kg	● R-Red
		DC24V		4.01kg	
		AC95V-230V		4.02kg	
	2	DC12V		4.15kg	● R-Red ● A-Amber ● G-Green
		DC24V		4.15kg	
		AC95V-230V		4.16kg	
	3	DC12V	IECEx ATEX KCs	4.31kg	● R-Red ● A-Amber ● G-Green
		DC24V		4.31kg	
		AC95V-230V		4.32kg	
	4	DC12V		4.46kg	● R-Red ● A-Amber ● G-Green ● B-Blue
		DC24V		4.46kg	
		AC95V-230V		4.47kg	
	5	DC12V		4.61kg	● R-Red ● A-Amber ● G-Green ● B-Blue ○ W-White
		DC24V		4.61kg	
		AC95V-230V		4.62kg	

Light source current(based on 1 layer)

Voltage	DC12V	DC24V	AC95V-230V
Light source current(1 layer)	80mA	60mA	Max.55mA

🔔 QTEXB Built-in Siren Buzzer Type Explosion Proof LED Tower Lights with Flame Proof Housing
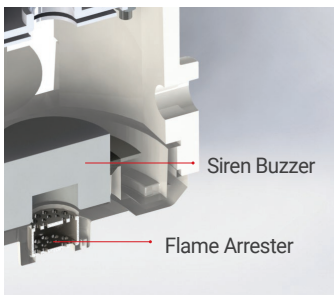
Model number	Layer	Voltage	Certificates	Weight	Color
QTEXB (Steady/Flashing)	1	DC12V		4.11kg	● R-Red
		DC24V		4.11kg	
		AC95V-230V		4.12kg	
	2	DC12V		4.25kg	● R-Red
		DC24V		4.25kg	● A-Amber
		AC95V-230V		4.26kg	● G-Green
	3	DC12V	IECEx ATEX KCs TIIS	4.41kg	● R-Red
		DC24V		4.41kg	● A-Amber
		AC95V-230V		4.42kg	● G-Green
	4	DC12V		4.56kg	● R-Red
		DC24V		4.56kg	● A-Amber
		AC95V-230V		4.57kg	● G-Green / ● B-Blue
	5	DC12V		4.71kg	● R-Red / ● A-Amber
		DC24V		4.71kg	● G-Green / ● B-Blue
		AC95V-230V		4.72kg	○ W-White

· 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

QTEXB Self mount

Light source/buzzer current(based on 1 layer)

Voltage	DC12V	DC24V	AC95V-230V
Light source current(1 layer)	80mA	60mA	Max.55mA
Buzzer current	60mA	120mA	Max.80mA

Explosion proof structure for buzzer model

Siren Buzzer

Flame Arrester

· 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.

QTEXB Wall mount

Ordering Specification

QTEX	-	3	-	12	-	RAG	-	IECEx

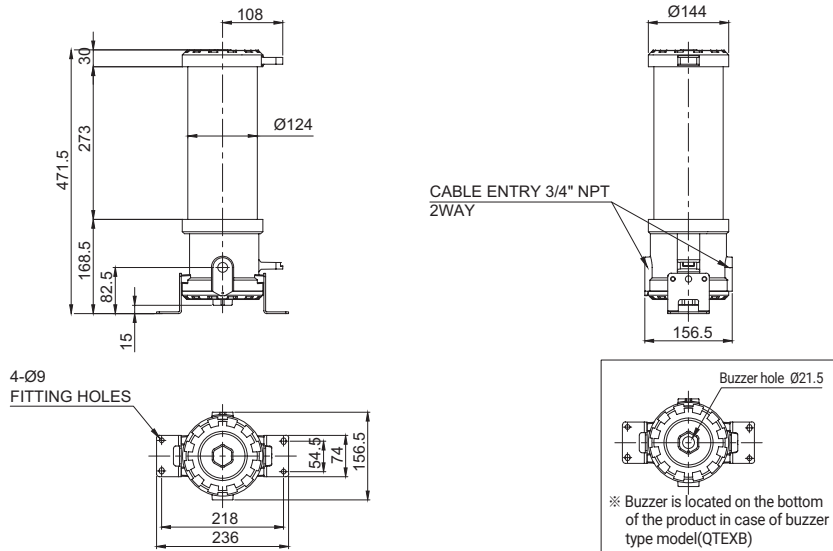| [Model number]	[Layer]	[Voltage]	[Color]	[Certificates]
QTEX	1-1Layer	12-DC12V	● R-Red	IECEx
QTEXB	2-2Layers	24-DC24V	● A-Amber	ATEX
	3-3Layers	95/230-AC95V-230V	● G-Green	KCs
	4-4Layers		● B-Blue	TIIS(QTEXB only)
	5-5Layers		○ W-White	

Customization

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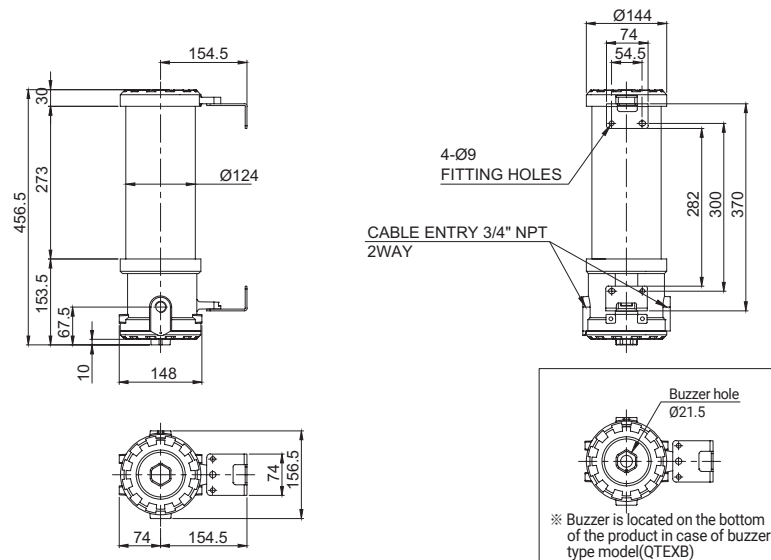· Cable entry 1/2"NPT, M20X1.5, M25X1.5, 1/2"PF(KCs only), 3/4"PF(KCs only)

QTEX Series

Technical Diagram

Units: mm

· **QTEX / QTEXB-Self mount**

4-Ø9
FITTING HOLES

CABLE ENTRY 3/4" NPT
2WAY

Buzzer hole Ø21.5

※ Buzzer is located on the bottom
of the product in case of buzzer
type model(QTEXB)

· **QTEX / QTEXB-Wall mount**

4-Ø9
FITTING HOLES

CABLE ENTRY 3/4" NPT
2WAY

Buzzer hole
Ø21.5

※ Buzzer is located on the bottom
of the product in case of buzzer
type model(QTEXB)
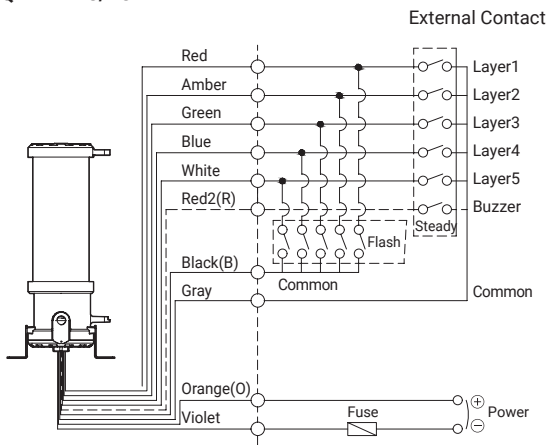
Cautions in using explosion proof tower lights

· 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.
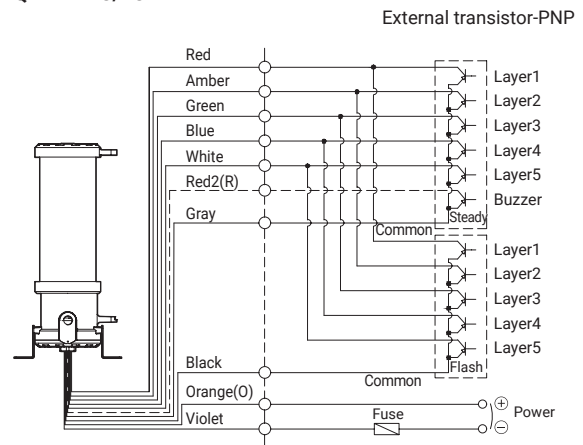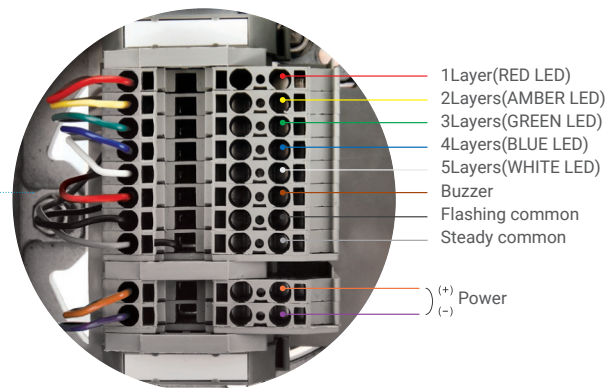
· External Contacts type

QTEX-DC/AC
QTEXB-DC/AC

External Contact

Red	Layer1
Amber	Layer2
Green	Layer3
Blue	Layer4
White	Layer5
Red2(R)	Buzzer
	Steady
	Flash
Black(B)	
Gray	Common
	Common
Orange(O)	
Violet	Fuse

Power ⊕ ⊖

· Transistor type

QTEX-DC/AC
QTEXB-DC/AC

External transistor-PNP

Red	Layer1
Amber	Layer2
Green	Layer3
Blue	Layer4
White	Layer5
Red2(R)	Buzzer
Gray	Steady
	Common
	Layer1
	Layer2
	Layer3
	Layer4
	Layer5
Black	Flash
	Common
Orange(O)	
Violet	Fuse

Power ⊕ ⊖

Terminal Wiring Information

1Layer(RED LED)
2Layers(AMBER LED)
3Layers(GREEN LED)
4Layers(BLUE LED)
5Layers(WHITE LED)
Buzzer
Flashing common
Steady common

(+) (−) Power

QTEX series consists of a blocked terminal which is convenient for internal wiring of the terminal box.
Please refer to technical diagram for detailed Wiring Instructions.