



QT50L / QT50ML
QT70L / QT70ML

New Model Concept which Allows for Significant Customization to Your Specific Needs Using Special Modular Components



- QT Series tower light is a multifunctional product that allows for significant customization to your specific needs using our special modular components such as the lens, buzzer, ethernet cord, USB cord and Mounting brackets. Additional tools are not required for assembly
- All modular components can be arranged freely to the user desired position (upper/ lower) except for the dial tone lever



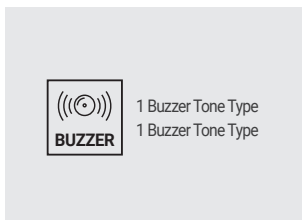
· Buzzer modules position can be chosen freely

The buzzer module is designed to be compatible with the light modules by using a novel architecture developed by Qlight. Therefore, users can reposition the module to the location they desire. In the photo to the left, the buzzer module is located at the top, center and bottom positions.



· Can select from a variety of LED light functions

The LED indicator can provide varying signals/actions by using different independent light modules; flashing, strobe, rotating. For example, green would indicate normal operation, a red module would indicate risk which can be highlighted further by selecting a strobe flashing or rotating module.



· Buzzer sound selection

Modules that output buzzer sounds can be arranged according to the work environment and purpose. For detailed specifications of the buzzer sound module, please refer to QT Series [Buzzer Module].



· Can select from a variety of pole selections to fit your application needs

You can choose from 8 different kinds of pole options for mounting. The pole materials vary from steel, aluminum, and polycarbonate. Please refer to [Tower Light Mounting Bracket] on this catalogue for detailed dimensions



· Module sales

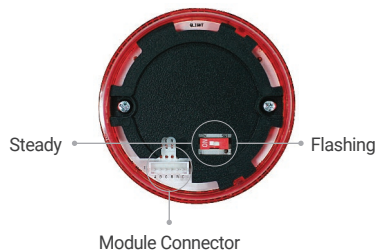
Consumers can purchase the modules they need and assemble them themselves. Detailed specifications and features of the module are introduced on the QT50 / QT70 module information page. References for module combinations are included on the Assembly Instructions page.

· Assembly sales

We assemble the functions requested by consumers and supply them as finished products. Assembly specifications for various model numbers are introduced on the QT50 / QT70 product detail page.

QT Series

Multi-functional module can be assemble to user requirements



Please use the switch for Steady and Flashing which is on top of Q50L-F and Q70L-F, LED steady/flashing module.

Module Connection



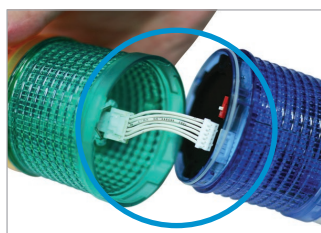
1 Connect wire between module



2 Match the edge of module



3 To assemble turn right



Uses a connector for easy assembly

LED module

- 4 kinds of LED modules; Steady, steady/flashing, strobe, revolving flashing
- Good visibility with high brightness.
- Module position can be chosen based on signal importance.



Q70L-N



Q50L-N

LED Steady Module

- Output LED Steady signal
- High brightness LED
- Voltage: DC12V, DC24V, AC110V, AC220V



Q70L-F



Q50L-F

LED Steady/Flashing Module

- Output LED Steady/Flashing signal
- High brightness LED
- Voltage: DC12V, DC24V, AC110V, AC220V



Q70L-S



Q50L-S

LED Strobe Module

- LED Strobe Module
- Excellent notice compare to flashing type
- Voltage: DC12V, DC24V



Q70L-R



Q50L-R

LED Revolving Flashing Module

- LED light revolve and flash
- Dynamic Signal
- Voltage: DC12V, DC24V

Buzzer module

- Buzzer module has Siren and Bip sound, Bip sound is adjustable.
- Buzzer module position can be chosen freely and has a good air tight seal.



Q70L-BZS

Siren Sound Buzzer Module

- Siren buzzer volume: Max. 90dB
- Sound fixed
- Voltage: DC12V, DC24V, AC110V, AC220V



Q70L-BZ



Q50L-BZ

Bip Sound Buzzer Module

- Bip sound(Pi-Pi) volume : Max 90dB
- Sound adjustable
- Voltage: DC12V, DC24V, AC110V, AC220V



- Sound adjustable by lever on module side
- Buzzer module position can be chosen freely




Module Connection

- Adopts a convenient connector for easy assemble.
- Simple connection structure makes assembly straightforward and effortless when compared to other manufacturer's products.

Base Module is composed of the control line and threaded to the Mounting bracket for improved product mounting efficiency.
Please refer to below instruction and choose the mount type.

Base Module

- 6P terminal plate equipped on basic module. Please refer to QT Series wiring diagram for wiring of power line and signal line

Direct mount		3 Bolts on base module
Wall mount		Wall mount bracket on base module
Pole mount		Pole module and pole assemble on base module

Module Color

- Housing color of the QT series modular tower lights is black
- Customizable in beige color

Wiring Instructions

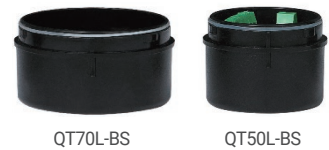
- QT series can be wired to External Contact and transistor
- In case of wiring with transistor, please select the proper transistor type either NPN or PNP based on the source voltage setting
- DC Steady type : External power/External signal line : UL1007 AWG22(0.3sq) 400mm
- AC Steady, AC/DC steady/flashing type :
External power line : UL1015 AWG18(0.75sq)×2C 400mm
External signal line : UL1007 AWG22(0.3sq)400mm

Mounting bracket

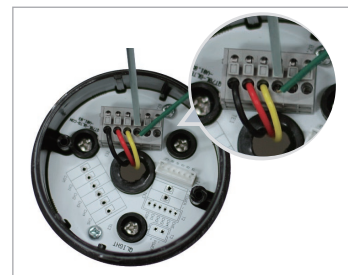
- Pole Mount Brackets

Standard	LB18 LB24	LW18 LW24	QZ18 QZ24	SZ18 SZ24	QL18 QL24	SL18 SL24
						
Steel	Steel	ABS	ABS	Al	ABS	Al

※ Please refer to [Tower Light Mounting bracket] on this catalogue for detailed dimensions



Power Line Wiring Instructions


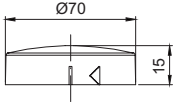


Terminal box can be wired without a special tool by using the push and release locking mechanism.

QT70 Series


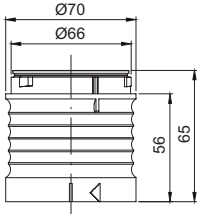




Module Specifications QT70L / QT70ML

(Units : mm)

Layout	Parts Name	Model No	Common Specifications
	QT70L Cover	Q70L-CV	<ul style="list-style-type: none"> Material: PC Protection ratings with assemble: IP65 Product size: Ø70 x 15 


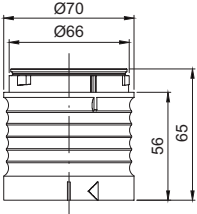


• LED Steady Module

(Units : mm)

Layout	Parts Name	Model No	Specification		Common Specifications
			Voltage	Current	
	Q70L-NR Red LED Steady Module	Q70L-NR-12 Q70L-NR-24 Q70L-NR-110 Q70L-NR-220	DC12V DC24V AC110V AC220V	120mA 55mA 25mA 25mA	<ul style="list-style-type: none"> Material: PC Protection ratings with assemble : IP65 Product size: Ø70 x 65 
	Q70L-NA Amber LED Steady Module	Q70L-NA-12 Q70L-NA-24 Q70L-NA-110 Q70L-NA-220	DC12V DC24V AC110V AC220V	120mA 55mA 25mA 25mA	
	Q70L-NG Green LED Steady Module	Q70L-NG-12 Q70L-NG-24 Q70L-NG-110 Q70L-NG-220	DC12V DC24V AC110V AC220V	120mA 55mA 25mA 25mA	
	Q70L-NB Blue LED Steady Module	Q70L-NB-12 Q70L-NB-24 Q70L-NB-110 Q70L-NB-220	DC12V DC24V AC110V AC220V	120mA 55mA 25mA 25mA	
	Q70L-NC White LED Steady Module	Q70L-NC-12 Q70L-NC-24 Q70L-NC-110 Q70L-NC-220	DC12V DC24V AC110V AC220V	120mA 55mA 25mA 25mA	

• LED Flashing Module


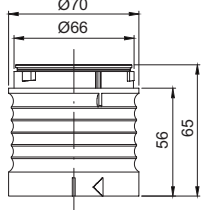

(Units : mm)

Layout	Parts Name	Model No	Specification		Common Specifications
			Voltage	Current	
	Q70L-FR Red LED Steady/Flashing Module	Q70L-FR-12 Q70L-FR-24 Q70L-FR-110 Q70L-FR-220	DC12V DC24V AC110V AC220V	120mA 55mA 25mA 25mA	<ul style="list-style-type: none"> Material: PC Protection ratings with assemble : IP65 Product size: Ø70 x 65 
	Q70L-FA Amber LED Steady/Flashing Module	Q70L-FA-12 Q70L-FA-24 Q70L-FA-110 Q70L-FA-220	DC12V DC24V AC110V AC220V	120mA 55mA 25mA 25mA	
	Q70L-FG Green LED Steady/Flashing Module	Q70L-FG-12 Q70L-FG-24 Q70L-FG-110 Q70L-FG-220	DC12V DC24V AC110V AC220V	120mA 55mA 25mA 25mA	

Modular Multi-Functional LED Tower Lights


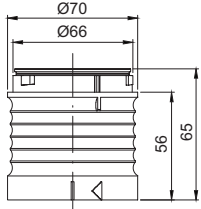




QT70 Series

(Units : mm)

Layout	Parts Name	Model No	Specification		Common Specifications
			Voltage	Current	
	Q70L-FB Blue LED Steady/Flashing Module	Q70L-FB-12	DC12V	120mA	<ul style="list-style-type: none"> Material: PC Protection ratings with assemble: IP65 Product size: Ø70 x 65 
		Q70L-FB-24	DC24V	55mA	
		Q70L-FB-110	AC110V	25mA	
		Q70L-FB-220	AC220V	25mA	
	Q70L-FC White LED Steady/Flashing Module	Q70L-FC-12	DC12V	120mA	
		Q70L-FC-24	DC24V	55mA	
		Q70L-FC-110	AC110V	25mA	
		Q70L-FC-220	AC220V	25mA	


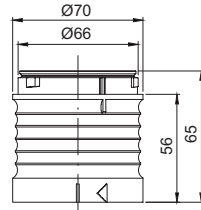

• LED Strobe Module

(Units : mm)


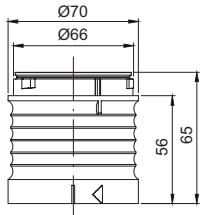

Layout	Parts Name	Model No	Specification		Common Specifications
			Voltage	Current	
	Q70L-SR Red LED Strobe Module	Q70L-SR-12 Q70L-SR-24	DC12V DC24V	120mA 120mA	<ul style="list-style-type: none"> Material: PC Protection ratings with assemble: IP65 Product size: Ø70 x 65 
	Q70L-SA Amber LED Strobe Module	Q70L-SA-12 Q70L-SA-24	DC12V DC24V	120mA 120mA	
	Q70L-SG Green LED Strobe Module	Q70L-SG-12 Q70L-SG-24	DC12V DC24V	120mA 120mA	
	Q70L-SB Blue LED Strobe Module	Q70L-SB-12 Q70L-SB-24	DC12V DC24V	120mA 120mA	
	Q70L-SC White LED Strobe Module	Q70L-SC-12 Q70L-SC-24	DC12V DC24V	120mA 120mA	

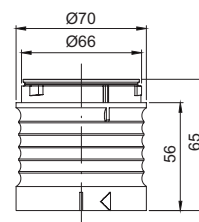
• LED Revolving Flashing module

(Units : mm)

Layout	Parts Name	Model No	Specification		Common Specifications
			Voltage	Current	
	Q70L-RR Red LED Revolving Flashing Module	Q70L-RR-12 Q70L-RR-24	DC12V DC24V	80mA 80mA	<ul style="list-style-type: none"> Material: PC Protection ratings with assemble: IP65 Product size: Ø70 x 65 
	Q70L-RA Amber LED Revolving Flashing Module	Q70L-RA-12 Q70L-RA-24	DC12V DC24V	80mA 80mA	



(Units : mm)

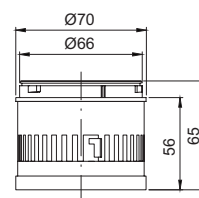
Layout	Parts Name	Model No	Specification		Common Specifications
			Voltage	Current	
	Q70L-RG Green LED Revolving Flashing Module	Q70L-RG-12 Q70L-RG-24	DC12V DC24V	80mA 80mA	· Material: PC · Protection ratings with assemble: IP65 · Product size: Ø70 x 65
	Q70L-RB Blue LED Revolving Flashing Module	Q70L-RB-12 Q70L-RB-24	DC12V DC24V	80mA 80mA	
	Q70L-RC White LED Revolving Flashing Module	Q70L-RC-12 Q70L-RC-24	DC12V DC24V	80mA 80mA	



· Buzzer module

(Units : mm)

Layout	Parts Name	Model No	Specification		Common Specifications
			Voltage	Current	
	Q70L-BZ Buzzer module	Q70L-BZ-12 Q70L-BZ-24 Q70L-BZ-110 Q70L-BZ-220	DC12V DC24V AC110V AC220V	30mA 55mA 110mA 130mA	· Material: PC · Protection ratings with assemble: IP54 · Product size: Ø70 x 65 · Volume: Max. 90dB
	Q70L-BZS Siren Buzzer module	Q70L-BZS-12 Q70L-BZS-24 Q70L-BZS-110 Q70L-BZS-220	DC12V DC24V AC110V AC220V	240mA 150mA 10mA 20mA	



QT70 Series




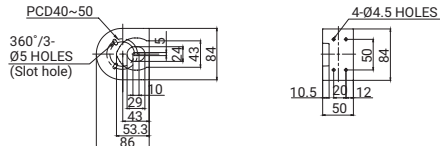

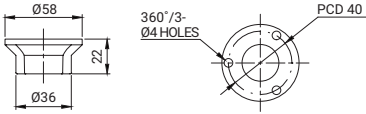
• Base Module

(Units : mm)

Layout	Parts Name	Model No	Common Specifications
	Base Module	Q70L-BS	<ul style="list-style-type: none"> Material: PC Protection ratings with assemble: IP65 Product size: Ø70 x 36 

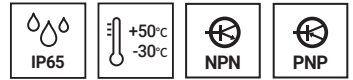
• Mount Bracket Module(Built-in Sounder)

(Units : mm)

Layout	Parts Name	Model No	Material	Technical Diagram
	Wall Mount Bracket	TWS80	Steel	
	Wall Mount Bracket	TWA80	PC	
	Pole Module	Q70L-PB	PC	

Ø70mm Modular Multi-Functional LED Tower Lights

QT70L



Product consist of cover, LED modules, base module, and pole module

QT70L Ø70mm Pole Mount Modular LED Tower Lights

Model number	Layers	Voltage	Certificates	Weight	Color
QT70L QT70LF	1	DC12V	CE	0.41kg	● R-Red
		DC24V		0.41kg	
		AC110V		0.42kg	
		AC220V		0.42kg	
	2	DC12V		0.48kg	● R-Red ● G-Green
		DC24V		0.48kg	
		AC110V		0.49kg	
		AC220V		0.49kg	
	3	DC12V		0.55kg	● R-Red ● A-Amber ● G-Green
		DC24V		0.55kg	
		AC110V		0.56kg	
		AC220V		0.56kg	
	4	DC12V		0.63kg	● R-Red ● A-Amber ● G-Green ● B-Blue
		DC24V		0.63kg	
		AC110V		0.64kg	
		AC220V		0.64kg	
	5	DC12V		0.71kg	● R-Red ● A-Amber ● G-Green ● B-Blue ○ W-White
		DC24V		0.71kg	
		AC110V		0.72kg	
		AC220V		0.72kg	

※ CE compliant: DC12V, DC24V

module configuration

QT70L QT70LF	Steady Module Steady/Flashing Module	+	Base Module(BS) + Pole Module(PB)
-----------------	---	---	---

Light source current(based on 1 layer)

Voltage	DC12V	DC24V	AC110V	AC220V
Light source current(1 layer)	120mA	55mA	25mA	25mA

Wiring Instructions

· LED tower light can be wired by using transistor and External Contact

Mounting bracket

Standard	LB24	LW24	QZ24	SZ24	QL24	SL24
Steel	Steel	ABS	ABS	Al	ABS	Al

※ Please refer to [Tower Light Mounting bracket] on this catalogue for detailed dimensions

Ordering Specifications

QT70L	-	3	-	24	-	RAG	-	LW24
[Model number]		[Layers]		[Voltage]		[Color]		[Bracket]
QT70L QT70LF		1-1 Layers 2-2 Layers 3-3 Layers 4-4 Layers 5-5 Layers		12-DC12V 24-DC24V 110-AC110V 220-AC220V		● R-Red ● A-Amber ● G-Green ● B-Blue		· None-Standard · Bracket · LB24-LW24 · QZ24-SZ24 · QL24-SL24



QT70L

Beige color

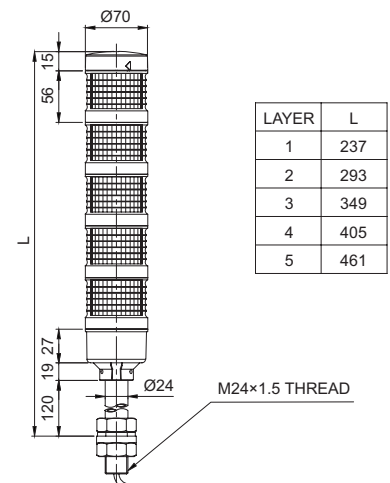
Beige color is available



Technical Diagram

Units : mm

·QT70L



Customization

- Customized pole length available
- Beige color
- LED Strobe(Model number: QT70LS)
- LED simulated revolving (Model number: QT70LR)

Wiring Instructions(Wiring using External Contact)

- QT Series can be wired by using both External Contact and transistor.
- In case of wiring with External Contacts, refer to the wiring diagrams below according to your product's type and voltage setting.

Wiring instructions		Wiring instructions	
DC/AC standard		DC/AC buzzer	
<p>QT50ML(F) QT50MLS(DC only) QT50MLR(DC only) QT50L(F) QT50LS(DC only) QT50LR(DC only) QT70ML(F) QT70MLS(DC only) QT70MLR(DC only) QT70L(F) QT70LS(DC only) QT70LR(DC only)</p>		<p>QT50ML(F)-BZ QT50MLS-BZ(DC only) QT50MLR-BZ(DC only) QT50L(F)-BZ QT50LS-BZ(DC only) QT50LR-BZ(DC only) QT70ML(F)-BZ QT70MLS-BZ(DC only) QT70MLR-BZ(DC only) QT70L(F)-BZ QT70LS-BZ(DC only) QT70LR-BZ(DC only)</p>	

Wiring Instructions(Wiring using transistor)

- In case of wiring by transistor, please make sure if it is NPN type or PNP type. Please carefully follow wiring instruction below.

Wiring instructions

DC standard

QT50ML(F)
QT50MLS
QT50MLR
QT50L(F)
QT50LS
QT50LR
QT70ML(F)
QT70MLS
QT70MLR
QT70L(F)
QT70LS
QT70LR

External Transistor-NPN

Diagram showing the wiring for the DC standard using an External Transistor-NPN. The connector pins are labeled 1 through 5. The corresponding wire colors are Red (1), Amber (2), Green (3), Blue (4), and White (5). These wires connect to Layer 1, Layer 2, Layer 3, Layer 4, and Layer 5 respectively. A Black wire connects to a common ground. A Fuse and Power source are connected to the common ground.

External Transistor-PNP

Diagram showing the wiring for the DC standard using an External Transistor-PNP. The connector pins are labeled 1 through 5. The corresponding wire colors are Red (1), Amber (2), Green (3), Blue (4), and White (5). These wires connect to Layer 1, Layer 2, Layer 3, Layer 4, and Layer 5 respectively. A Black wire connects to a common ground. A Fuse and Power source are connected to the common ground.

DC buzzer

QT50ML(F)-BZ
QT50MLS-BZ
QT50MLR-BZ
QT50L(F)-BZ
QT50LS-BZ
QT50LR-BZ
QT70ML(F)-BZ
QT70MLS-BZ
QT70MLR-BZ
QT70L(F)-BZ
QT70LS-BZ
QT70LR-BZ

External Transistor-NPN

Diagram showing the wiring for the DC buzzer using an External Transistor-NPN. The connector pins are labeled 1 through 5. The corresponding wire colors are Red (1), Amber (2), Green (3), Blue (4), and Brown (5). These wires connect to Layer 1, Layer 2, Layer 3, Layer 4, and Buzzer respectively. A Black wire connects to a common ground. A Fuse and Power source are connected to the common ground.

External Transistor-PNP

Diagram showing the wiring for the DC buzzer using an External Transistor-PNP. The connector pins are labeled 1 through 5. The corresponding wire colors are Red (1), Amber (2), Green (3), Blue (4), and Brown (5). These wires connect to Layer 1, Layer 2, Layer 3, Layer 4, and Buzzer respectively. A Black wire connects to a common ground. A Fuse and Power source are connected to the common ground.

- DC steady type cable specification: External power/ signal line - UL1007 AWG22(0.3sq) 400mm.
- AC steady, AC/DC steady/flashing type cable specification: External power line - UL1015 AWG18(0.75sq) × 2C 400mm,
External signal line - UL1007 AWG22(0.3sq) 400mm