

### Clear and Strong Signal Light Emitted through the Colored Diffusion Lens



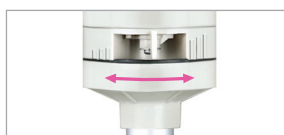
#### Common Specifications(QTG50/ QTG60/ QTG70)

- Modular steady/flashing type signal tower lights
- Excellent visibility from a distance with the use of a special color diffusing lens
- Can select from size selections of Ø50mm, Ø60mm, and Ø70mm to fit your sophisticated application needs
- The addition of modules and change in color arrangement can be achieved without the use of tools by using the Lock-type structure
- QTGA type offers a nifty integrated lens and cover for a simple aesthetically pleasing product
- A variety of mounting bracket selections for the pole mount type to fit your location and mounting needs
- Buzzer sound output : Sound volume of Max 85dB at 1m
- Available in 2 customized options; sounds buzzer type and high volume(105dB) buzzer type
- Can be used with NPN open collector transistor driven input, which allows direct connection to a PLC
- Flashing rate : 60-80 flashes/min
- Materials : Lens-PC, Housing-ABS, Pole-Al
- Ambient operating temperature : -30°C to +50°C
- Protection rating : Standard type-IP65, Built-in buzzer type-IP54
- Certificates : CE Compliant, UL Listed
- Compliant with RoHS directive



#### • Each modular color lens can be added without additional tools

QTG model uses a special contact structure for stable operation, the lens modules lock into place by rotating the modular structures together. This allows for easy changes to the color arrangement without any tools. Additional modules can be added.



• **Buzzer volume is adjusted via the volume control lever**  
 QTG type volume can be adjusted for each specific working condition with the equipped buzzer volume control lever at the bottom of the product.(-BZ type)

#### 1 High volume buzzer (105dB) option can be fitted to the top of the product. (Customization)

High volume 105dB volume buzzer module fastened to the top of the product provides 360 degree buzzer signal output which cannot be achieved with the single directional buzzer.(Buzzer volume cannot be adjusted)

#### 2 Integrated cover and lens model (QTGA50/ QTGA60/ QTGA70)

QTGA50/ QTGA60/ QTGA70 The sleek lens cover model is made of one piece for a simple unified look.

#### 3 Black body option available

Products can be configured with the black body and cover option. In addition, the buzzer option is also available in a black color body and buzzer.

#### 4 Can select from a variety of mounting brackets option to fit your application needs and build environment

There are a variety of mounting brackets options available depending on cost and installation requirements.



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



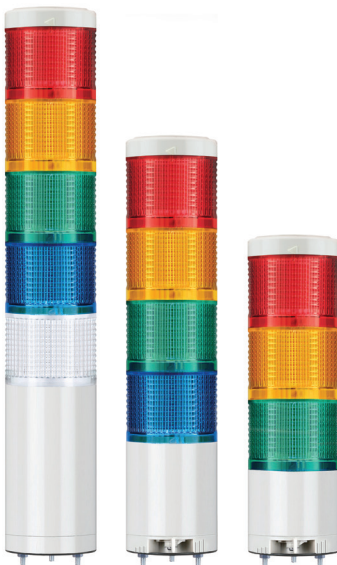
Electric Horn/  
Speakers



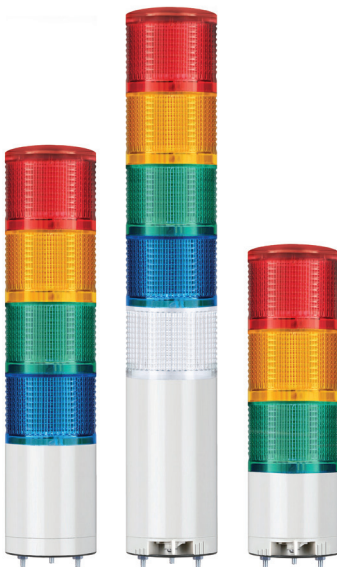
Industrial  
LED Lights

# QTG70ML

## Ø70mm LED Steady/Flashing Tower Lights

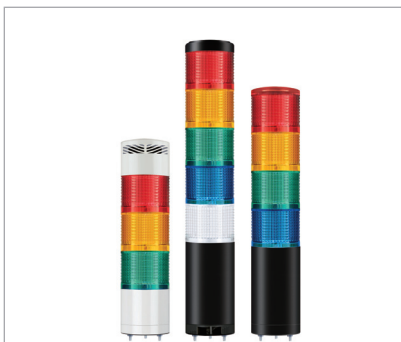


QTG70ML series



QTGA70ML series

### • Customization



- High buzzer module equipped on top/ Black housing tower lights.

### QTG70ML Ø70mm Direct Mount, LED Steady/Flashing Type

Model number	Layer	Voltage	Current	Certificates	Weight	Color
QTG70ML Steady	1	AC/DC12V	0.090A	DC24V only DC24V only	0.42kg	• R-Red
QTG70ML-BZ Steady /w built-in buzzer		AC/DC24V	0.050A		0.42kg	
QTG70MLF Steady/Flashing	2	AC/DC12V	0.180A		0.56kg	• R-Red • G-Green
QTG70MLF-BZ Steady/Flashing /w built-in buzzer		AC/DC24V	0.100A		0.66kg	
QTGA70ML Steady	3	AC/DC12V	0.270A		0.77kg	• R-Red • A-Amber • G-Green
QTGA70ML-BZ Steady /w built-in buzzer		AC/DC24V	0.150A		0.77kg	
QTGA70MLF Steady/Flashing	4	AC/DC12V	0.360A		0.92kg	• R-Red • A-Amber • G-Green • B-Blue
QTGA70MLF-BZ Steady/Flashing /w built-in buzzer		AC/DC24V	0.200A		1.02kg	
QTGA70MLF Steady/Flashing	5	AC/DC12V	0.450A		1.07kg	• R-Red • A-Amber • G-Green • B-Blue • W-White
QTGA70MLF-BZ Steady/Flashing /w built-in buzzer		AC/DC24V	0.250A		1.17kg	

※ AC type model has a free-voltage range of 100V-240V.

### Signal/ Audible Line Current(per each layer)

Voltage	AC/DC12V	AC/DC24V	AC110V-220V
Signal line current	0.090A	0.050A	Max 0.050A
Audible line current	0.016A	0.031A	Max 0.030A

### Wiring Instructions

- External power line standard : UL1015 AWG18(0.75sq)×2C 400mm
  - Signal line standard : UL1007 AWG22(0.3sq) 400mm
  - LED tower light can be wiring with external contact and transistor
- ※ Please refer to page 331-332 for detailed wiring instructions.

### Customization

- High buzzer module equipped on top(Lens should be within 4 layers)
- Black housing tower lights
- 2 buzzer sound types : Both prolonged (beep, beep) and staccato (beep, beep, beep) buzzer output available
- Wall mount bracket options : Bracket structure allows for threading through the bracket hole or into the wall mount

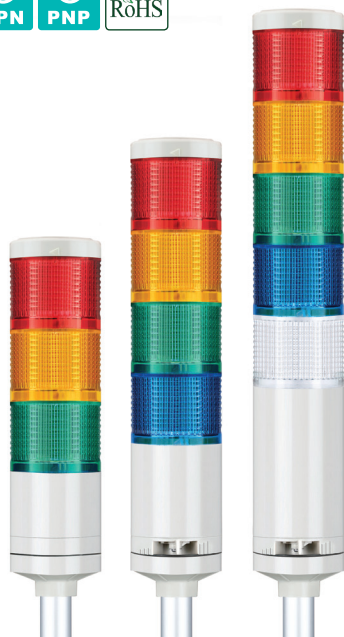


### Ordering Specification

QTG70ML	-	3	-	24	-	RAG
[Model number]		[Layer]		[Voltage]		[Color]
<ul style="list-style-type: none"> <li>• QTG70ML</li> <li>• QTG70ML-BZ</li> <li>• QTG70MLF</li> <li>• QTG70MLF-BZ</li> <li>• QTGA70ML</li> <li>• QTGA70ML-BZ</li> <li>• QTGA70MLF</li> <li>• QTGA70MLF-BZ</li> </ul>		<ul style="list-style-type: none"> <li>• 1-1Layer</li> <li>• 2-2Layers</li> <li>• 3-3Layers</li> <li>• 4-4Layers</li> <li>• 5-5Layers</li> </ul>		<ul style="list-style-type: none"> <li>• 12-DC12V</li> <li>• 24-DC24V</li> <li>• 110/220</li> <li>-AC110V-220V</li> </ul>		<ul style="list-style-type: none"> <li>• R-Red</li> <li>• A-Amber</li> <li>• G-Green</li> <li>• B-Blue</li> <li>• W-White</li> </ul>

# QTG70L

## Ø70mm LED Steady/Flashing Tower Lights



QTG70L series



QTGA70L series

### • Customization



- High buzzer module equipped on top/ Black housing tower lights.

### QTG70L Ø70mm Pole Mount, LED Steady/Flashing Type

Model number	Layer	Voltage	Current	Certificates	Weight	Color
QTG70L Steady	1	AC/DC12V	0.090A	CE DC24V only UL DC24V only	0.54kg	• R-Red
QTG70L-BZ Steady /w built-in buzzer		AC/DC24V	0.050A		0.64kg	
QTG70LF Steady/Flashing	2	AC/DC12V	0.180A		0.66kg	• R-Red • G-Green
QTG70LF-BZ Steady/Flashing /w built-in buzzer		AC/DC24V	0.100A		0.76kg	
QTGA70L Steady	3	AC/DC12V	0.270A		0.81kg	• R-Red • A-Amber • G-Green
QTGA70L-BZ Steady /w built-in buzzer		AC/DC24V	0.150A		0.90kg	
QTGA70LF Steady/Flashing	4	AC/DC12V	0.360A		0.96kg	• R-Red • A-Amber • G-Green • B-Blue
QTGA70LF-BZ Steady/Flashing /w built-in buzzer		AC/DC24V	0.200A		1.06kg	
QTGA70LF Steady/Flashing /w built-in buzzer	5	AC/DC12V	0.450A		1.20kg	• R-Red • A-Amber • G-Green • B-Blue • W-White
		AC/DC24V	0.250A		1.29kg	

※ AC type model has a free-voltage range of 100V-240V.

### Wiring Instructions

- External power line standard : UL1015 AWG18(0.75sq)×2C 400mm
- Signal line standard : UL1007 AWG22(0.3sq) 400mm
- LED tower light can be wiring with external contact and transistor
- ※ Please refer to page 331-332 for detailed wiring instructions.

### Mounting Bracket

Standard	LB24	LW24	QZ24	SZ24	QL24	SL24	QLA24
Steel	Steel	PC	PC	Al	PC	Al	PC

※ Please refer to page 34-39 for detailed dimensions.

### Customization

- 2 buzzer sound types : Both prolonged (beep, beep) and staccato (beep, beep) buzzer output available
- Customized pole length available
- High buzzer module equipped on top(Lens should be within 4 layers)
- Black housing tower lights

### Ordering Specification

<b>QTG70L</b>	-	<b>3</b>	-	<b>110/220</b>	-	<b>RAG</b>	-	<b>LW24</b>
[Model number]		[Layer]		[Voltage]		[Color]		[Mounting bracket]
<ul style="list-style-type: none"> <li>• QTG70L</li> <li>• QTG70L-BZ</li> <li>• QTG70LF</li> <li>• QTG70LF-BZ</li> <li>• QTGA70L</li> <li>• QTGA70L-BZ</li> <li>• QTGA70LF</li> <li>• QTGA70LF-BZ</li> </ul>		<ul style="list-style-type: none"> <li>• 1-1Layer</li> <li>• 2-2Layers</li> <li>• 3-3Layers</li> <li>• 4-4Layers</li> <li>• 5-5Layers</li> </ul>		<ul style="list-style-type: none"> <li>• 12-DC12V</li> <li>• 24-DC24V</li> <li>• 110/220</li> <li>-AC110V-220V</li> </ul>		<ul style="list-style-type: none"> <li>• R-Red</li> <li>• A-Amber</li> <li>• G-Green</li> <li>• B-Blue</li> <li>• W-White</li> </ul>		<ul style="list-style-type: none"> <li>• None</li> <li>-Standard</li> <li>• Bracket</li> <li>-LB24 -LW24</li> <li>-QZ24 -SZ24</li> <li>-QL24 -SL24</li> <li>-QLA24</li> </ul>



Warning/  
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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

# QTG series

## LED Steady/Flashing Tower Lights



### Technical Diagram

(Units : mm)

QTG50ML : DC  
QTG50MLF : DC  
QTG50ML-BZ : DC

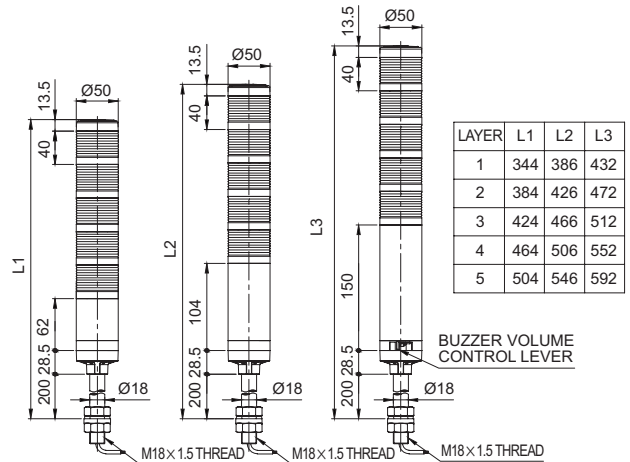
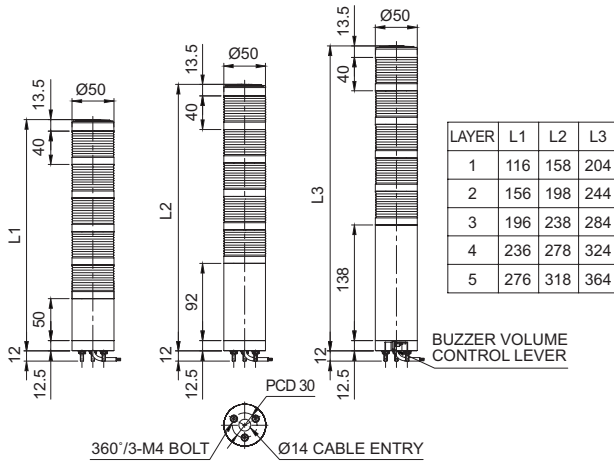
QTG50ML : AC  
QTG50MLF-BZ : DC

QTG50MLF : AC  
QTG50ML-BZ : AC  
QTG50MLF-BZ : AC

QTG50L : DC  
QTG50LF : DC  
QTG50L-BZ : DC

QTG50L : AC  
QTG50LF-BZ : DC

QTG50LF : AC  
QTG50L-BZ : AC  
QTG50LF-BZ : AC



QTG60ML : DC  
QTG60MLF : DC  
QTG60ML-BZ : DC

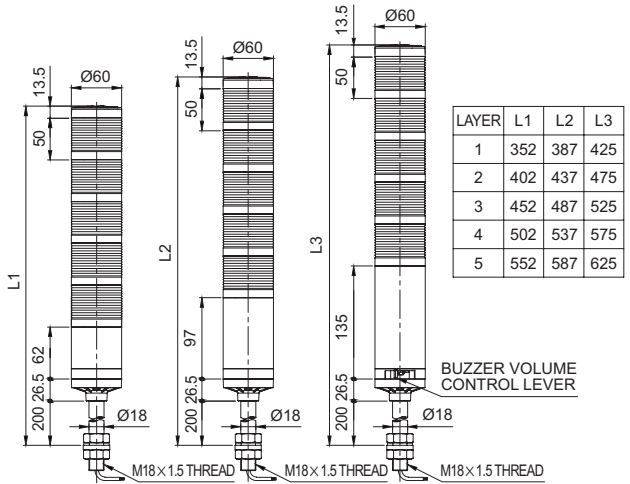
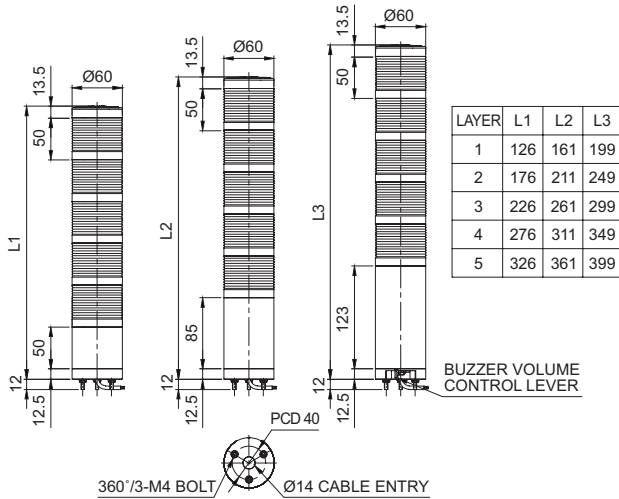
QTG60ML : AC  
QTG60MLF-BZ : DC

QTG60MLF : AC  
QTG60ML-BZ : AC  
QTG60MLF-BZ : AC

QTG60L : DC  
QTG60LF : DC  
QTG60L-BZ : DC

QTG60L : AC  
QTG60LF-BZ : DC

QTG60LF : AC  
QTG60L-BZ : AC  
QTG60LF-BZ : AC



QTG70ML : DC  
QTG70MLF : DC  
QTG70ML-BZ : DC

QTG70ML : AC  
QTG70MLF : AC  
QTG70ML-BZ : AC  
QTG70MLF-BZ : DC

QTG70MLF-BZ : AC

QTG70L : DC  
QTG70LF : DC  
QTG70L-BZ : DC

QTG70L : AC  
QTG70LF : AC  
QTG70L-BZ : AC  
QTG70LF-BZ : DC

QTG70LF-BZ : AC

