ST45(M)L-ETN

Ethernet | IP23 | +50℃ -30℃ | BUZZER | 90dB | SPK | 85dB

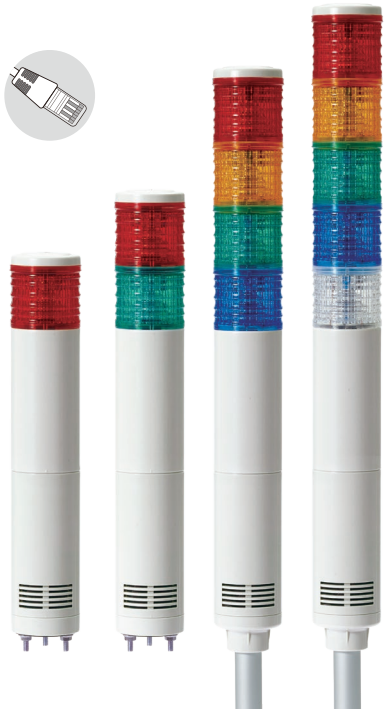
Remote control of equipment through Ethernet communication

PRODUCT SPECIFICATION

ST45(M)L-ETN | ST56(M)EL-ETN
ST80(M)EL-ETN

Buzzer sounds Max.90dB at 1m
Warning sounds Max.85dB at 1m(Based on WS-Ch1)
Protection rating IP23

- Supports industrial Modbus TCP (1:2), TCP/IP, UDP/IP, HTTP, and various communication protocols.
- Supports real-time network communication monitoring.
- External I/O contact support enables communication and redundant operation. (Customized option)
- Software controls the steady/flashing function
- Please refer to [Pre-recorded Sound Tone and Sound Combination Chart] for detailed information about selectable sound patterns.
- Ethernet port and power cable are provided with product
- LED module standard operation: 2 layers will operate at the same time



ST45(M)L-ETN Series

ST45(M)L-ETN Ø45mmEthernet LED Tower Lights

Model number	Layers	Voltage	Certificates	Color
ST45L-ETN ST45ML-ETN	1	DC12V DC24V AC110V AC220V	CE KC	R-Red
	2	DC12V DC24V AC110V AC220V		R-Red G-Green
	3	DC12V DC24V AC110V AC220V		R-Red A-Amber G-Green
	4	DC12V DC24V AC110V AC220V		R-Red A-Amber G-Green B-Blue
	5	DC12V DC24V AC110V AC220V		R-Red A-Amber G-Green B-Blue W-White

※ KC Certification: AC110V, 220V

Light source/signal sound current(based on 1 layer)

Voltage	DC12V	DC24V	AC110V	AC220V
Light source current(1 layer)	230mA	160mA	60mA	45mA
Signal sound current	350mA	230mA	85mA	55mA

Ordering Specification

ST45L-ETN-WS	-	3	-	24	-	RAG	-	LW18

[Model number]
ST45L-ETN-BZ
ST45L-ETN-WS
ST45L-ETN-WM
ST45L-ETN-WA
ST45ML-ETN-BZ
ST45ML-ETN-WS
ST45ML-ETN-WM
ST45ML-ETN-WA

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

[Voltage]
12-DC12V
24-DC24V
110-AC110V
220-AC220V

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

[Bracket]
None-Standard Bracket
-LB18 -LW18
-QZ18 -SZ18

Mount brackets are available for the pole mount type(ST45L-ETN series) only.

Mounting bracket

Standard	LB18	LW18	QZ18
			
Steel	Steel	ABS	ABS
SZ18	QL18	SL18	SLB370
			
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 bracket



Wall mount bracket TWS45



Wall mount bracket TWA45

Wiring Instructions

- Apply properly rated voltage through the POWER CABLE
- Connect the RJ45 connector of the UTP cable into the PC's Ethernet port or router
- External power line : UL1015 AWG18(0.75sq)×2C 400mm
- Power plug will be provided in case of AC type
- UTP cable : Category 5 cable
- DC type : Black output line is negative(-).

ST56(M)EL-ETN

Ethernet | IP23 | +50℃ -30℃ | BUZZER | 90dB | SPK | 85dB

Remote control of equipment through Ethernet communication



ST56(M)EL-ETN Series

ST56(M)EL-ETN Ø56mm Ethernet LED Tower Lights

Model number	Layers	Voltage	Certificates	Color
ST56EL-ETN ST56MEL-ETN	1	DC12V DC24V AC110V AC220V	CE KC	R-Red
	2	DC12V DC24V AC110V AC220V		R-Red G-Green
	3	DC12V DC24V AC110V AC220V		R-Red A-Amber G-Green
	4	DC12V DC24V AC110V AC220V		R-Red A-Amber G-Green B-Blue
	5	DC12V DC24V AC110V AC220V		R-Red A-Amber G-Green B-Blue W-White

※ KC Certification: AC110V, 220V

Light source/signal sound current(based on 1 layer)

Voltage	DC12V	DC24V	AC110V	AC220V
Light source current(1 layer)	240mA	165mA	65mA	50mA
Signal sound current	350mA	230mA	85mA	55mA

Wiring Instructions

- Apply properly rated voltage through the POWER CABLE
- Connect the RJ45 connector of the UTP cable into the PC's Ethernet port or router
- External power line - UL1015 AWG18(0.75sq) x 2C 400mm
- Power plug will be provided in case of AC type
- UTP cable: Category 5 cable
- DC type : Black output line is negative(-).

Customization

- External I/O contact interface
- Customized color arrangement available
- 70mm lens height(Standard 40mm)
- Customized pole length available
- Wall mount bracket



Wall mount bracket TWS45



Wall mount bracket TWA45

Mounting bracket

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

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

Ordering Specification

ST56EL-ETN-WS	-	3	-	220	-	RAG	-	QZ18

[Model number]	[Layers]	[Voltage]	[Color]	[Bracket]
ST56EL-ETN-BZ ST56EL-ETN-WS ST56EL-ETN-WM ST56EL-ETN-WA ST56MEL-ETN-BZ ST56MEL-ETN-WS ST56MEL-ETN-WM ST56MEL-ETN-WA	1-1 Layer 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 W-White	None-Standard Bracket -LB18 -LW18 -QZ18 -SZ18 -QL18 -SL18 -SLB370

Mount brackets are available for the pole mount type(ST56EL-ETN series) only.

ST80(M)EL-ETN

Ethernet | IP23 | +50℃ -30℃ | BUZZER | 90dB | SPK | 85dB

Remote control of equipment through Ethernet communication

ST80(M)EL-ETN Ø80mm Ethernet LED Tower Lights

Model number	Layers	Voltage	Certificates	Color
ST80EL-ETN ST80MEL-ETN	1	DC12V DC24V AC110V AC220V	KC	R-Red
	2	DC12V DC24V AC110V AC220V		R-Red G-Green
	3	DC12V DC24V AC110V AC220V		R-Red A-Amber G-Green
	4	DC12V DC24V AC110V AC220V		R-Red A-Amber G-Green B-Blue
	5	DC12V DC24V AC110V AC220V		R-Red A-Amber G-Green B-Blue W-White

※ KC Certification: AC110V, 220V



ST80(M)EL-ETN Series

Light source/signal sound current(based on 1 layer)

Voltage	DC12V	DC24V	AC110V	AC220V
Light source current(1 layer)	230mA	160mA	60mA	45mA
Signal sound current	350mA	230mA	85mA	55mA

Wiring Instructions

- Apply properly rated voltage through the POWER CABLE
- Connect the RJ45 connector of the UTP cable into the PC's Ethernet port or router
- External power line - UL1015 AWG18(0.75sq) x 2C 400mm
- Power plug will be provided in case of AC type
- UTP cable: Category 5 cable
- DC type : Black output line is negative(-).

Customization

- External I/O contact interface
- Customized color arrangements available
- 70mm lens height(Standard 40mm)
  (Model number: ST80(M)L-ETN)
- Customized pole length available
- Wall mount bracket



Wall mount bracket TWS80



Wall mount bracket TWA80

Ordering Specification

ST80EL-ETN-WS	-	3	-	24	-	RAG	-	QZ24
[Model number]		[Layers]		[Voltage]		[Color]		[Bracket]
ST80EL-ETN-BZ ST80EL-ETN-WS ST80EL-ETN-WM ST80EL-ETN-WA ST80MEL-ETN-BZ ST80MEL-ETN-WS ST80MEL-ETN-WM ST80MEL-ETN-WA		1-1 Layer 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 W-White		None-Standard Bracket -LB24 -LW24 -QZ24 -SZ24 -QL24 -SL24

Mount brackets are available for the pole mount type(ST80EL-ETN series) only.

Mounting bracket

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

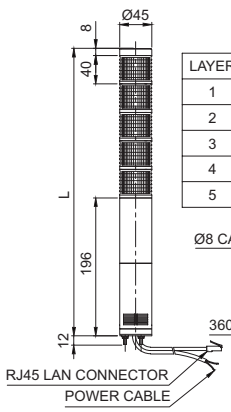
※ Please refer to [Tower Light Mounting Bracket] on this catalogue for detailed dimensions

ST-ETN Series

Technical Diagram

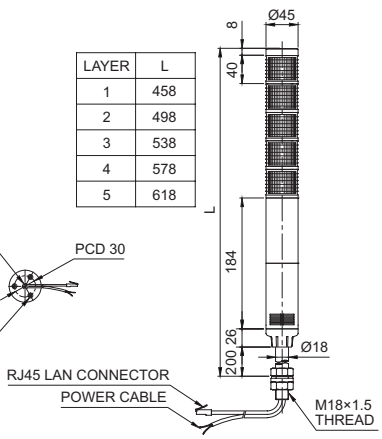
Units : mm

·ST45ML-ETN



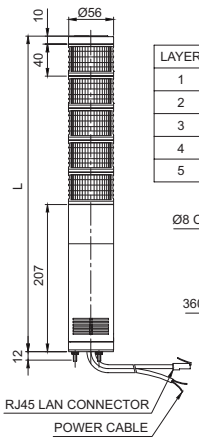
LAYER	L
1	244
2	284
3	324
4	364
5	404

·ST45L-ETN

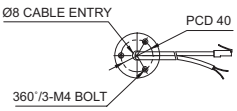


LAYER	L
1	458
2	498
3	538
4	578
5	618

·ST56MEL-ETN



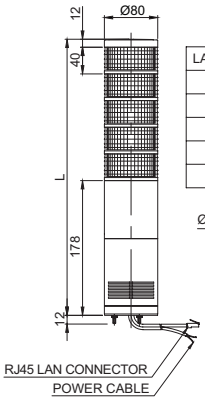
LAYER	L
1	257
2	322
3	387
4	452
5	517



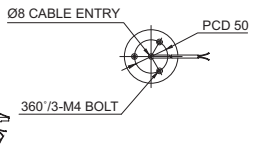
·ST56EL-ETN

LAYER	L
1	471
2	511
3	551
4	591
5	631

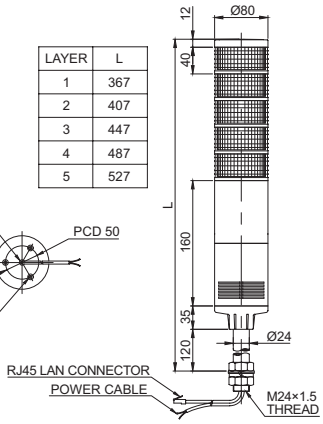
·ST80MEL-ETN



LAYER	L
1	230
2	270
3	310
4	350
5	390



·ST80EL-ETN



LAYER	L
1	367
2	407
3	447
4	487
5	527