QTR50(M)L-USB





QTR50(M)L-USB Series

PRODUCT SPECIFICATION

QTR50(M)L-USB
QTR60(M)L-USB
QTR70(M)L-USB

Materials Lens-PC, Housing-ABS
Ambient operating temperature -30°C to +50°C
Volume Max. 85dB at 1m
Protection rating IP54
Compliant with RoHS directive

- LED tower light that communicates with a PC and is controlled by an application program on the PC through a USB port connection.
- Supports I/O input, allowing redundant control through PLC contacts in case of USB communication error. (Customized option)
- Supports I/O output, allowing status signals to be transmitted to an external PLC or control device, and external devices can be operated if required. (Customized option)
- Uses two PC USB ports rated at DC5V/500mA for power supply.
- Supports USB 2.0 Full Speed.
- Provides program libraries for integration with various applications in Windows environments.
- Signal lights support simultaneous operation of up to 2 layers.
- Qlight's USB Tower Lamp is an LED tower light connected to a PC (Personal Computer) through a USB interface and controlled by an application program for PC. It can be used with hosts that support USB 1.1 or higher, and up to 16 USB Tower Lamps can be connected to one PC.
- Supports Low Speed (1.5Mbps) and Full Speed (12Mbps) communication.
- The product uses HID (Human Interface Devices), which is built into the OS as the PC device driver. Therefore, no separate driver is required, and the product is controlled through communication with the PC application.
- Supported OS: 32bit/64bit Windows 7 or later
- Supported libraries:

No.	System Architecture (OS)	Supported Languages
1	x86 (32bit)	VB 6.0, C++ 6.0, VB, C++, C#
2	x64 (64bit)	VB, C++, C#

QTR50(M)L-USB Ø50mm USB Tower Light

Model number		Layers	Certificates	Color
QTR50(M)L-USB-BZ QTRA50(M)L-USB-BZ	5 Buzzer sounds	1 layer 2 layers 3 layers 4 layers 5 layers	CE	1 layer: R 2 layers: R G 3 layers: R A G 4 layers: R A G B 5 layers: R A G B W

Mounting bracket

Standard	LB18	LW18	QZ18	SZ18	QL18	SL18	SLB370
							
Steel	Steel	ABS	ABS	Al	ABS	Al	PC, Steel

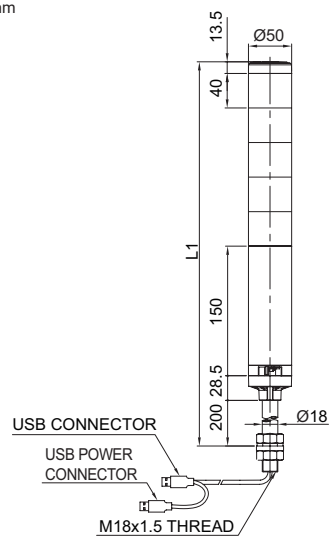
※ Please refer to [Tower Light Mounting bracket] on this catalogue for detailed dimensions

USB | IP54 | +50°C -30°C | BUZZER | 85dB | RoHS

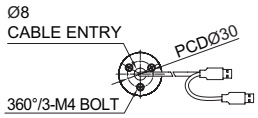
Technical Diagram

Units : mm

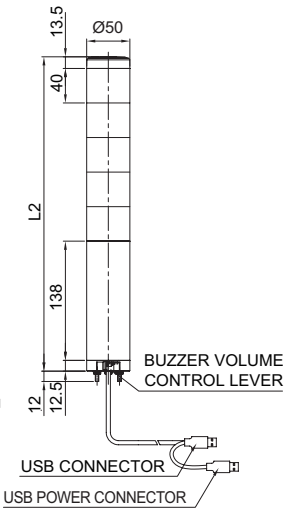
·QTR50L-USB-BZ



LAYER	L1	L2
1	432	204
2	472	244
3	512	284
4	552	324
5	592	364



·QTR50ML-USB-BZ



Customization

- External I/O contact interface
- Customized color arrangement available
- Customized pole length available
- Wall mount bracke



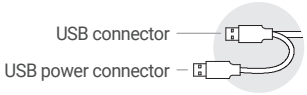
Wall mount bracket TWS45



Wall mount bracket TWA45

Wiring Instructions

· Connect both USB connector and USB power connector to PC



Ordering Specification

QTR50L-USB-BZ	-	3	-	RAG	-	LW18
[Model number]		[Layers]		[Color]		[Bracket]
QTR50L-USB-BZ QTR50ML-USB-BZ QTRA50L-USB-BZ QTRA50ML-USB-BZ		1-1 Layer 2-2 Layers 3-3 Layers 4-4 Layers 5-5 Layers		R-Red A-Amber G-Green B-Blue W-White		None-Standard Bracket -LB18 -LW18 -QZ18 -SZ18 -QL18 -SL18 -SLB370

※ Mount brackets are available for the pole mount type(QTR50L-USB Series) only

QTR60(M)L-USB

USB | IP54 | +50℃ -30℃ | BUZZER | 85dB | RoHS



QTR60(M)L-USB Series

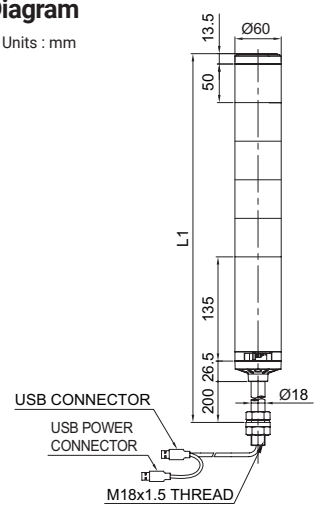
QTR60(M)L-USB Ø60mm USB Tower Light

Model number		Layers	Certificates	Color
QTR60(M)L-USB-BZ QTRA60(M)L-USB-BZ	5 Buzzer sounds	1 layer 2 layers 3 layers 4 layers 5 layers	CE	1 layer: R 2 layers: R G 3 layers: R A G 4 layers: R A G B 5 layers: R A G B W

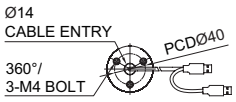
Technical Diagram

Units : mm

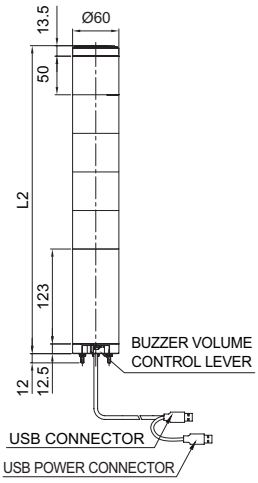
·QTR60L-USB-BZ



LAYER	L1	L2
1	435	199
2	485	249
3	535	299
4	585	349
5	635	399



·QTR60ML-USB-BZ



Wiring Instructions

· Connect both USB connector and USB power connector to PC



Mounting bracket

Standard	LB18	LW18	QZ18	SZ18	QL18	SL18	SLB370
							
Steel	Steel	ABS	ABS	Al	ABS	Al	PC, Steel

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

Customization

· External I/O contact interface
· Customized color arrangement available
· Customized pole length available
· Wall mount bracke



Wall mount bracket TWS45



Wall mount bracket TWA45

Ordering Specification

QTR60L-USB-BZ	-	3	-	RAG	-	LW18
[Model number]		[Layers]		[Color]		[Bracket]
QTR60L-USB-BZ QTR60ML-USB-BZ QTRA60L-USB-BZ QTRA60ML-USB-BZ		1-1 Layer 2-2 Layers 3-3 Layers 4-4 Layers 5-5 Layers		R-Red A-Amber G-Green B-Blue W-White		None-Standard Bracket -LB18 -LW18 -QZ18 -SZ18 -QL18 -SL18 -SLB370

※ Mount brackets are available for the pole mount type(QTR60L-USB Series) only

QTR70(M)L-USB

USB | IP54 | +50℃ -30℃ | BUZZER | 85dB | RoHS

QTR70(M)L-USB Ø70mm USB Tower Light, Pole mount

Model number		Layers	Certificates	Color
QTR70(M)L-USB-BZ QTRA70(M)L-USB-BZ	5 Buzzer sounds	1 layer 2 layers 3 layers 4 layers 5 layers	CE	1 layer: R 2 layers: R G 3 layers: R A G 4 layers: R A G B 5 layers: R A G B W



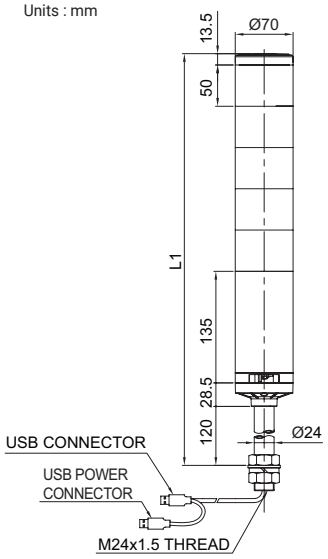


QTR70(M)L-USB Series

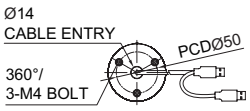
Technical Diagram

Units : mm

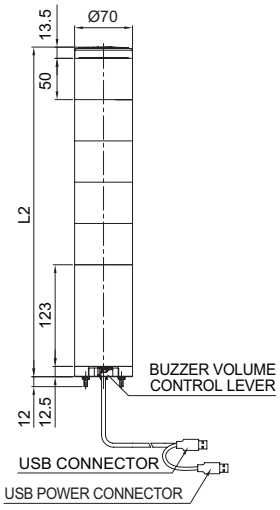
·QTR70L-USB-BZ



LAYER	L1	L2
1	357	199
2	407	249
3	457	299
4	507	349
5	557	399



·QTR70ML-USB-BZ



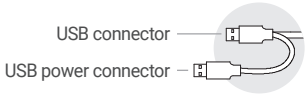
Mounting bracket

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

Wiring Instructions

· Connect both USB connector and USB power connector to PC



Ordering Specification

QTR70L-USB-BZ	-	3	-	RAG	-	LW24

[Model number]
QTR70L-USB-BZ
QTR70ML-USB-BZ
QTRA70L-USB-BZ
QTRA70ML-USB-BZ

[Layers]
1-1 Layer
2-2 Layers
3-3 Layers
4-4 Layers
5-5 Layers

[Color]
R-Red
A-Amber
G-Green
B-Blue
W-White

[Bracket]
None-Standard Bracket
-LB24 -LW24
-QZ24 -SZ24
-QL24 -SL24

※ Mount brackets are available for the pole mount type(QTR70L-USB Series) only

Customization

· External I/O contact interface
· Customized color arrangement available
· Customized pole length available
· Wall mount bracket



Wall mount bracket TWS80



Wall mount bracket TWA80