



QLIGHT ST8 LED Steady Flashing Tower Lights User Manual

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QLIGHT ST8 LED Steady Flashing Tower Lights User Manual



Thank you for purchasing Qlight's products. Please read this user manual carefully prior to installation and operation to ensure safe and correct use.

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Precautions for Safety

Failure to follow the instructions below may cause a loss of life or serious physical injury.

1. During wiring or maintenance, please completely turn off the power of the product. (Failure to follow this may lead to an electric shock.)
2. Do not install the product in locations that subjects it to excessive dust or water other than the conditions designated by the IP protection ratings indicated for each product. (Failure to follow these instructions may cause a fire to the product, electric shock, physical injury, malfunction or damage to the product.)
3. Do not alter or repair this product. If maintenance or repair service is required, please contact your local Qlight contact point. (Failure to follow these instructions may lead to fire, electric shock, or product damage.)
4. Please apply the correct voltage to the product. (Failure to follow these instructions may lead to fire, electric shock, or product damage.)
5. When the product is applied to a condition that may impact lives or property, please make sure to have a double safety device. (Failure to follow this may cause damage to property, fire, electric shock and loss of life.)

Precautions for Correct Use

Failure to follow the proper instructions may cause damage to property, the product, or malfunction of the product that would void the warranty.

1. Please remove any objects that can interrupt ventilation around the product.
2. Please turn off the power of the product immediately if it fails to operate properly.
3. Carefully wire the product according to each product's specification.
4. Please be careful in preventing chemicals such as thinner, benzene, etc. in contact with the surface of the product.
5. Do not apply excessive force/impact to the product.
6. Failure to follow any of the instructions above may cause malfunction or damage to the product, fire, and electric shock.

Ordering Specifications

ST45/ 56ML [Model number] • ST45/ 56ML • ST45/ 56ML-BZ • ST45/ 56ML-WS • ST45/ 56ML-WM • ST45/ 56ML-WA • ST45/ 56MLF • ST45/ 56MLF-BZ • ST45/ 56MLF-WS • ST45/ 56MLF-WM • ST45/ 56MLF-WA	-	3 [Layer count] • 1-1 Layer • 2-2Layers • 3-3 Layers • 4-4 Layers • 5-5 Layers	-	110/220 [Voltage] • 12-DC12V • 24-DC24V • 110-AC110V • 220-AC220V	-	RAG [Color] R-Red A-Amber G-Green B-Blue W-White	ST45/ 56L [Model number] • ST45/ 56L • ST45/ 56L-BZ • ST45/ 56L-WS • ST45/ 56L-WM • ST45/ 56L-WA • ST45/ 56LF • ST45/ 56LF-BZ • ST45/ 56LF-WS • ST45/ 56LF-WM • ST45/ 56LF-WA	-	3 [Layer count] • 1-1 Layer • 2-2Layers • 3-3 Layers • 4-4 Layers • 5-5 Layers	-	110/220 [Voltage] • 12-DC12V • 24-DC24V • 110-AC110V • 220-AC220V	-	RAG [Color] R-Red A-Amber G-Green B-Blue W-White	-	LW18 [Mounting option] • (Blank) - Standard type • Mounting type - LB18 - LW18 - QZ18 - SZ18 - QL18 - SL18 - QLA18
ST80ML [Model number] • ST80ML • ST80ML-BZ • ST80ML-WS • ST80ML-WM • ST80ML-WA • ST80MLF • ST80MLF-BZ • ST80MLF-WS • ST80MLF-WM • ST80MLF-WA	-	3 [Layer count] • 1-1 Layer • 2-2Layers • 3-3 Layers • 4-4 Layers • 5-5 Layers	-	110/220 [Voltage] • 12-DC12V • 24-DC24V • 110-AC110V • 220-AC220V	-	RAG [Color] R-Red A-Amber G-Green B-Blue W-White	ST80L [Model number] • ST80L • ST80L-BZ • ST80L-WS • ST80L-WM • ST80L-WA • ST80LF • ST80LF-BZ • ST80LF-WS • ST80LF-WM • ST80LF-WA	-	3 [Layer count] • 1-1 Layer • 2-2Layers • 3-3 Layers • 4-4 Layers • 5-5 Layers	-	110/220 [Voltage] • 12-DC12V • 24-DC24V • 110-AC110V • 220-AC220V	-	RAG [Color] R-Red A-Amber G-Green B-Blue W-White	-	LW24 [Mounting option] • (Blank) - Standard type • Mounting type - LB24 - LW24 - QZ24 - SZ24 - QL24 - SL24 - QLA24
ST56MEL [Model number] • ST56MEL • ST56MEL-BZ • ST56MEL-WS • ST56MEL-WM • ST56MEL-WA • ST56MELF • ST56MELF-BZ • ST56MELF-WS • ST56MELF-WM • ST56MELF-WA	-	3 [Layer count] • 1-1 Layer • 2-2Layers • 3-3 Layers • 4-4 Layers • 5-5 Layers	-	110/220 [Voltage] • 12-DC12V • 24-DC24V • 110-AC110V • 220-AC220V	-	RAG [Color] R-Red A-Amber G-Green B-Blue W-White	ST56EL [Model number] • ST56EL • ST56EL-BZ • ST56EL-WS • ST56EL-WM • ST56EL-WA • ST56ELF • ST56ELF-BZ • ST56ELF-WS • ST56ELF-WM • ST56ELF-WA	-	3 [Layer count] • 1-1 Layer • 2-2Layers • 3-3 Layers • 4-4 Layers • 5-5 Layers	-	110/220 [Voltage] • 12-DC12V • 24-DC24V • 110-AC110V • 220-AC220V	-	RAG [Color] R-Red A-Amber G-Green B-Blue W-White	-	LW18 [Mounting option] • (Blank) - Standard type • Mounting type - LB18 - LW18 - QZ18 - SZ18 - QL18 - SL18 - QLA18
ST80MEL [Model number] • ST80MEL • ST80MEL-BZ • ST80MEL-WS • ST80MEL-WM • ST80MEL-WA • ST80MELF • ST80MELF-BZ • ST80MELF-WS • ST80MELF-WM • ST80MELF-WA	-	3 [Layer count] • 1-1 Layer • 2-2Layers • 3-3 Layers • 4-4 Layers • 5-5 Layers	-	110/220 [Voltage] • 12-DC12V • 24-DC24V • 110-AC110V • 220-AC220V	-	RAG [Color] R-Red A-Amber G-Green B-Blue W-White	ST80EL [Model number] • ST80EL • ST80EL-BZ • ST80EL-WS • ST80EL-WM • ST80EL-WA • ST80ELF • ST80ELF-BZ • ST80ELF-WS • ST80ELF-WM • ST80ELF-WA	-	3 [Layer count] • 1-1 Layer • 2-2Layers • 3-3 Layers • 4-4 Layers • 5-5 Layers	-	110/220 [Voltage] • 12-DC12V • 24-DC24V • 110-AC110V • 220-AC220V	-	RAG [Color] R-Red A-Amber G-Green B-Blue W-White	-	LW24 [Mounting option] • (Blank) - Standard type • Mounting type - LB24 - LW24 - QZ24 - SZ24 - QL24 - SL24 - QLA24

Product Specifications

ST45ML

Model number	Layer c ount	Voltage	Current	Certificate	Weight	Color

		AC/DC12V	0.040A	 	0.19kg	
	1	AC/DC24V AC110V	0.040A 0.024A		0.19kg 0.25kg	R-Red
		AC220V	0.012A		0.25kg	
		AC/DC12V	0.080A		0.21kg	
* ST45ML * ST45ML-BZ	2	AC/DC24V AC110V	0.080A 0.026A		0.21kg 0.29kg	R-Red G-Green
ST45ML-WS		AC220V	0.013A		0.29kg	
ST45ML-WM ST45ML-WA* ST45MLF* ST45MLF-BZ	3	AC/DC12V AC/D C24V AC110V A C220V	0.120A 0.120A 0.028A 0.014A		0.25kg 0.25kg 0.34kg 0.34kg	R-Red A-Amber G-Green
ST45MLF-WS ST45MLF-WM ST45MLF-WA	4	AC/DC12V AC/D C24V AC110V	0.160A 0.160A 0.031A		0.30kg 0.30kg 0.38kg	R-Red A-Amber G-Green
		AC220V	0.015A		0.38kg	B-Blue

	5	AC/DC12V AC/D C24V AC110V A C220V	0.200A 0.200A 0.033A 0.016A		0.34kg 0. 34kg 0.42 kg 0.42kg	R-Red A Amber G-Gr een B-Blue W-White
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ST45L

Model number	Layer count	Voltage	Current	Certificate	Weight	Color
		AC/DC12V	0.040A		0.35kg	
	1	AC/DC24VAC110V	0.040A0.024A		0.35kg 0.45kg	R-Red
		AC220V	0.012A		0.45kg	
		AC/DC12V	0.080A		0.39kg	
* ST45L* ST45L-BZ	2	AC/DC24VAC110V	0.080A0.026A		0.39kg 0.49kg	R-RedG-Green
ST45L-WS		AC220V	0.013A		0.49kg	
ST45L-WM ST45L-WA* ST45LF* ST45LF-BZ	3	AC/DC12V AC/DC24V AC110V AC220V	0.120A0.120A 0.028A0.014A		0.44kg 0.44kg 0.54kg 0.54kg	R-RedA-Amber G-Green
ST45LF-WS ST45LF-WMST45LF-WA	4	AC/DC12V AC/DC24V AC110V	0.160A0.160A 0.031A		0.48kg 0.48kg 0.58kg	R-RedA-Amber G-Green
		AC220V	0.015A		0.58kg	B-Blue
	5	AC/DC12V AC/DC24V AC110V AC220V	0.200A0.200A 0.033A0.016A		0.52kg 0.52kg 0.62kg 0.62kg	R-RedA-Amber G-Green B-Blue W-White

ST56MEL

Model number	Layer count	Voltage	Current	Certificate	Weight	Color
		AC/DC12V	0.060A		0.26kg	
	1	AC/DC24VAC110V	0.040A0.044A		0.26kg 0.42kg	R-Red
		AC220V	0.022A		0.42kg	
		AC/DC12V	0.120A		0.32kg	
* ST56MEL* ST56MEL-BZ	2	AC/DC24VAC110V	0.080A0.048A		0.32kg 0.48kg	R-RedG-Green
ST56MEL-WS		AC220V	0.024A		0.48kg	
ST56MEL-WM ST56MEL-WA* ST56MELF* ST56MELF-BZ	3	AC/DC12V AC/DC24V AC110V AC220V	0.180A0.120A 0.053A0.026A		0.37kg 0.37kg 0.54kg 0.54kg	R-RedA-Amber G-Green
ST56MELF-WS ST56MELF-WMST56MELF-WA	4	AC/DC12V AC/DC24V AC110V	0.240A0.160A 0.057A		0.43kg 0.43kg 0.59kg	R-RedA-Amber G-Green
		AC220V	0.028A		0.59kg	B-Blue
	5	AC/DC12V AC/DC24V AC110V AC220V	0.300A0.200A 0.062A0.031A		0.49kg 0.49kg 0.65kg 0.65kg	R-RedA-Amber G-Green B-Blue W-White

ST56EL

Model number	Layer count	Voltage	Current	Certificate	Weight	Color
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		AC/DC12V	0.060A	 	0.41kg	
	1	AC/DC24V AC110V	0.040A 0.044A		0.41kg 0.57kg	R-Red
		AC220V	0.022A		0.57kg	
		AC/DC12V	0.120A		0.47kg	
* ST56EL * ST56EL-BZ	2	AC/DC24V AC110V	0.080A 0.048A		0.47kg 0.62kg	R-Red G-Green
ST56EL-WS		AC220V	0.024A		0.62kg	
ST56EL-WM ST56EL-WA * ST56ELF * ST56ELF-BZ	3	AC/DC12V AC/D C24V AC110V A C220V	0.180A 0.120A 0.053A 0.026A		0.52kg 0.52kg 0.68kg 0.68kg	R-Red A-Amber G-Green
ST56ELF-WS ST56ELF-WM ST56ELF-WA	4	AC/DC12V AC/D C24V AC110V	0.240A 0.160A 0.057A		0.58kg 0.58kg 0.74kg	R-Red A-Amber G-Green
		AC220V	0.028A		0.74kg	B-Blue

	5	AC/DC12V AC/D C24V AC110V A C220V	0.300A 0.200A 0.062A 0.031A		0.63kg 0. 63kg 0.75 kg 0.75kg	R-Red A-Amber G- Green B- Blue W-Whi te
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ST56ML

Model number	Layer c ount	Voltage	Current	Certificate	Weight	Color
		AC/DC12V	0.120A		0.22kg	
	1	AC/DC24V AC110V	0.080A 0.048A		0.22kg 0. 45kg	R-Red
		AC220V	0.024A		0.45kg	
		AC/DC12V	0.240A		0.30kg	
* ST56ML * ST56ML-BZ	2	AC/DC24V AC110V	0.160A 0.057A		0.30kg 0. 53kg	R-Red G-Green
ST56ML-WS		AC220V	0.028A	 	0.53kg	
ST56ML-WM ST56M L-WA *ST56MLF *ST56MLF-BZ	3	AC/DC12V AC/D C24V AC110V A C220V	0.360A 0.240A 0.066A 0.033A		0.38kg 0. 38kg 0.61 kg 0.61kg	R-Red A-Amber G- Green

ST56MLF-WS ST56MLF-WM ST56 MLF-WA	4	AC/DC12V AC/D C24V AC110V	0.480A 0.320A 0.075A		0.46kg 0. 46kg 0.70 kg	R-Red A-Amber G- Green
		AC220V	0.037A		0.70kg	B-Blue
	5	AC/DC12V AC/D C24V AC110V A C220V	0.600A 0.400A 0.082A 0.041A		0.54kg 0. 54kg 0.78 kg 0.78kg	R-Red A-Amber G- Green B- Blue W-Whi te

ST56L

Model number	Layer c ount	Voltage	Current	Certificate	Weight	Color
		AC/DC12V	0.120A			
			0.080A0.048A		0.44kg 0. 60kg	R-Red
		AC220V	0.024A		0.60kg	
		AC/DC12V	0.240A		0.52kg	

* ST56L* ST56L-BZ ST56L-WS ST56L-W M ST56L-WA* ST56LF* ST56LF-BZ ST56LF-WS ST56LF-WM ST56LF -WA	2	AC/DC24VAC110 V AC220V	0.160A0.057A 0.028A	 	0.52kg 0. 68kg 0.68 kg	R-Red G-Gr een
	3	AC/DC12V AC/D C24V AC110V A C220V	0.360A0.240A 0.066A0.033A		0.60kg 0. 60kg 0.76 kg 0.76kg	R-RedA-Am ber G-Gree n
	4	AC/DC12V AC/D C24V AC110V A C220V	0.480A0.320A 0.075A0.037A		0.68kg 0. 68kg 0.84 kg 0.84kg	R-RedA-Am ber G-Gree n B-Blue
	5	AC/DC12V AC/D C24V AC110V A C220V	0.600A0.400A 0.082A0.041A		0.77kg 0. 77kg 0.93 kg 0.93kg	R-RedA-Am ber G-Gree n B-Blue W- White

- Models with an asterisk mark (*) have certification.
- CE compliant : DC12V/24V
- UL listed : DC24V

ST80MEL

Model number	Layer count	Voltage	Current	Certificate	Weight	Color
		AC/DC12V	0.080A		0.36kg	
	1	AC/DC24VAC110V	0.040A0.046A		0.36kg 0.59kg	R-Red
		AC220V	0.023A		0.59kg	
		AC/DC12V	0.160A		0.45kg	
* ST80MEL* ST80MEL-BZ	2	AC/DC24VAC110V	0.080A0.051A		0.45kg 0.68kg	R-RedG-Green
ST80MEL-WS		AC220V	0.025A		0.68kg	
ST80MEL-WM ST80MEL-WA ST80MELF ST80MELF-BZ	3	AC/DC12V AC/DC24V AC110V AC220V	0.240A0.120A0.057A0.028A		0.55kg 0.55kg 0.76kg 0.76kg	R-RedA-Amber G-Green
ST80MELF-WS		AC/DC12V	0.320A		0.64kg	R-Red
ST80MELF-WMST80MELF-WA	4	AC/DC24VAC110V	0.160A0.064A		0.64kg 0.87kg	A-Amber G-Green
		AC220V	0.032A		0.87kg	B-Blue
	5	AC/DC12V AC/DC24V AC110V AC220V	0.400A0.200A0.071A0.035A		0.73kg 0.73kg 0.96kg 0.96kg	R-RedA-Amber G-Green B-Blue W-White

ST80EL

Model number	Layer count	Voltage	Current	Certificate	Weight	Color
		AC/DC12V	0.080A		0.58kg	
	1	AC/DC24VAC110V	0.040A0.046A		0.58kg 0.81kg	R-Red
		AC220V	0.023A		0.81kg	
		AC/DC12V	0.160A		0.67kg	
* ST80EL* ST80EL-BZ ST80EL-WS ST80EL-WM ST80EL-WA ST80ELF ST80ELF-BZ ST80ELF-WS ST80ELF-WM ST80ELF-WA	2	AC/DC24VAC110V AC220V	0.080A0.051A0.025A		0.67kg 0.91kg 0.91kg	R-Red G-Green
	3	AC/DC12V AC/DC24V AC110V AC220V	0.240A0.120A0.057A0.028A		0.77kg 0.77kg 1.00kg 1.00kg	R-RedA-Amber G-Green
	4	AC/DC12V AC/DC24V AC110V AC220V	0.320A0.160A0.064A0.032A		0.86kg 0.86kg 1.09kg 1.09kg	R-RedA-Amber G-Green B-Blue
	5	AC/DC12V AC/DC24V AC110V AC220V	0.400A0.200A0.071A0.035A		0.95kg 0.95kg 1.19kg 1.19kg	R-RedA-Amber G-Green B-Blue White

ST80ML

Model number	Layer count	Voltage	Current	Certificate	Weight	Color
		AC/DC12V	0.160A		0.40kg	
	1	AC/DC24VAC110V	0.080A0.055A		0.40kg 0.64kg	R-Red
		AC220V	0.027A		0.64kg	
		AC/DC12V	0.320A		0.54kg	
* ST80ML* ST80ML-BZ	2	AC/DC24VAC110V	0.160A0.064A		0.54kg 0.78kg	R-RedG-Green
ST80ML-WS		AC220V	0.032A		0.78kg	
ST80ML-WM ST80ML-WA ST80MLFST80MLF-BZ	3	AC/DC12V AC/DC24V AC110V AC220V	0.480A0.240A0.073A0.036A		0.68kg 0.68kg 0.92kg 0.92kg	R-RedA-Amber G-Green
ST80MLF-WS		AC/DC12V	0.640A		0.83kg	R-Red
ST80MLF-WMST80MLF-WA	4	AC/DC24VAC110V	0.320A0.084A		0.83kg 1.06kg	A-Amber G-Green
		AC220V	0.042A		1.06kg	B-Blue
	5	AC/DC12V AC/DC24V AC110V AC220V	0.800A0.400A0.093A0.046A		0.97kg 0.97kg 1.20kg 1.20kg	R-RedA-Amber G-Green B-Blue W-White

ST80L

Model number	Layer count	Voltage	Current	Certificate	Weight	Color
		AC/DC12V	0.160A		0.62kg	
	1	AC/DC24VAC110V	0.080A0.055A		0.62kg 0.86kg	R-Red
		AC220V	0.027A		0.86kg	

		AC/DC12V	0.320A		0.77kg	
* ST80L* ST80L-BZ ST80L-WS ST80L-W M ST80L-WA ST80L F ST80LF-BZ ST80L F-WS ST80LF-WM S T80LF-WA	2	AC/DC24VAC11 0V AC220V	0.160A0.064A0 .032A		0.77kg 1. 00kg 1.00kg	R-Red G-Gr een
	3	AC/DC12V AC/D C24V AC110V A C220V	0.480A0.240A0 .073A0.036A		0.91kg 0. 91kg 1.14kg 1. 14kg	R-RedA-Am ber G-Gree n
	4	AC/DC12V AC/D C24V AC110V A C220V	0.640A0.320A0 .084A0.042A		1.05kg 1. 05kg 1.29kg 1. 29kg	R-RedA-Am ber G-Gree n B-Blue
	5	AC/DC12V AC/D C24V AC110V A C220V	0.800A0.400A0 .093A0.046A		1.19kg 1. 19kg 1.14kg 1. 14kg	R-RedA-Am ber G-Gree n B-Blue W- White

- Models with an asterisk mark (*) have certification.
- CE compliant : DC12V/24V
- UL listed : DC24V

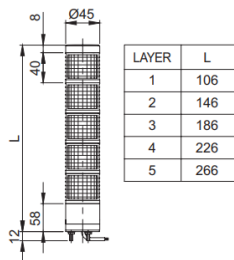
Signal/ Audible line current(Per each layer)

Model number	Current	AC/DC12V	AC/DC24V	AC110V	AC220V
ST45ML ST45L	Signal line current	0.040A	0.040A	0.024A	0.012A
	Audible line current	0.016A	0.031A	0.027A	0.030A
ST56MEL ST56EL	Signal line current	0.060A	0.040A	0.044A	0.022A
	Audible line current	0.016A	0.031A	0.027A	0.030A
ST56ML ST56L	Signal line current	0.120A	0.080A	0.048A	0.024A
	Audible line current	0.016A	0.031A	0.027A	0.030A
ST80MEL ST80EL	Signal line current	0.080A	0.040A	0.046A	0.023A
	Audible line current	0.016A	0.031A	0.027A	0.030A
ST80ML ST80L	Signal line current	0.160A	0.080A	0.055A	0.027A
	Audible line current	0.016A	0.031A	0.027A	0.030A

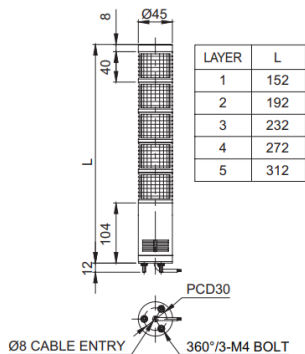
Dimensions

ST45ML/ ST45L

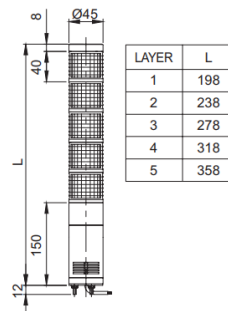
ST45ML : AC/DC
ST45ML-BZ : DC
ST45MLF : DC



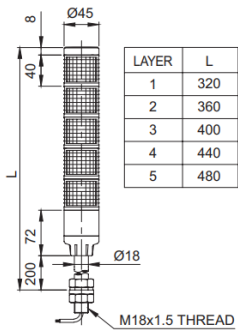
ST45ML-BZ : AC
ST45MLF : AC
ST45MLF-BZ : DC



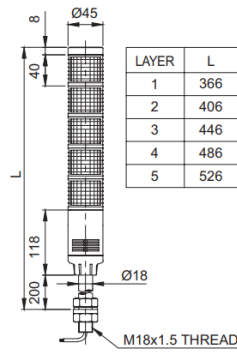
ST45MLF-BZ : AC



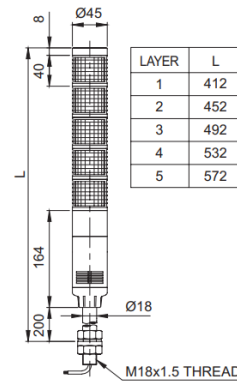
ST45L : AC/DC
ST45L-BZ : DC
ST45LF : DC



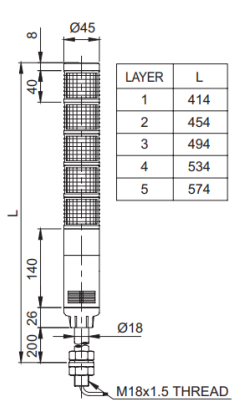
ST45L-BZ : AC
ST45LF : AC
ST45LF-BZ : DC



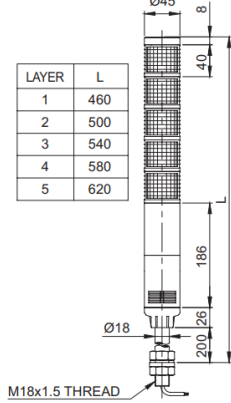
ST45LF-BZ : AC



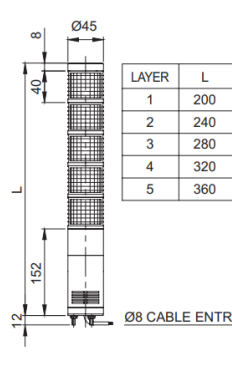
ST45L-W□ : DC
ST45LF-W□ : DC



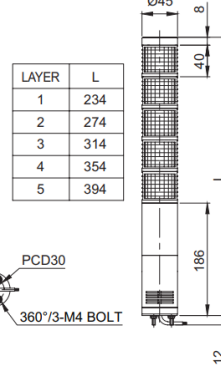
ST45L-W□ : AC
ST45LF-W□ : AC



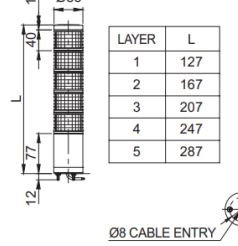
ST45ML-W□ : DC
ST45MLF-W□ : DC



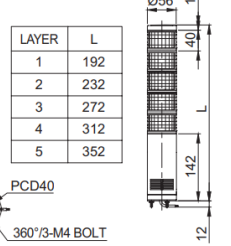
ST45ML-W□ : AC
ST45MLF-W□ : AC



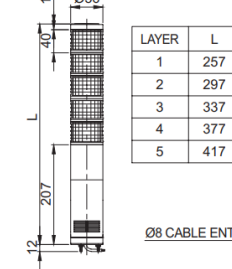
ST56ML : AC/DC
ST56ML-BZ : DC
ST56MLF : DC



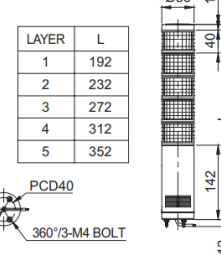
ST56ML-BZ : AC
ST56MLF-BZ : AC/DC
ST56MLF : AC



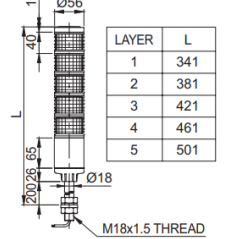
ST56ML-W□ : AC
ST56MLF-W□ : AC



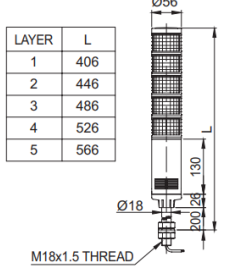
ST56ML-W□ : DC
ST56MLF-W□ : DC



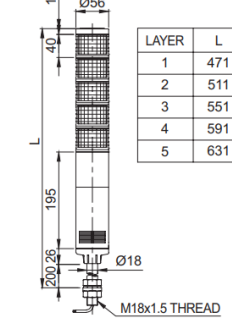
ST56EL : AC/DC
ST56EL-BZ : DC
ST56ELF : DC



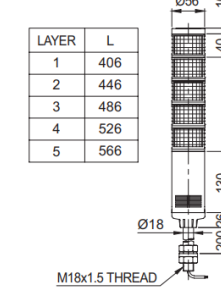
ST56EL-BZ : AC
ST56ELF-BZ : AC/DC
ST56ELF : AC



ST56EL-W□ : AC
ST56ELF-W□ : AC

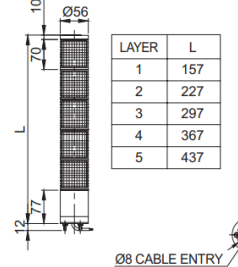


ST56EL-W□ : DC
ST56ELF-W□ : DC

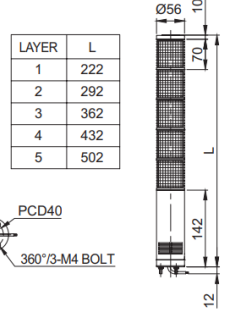


• ST56ML/ ST56L

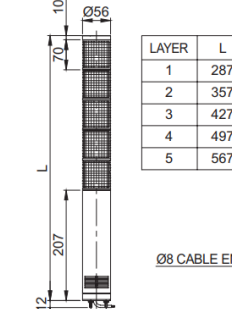
ST56ML : AC/DC
ST56ML-BZ : DC



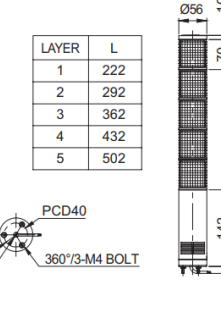
ST56ML-BZ : AC
ST56MLF-BZ : AC/DC



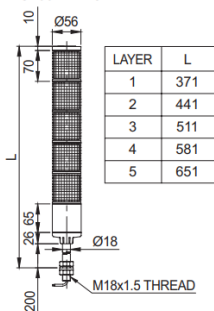
ST56ML-W□ : AC
ST56MLF-W□ : AC



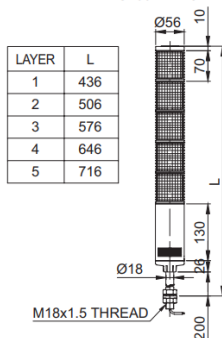
ST56ML-W□ : DC
ST56MLF-W□ : DC



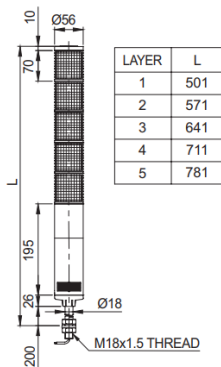
ST56L : AC/DC
ST56L-BZ : DC
ST56LF : DC



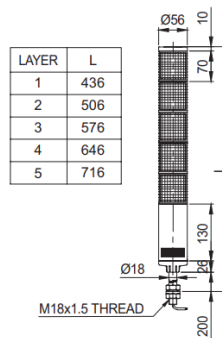
ST56L-BZ : AC
ST56LF-BZ : AC/DC
ST56LF : AC



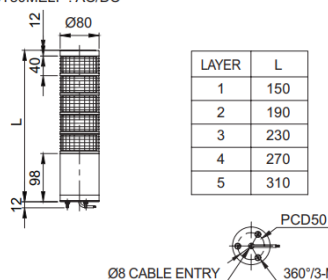
ST56L-W□ : AC
ST56LF-W□ : AC



ST56L-W□ : DC
ST56LF-W□ : DC



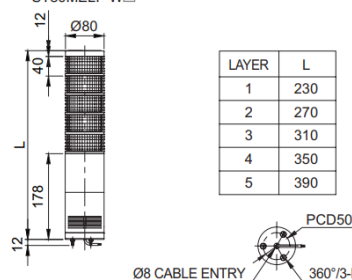
ST80MEL : AC/DC
ST80MELF : AC/DC



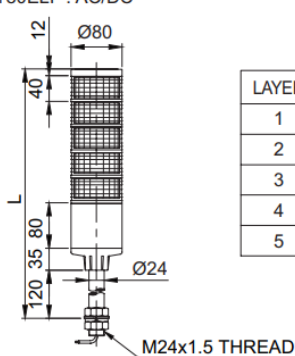
ST80MEL-BZ : AC/DC
ST80MELF-BZ : AC/DC



ST80MEL-W□
ST80MELF-W□



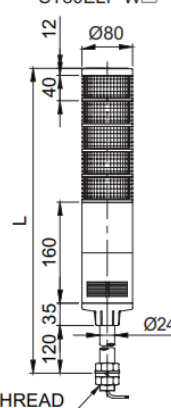
ST80EL : AC/DC
ST80ELF : AC/DC



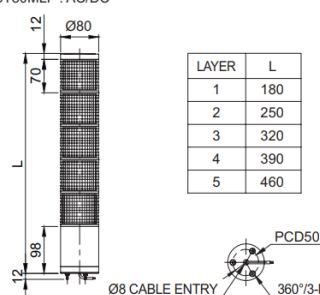
ST80EL-BZ : AC/DC
ST80ELF-BZ : AC/DC



ST80EL-W□
ST80ELF-W□



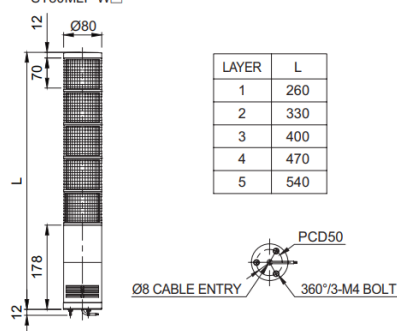
ST80ML : AC/DC
ST80MLF : AC/DC

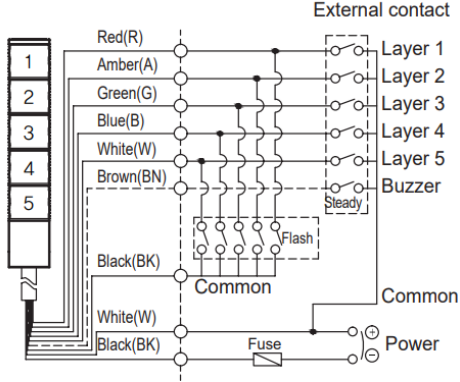
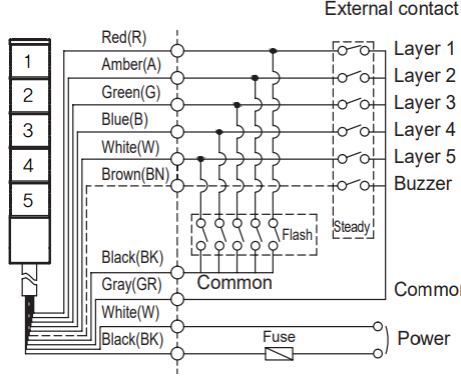
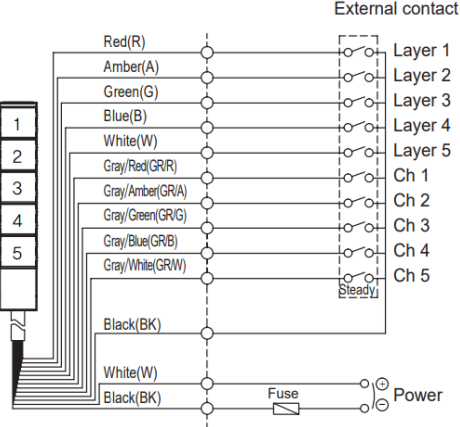
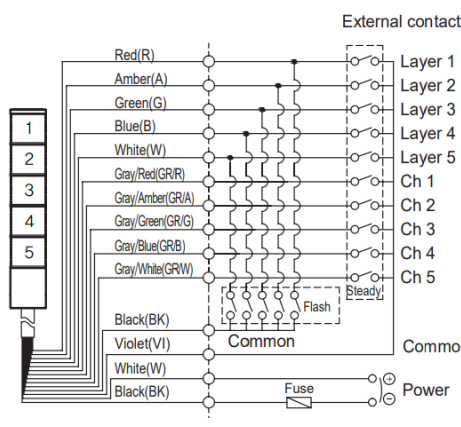


ST80ML-BZ : AC/DC
ST80MLF-BZ : AC/DC



ST80ML-W□
ST80MLF-W□



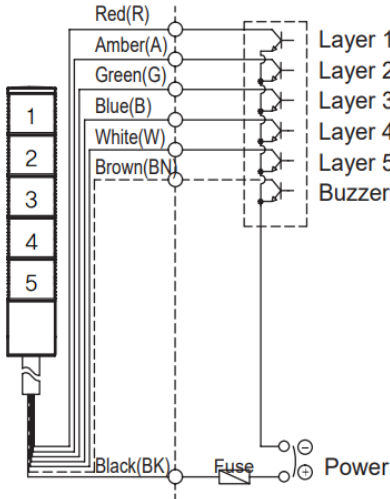
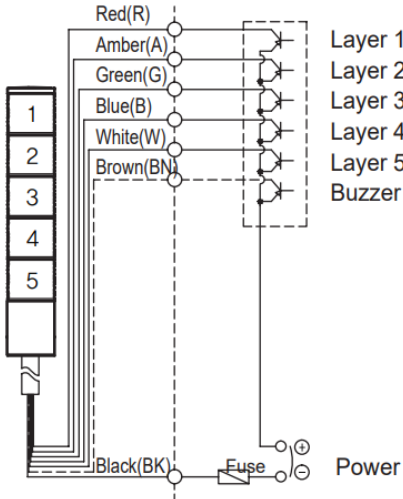
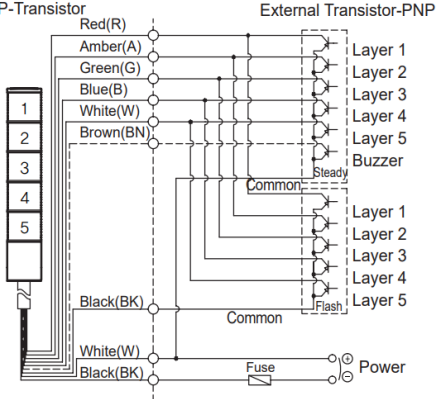
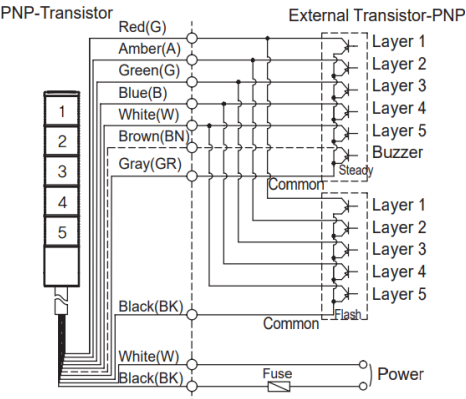
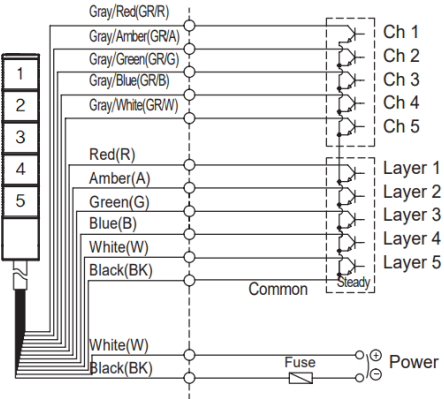
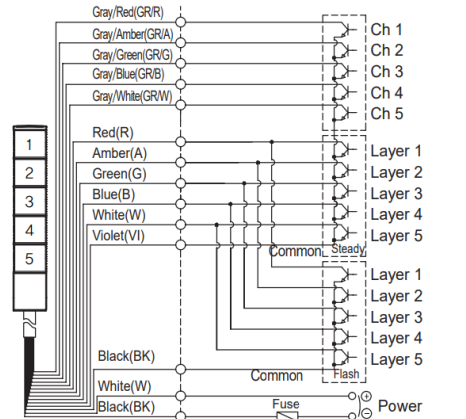
ST45MLF S T45LF ST56 MELF ST56 MLF ST56E LF ST56LF ST80MELF ST80MLF S T80ELF ST8 OLF		ST45MLF S T45LF ST56 MELF ST56 MLF ST56ELF ST 56LF ST80M ELF ST80MLF S T80ELF ST8 OLF	
DC/AC Steady Built-in Signal Sound	 ST□□M(E)L – WS/ WM/ WA type same wiring instruction ST□□(E)L – WS/ WM/ WA type same wiring instruction ST□□ L Lens diameter 45(45mm) : ST45L 56(56mm) : ST56L 80(80mm) : ST80L	DC/AC Steady/Flashing Built-in Signal Sound	 ST□□M(E)LF – WS/ WM/ WA type same wiring instruction ST□□(E)LF – WS/ WM/ WA type same wiring instruction ST□□ _LF Lens diameter 45(45mm) : ST45LF 56(56mm) : ST56LF 80(80mm) : ST80LF

- 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

Wiring using transistor

When using a transistor, please choose between the NPN or PNP type transistor which best matches the voltage and product type, then connect them correctly according to the wiring diagrams below.

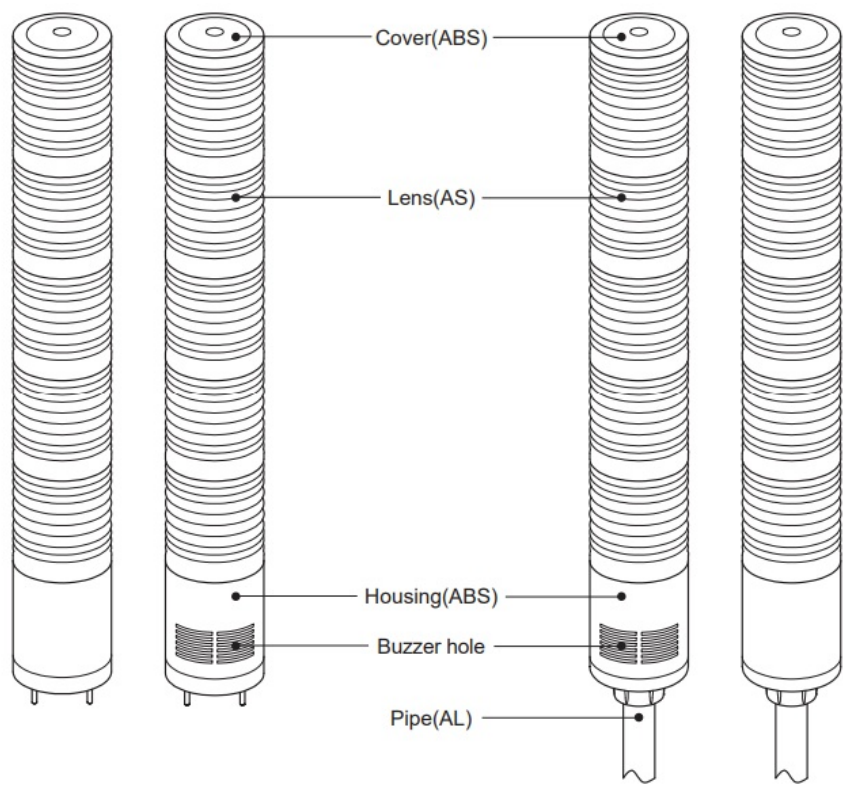
	Wiring diagrams
DC Steady	

ST45ML ST 45L ST56MEL S T56ML ST56EL ST5 6L ST80MEL S T80ML ST80EL ST8 0L	NPN-Transistor External Transistor-NPN 	PNP-Transistor External Transistor-PNP 
DC Steady/Flash ing ST45MLF S T45LF ST56 MELF ST56 MLF ST56E LF ST56LF ST80MELF ST80MLF S T80ELF ST8 0LF	PNP-Transistor External Transistor-PNP 	AC Steady/Flash ing ST45MLF S T45LF ST56 MELF ST56 MLF ST56ELF ST 56LF ST80M ELF ST80MLF S T80ELF ST8 0LF 
DC/AC Stea dy Built-in Si gnal Sound	NPN-Transistor External Transistor-NPN 	NPN-Transistor External Transistor-NPN 

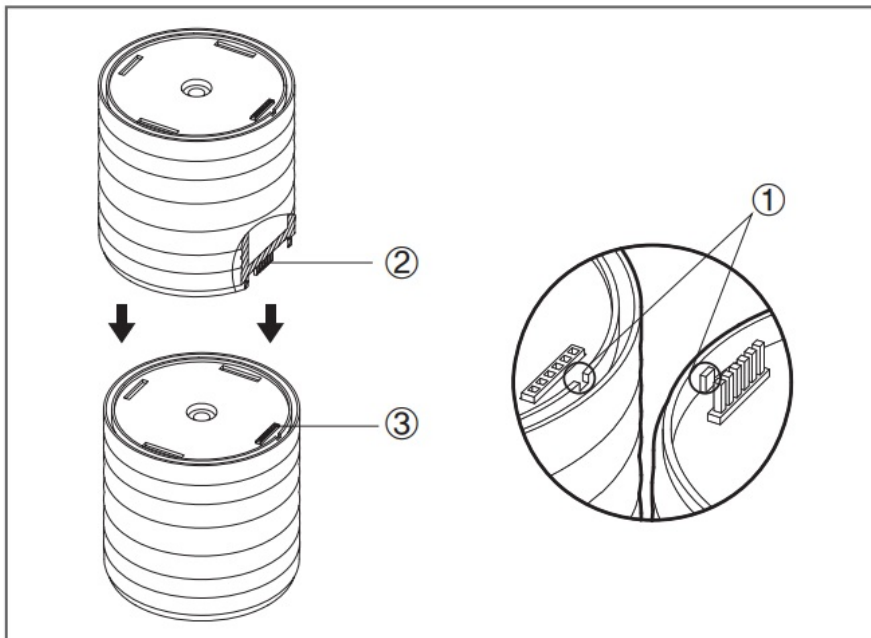
ST45ML ST45L ST56MEL S T56ML ST56EL ST56L ST80MEL S T80ML ST80EL ST80L	• ST□□M(E)L – WS/ WM/ WA type same wiring instruction • ST□□(E)L – WS/ WM/ WA type same wiring instruction • ST□□ L Lens diameter 45(45mm) : ST45L 56(56mm) : ST56L 80(80mm) : ST80L	ST45MLF S T45LF ST56 MELF ST56 MLF ST56ELF ST56LF ST80M ELF ST80MLF S T80ELF ST80LF	• ST□□M(E)LF – WS/ WM/ WA type same wiring instruction • ST□□(E)LF – WS/ WM/ WA type same wiring instruction • ST□□ LF Lens diameter 45(45mm) : ST45LF 56(56mm) : ST56LF 80(80mm) : ST80LF
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- 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

Parts Definition



How to Change Lens Kit



- When rearranging or replacing the lens kits, please be aware of the contact point ① and the connector pin ② marked in the diagram on the left.
- Press down to assemble the lens kits while making sure that connector pin ② and connector ③ aligns correctly.
- Please make sure that the rubber spacer placed on the top of each ② lens kit is tightly secured to the bottom of the other lens kit.

Caution when dealing with lens kit

- Lens kits are connected with connector pins each other. Bad connection may be experienced when the connector pins are touched with a foreign substance.
- If the lens kits are not turned on or not flashed after lens kits replacement, please make sure status of lens kit connection.

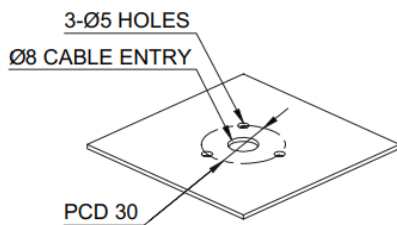
Installation Environment and Protection Rating

- This product is designed for indoor use with protection rating of IP44(standard type) or IP23(buzzer type).
- If the product is installed in locations that subject it to excessive dust or water other than the designated IP protection rating indicated(IP44), it may cause malfunction or damage to the product.
- For further information, please visit our website(www.qlight.com).

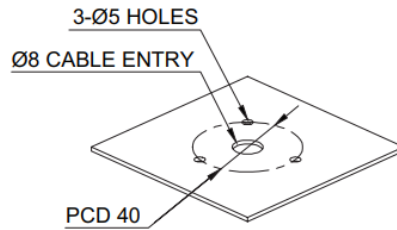
Mounting Hole Specifications

ST45ML/ ST56MEL/ ST56ML/ ST80MEL/ ST80ML- Direct Mounting Type Model

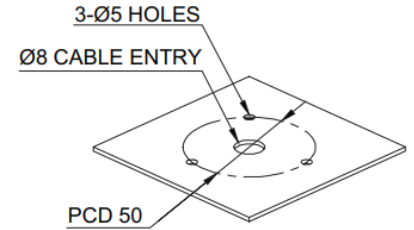
1. Machine holes on the mounting surface referring to the diagram below.



ST45ML



ST56MEL/ ST56ML



ST80MEL/ ST80ML

2. First, remove the flange nuts from bolts and place the product through the mounting surface holes.
3. Fasten the flange nuts on the opposite side of the mounting surface until the product is tightened securely

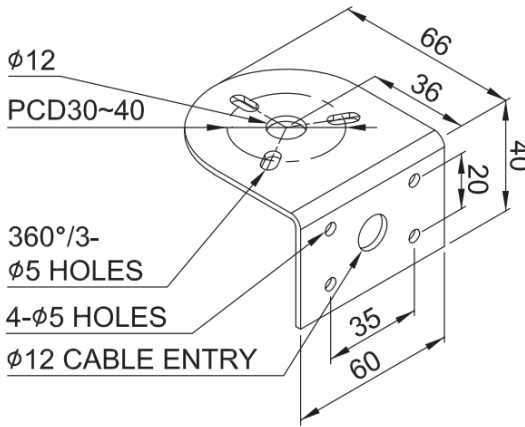
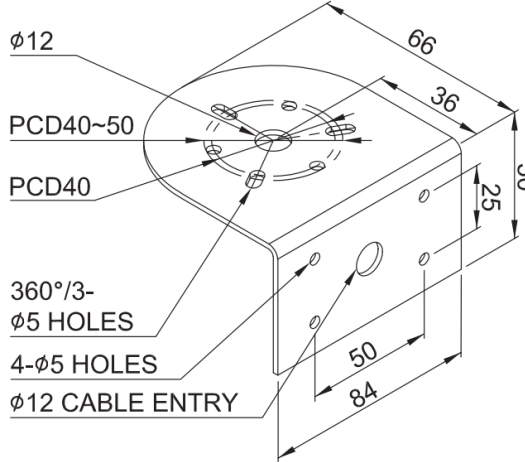
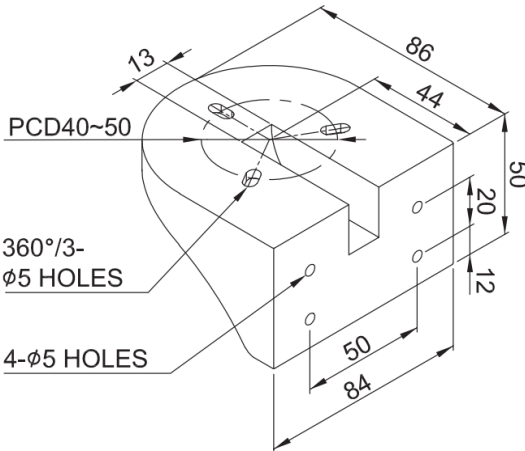
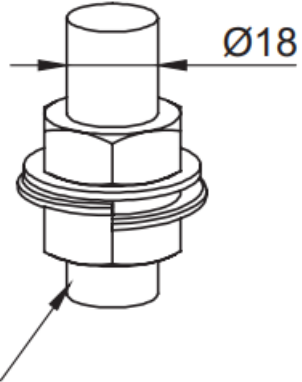
2 Sound Buzzer Type

- Buzzer type model with 2 different sounds of long beeping sound and short beeping sound is available upon request.
- Lens Kits supplied by AC Type power (same wiring as DC Steady type product)
- Customized pole length(ST45L/ ST56EL/ ST56L/ ST80EL/ ST80L)

Mounting Accessories (Sold Separately)

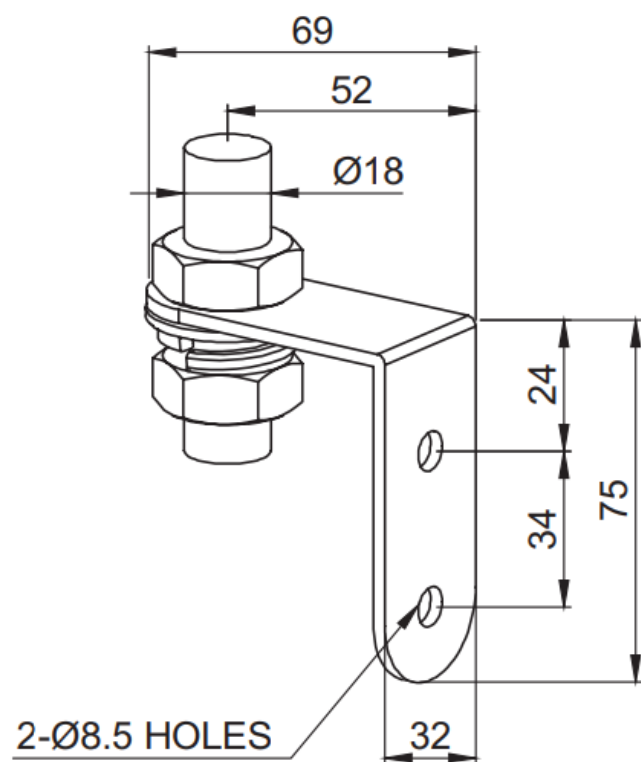
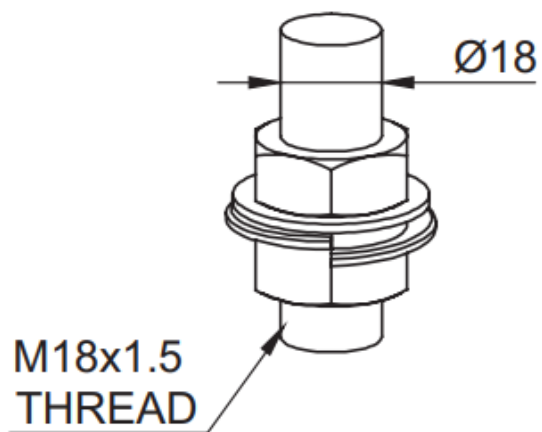
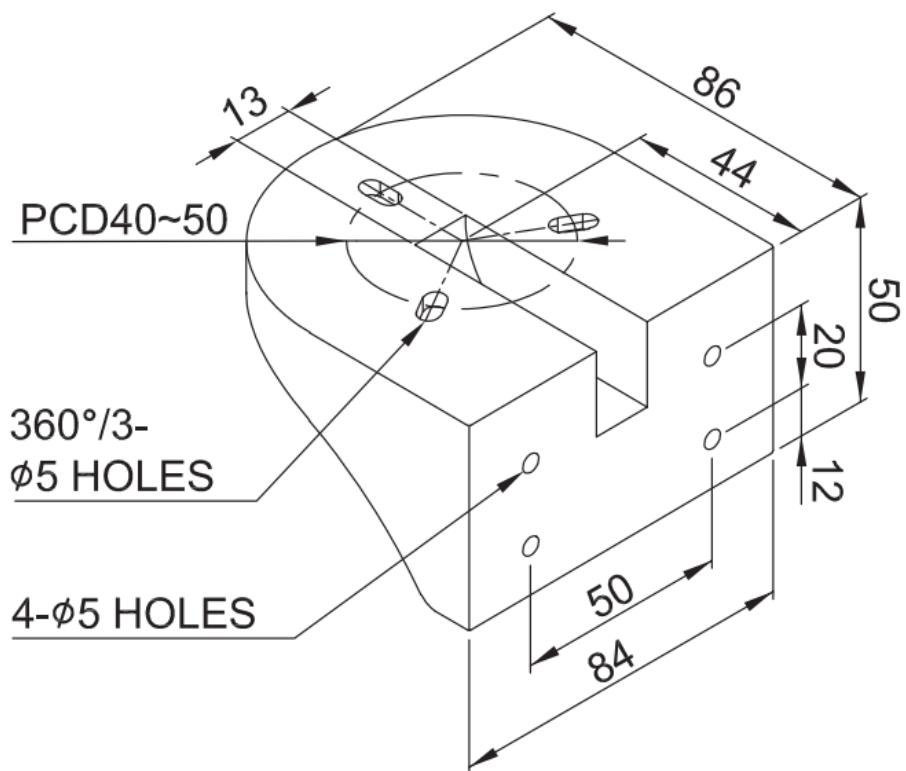
Please refer to the dimensions below for installation of mounting brackets

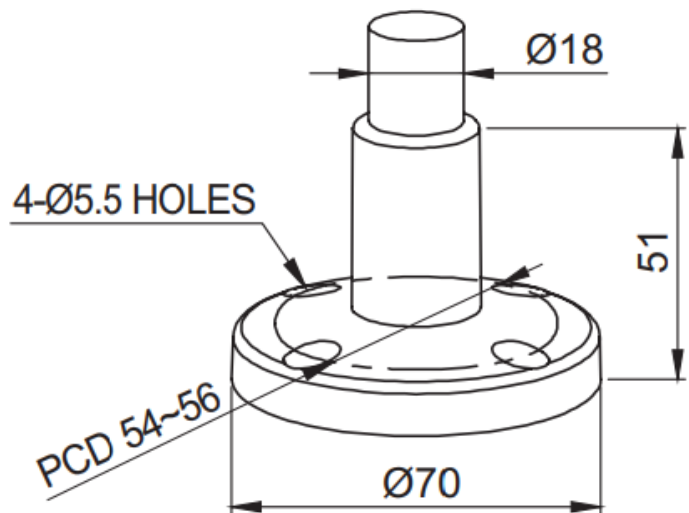
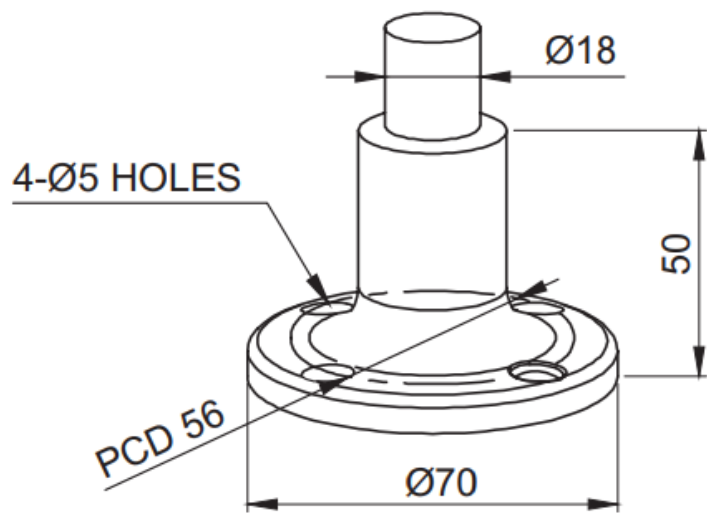
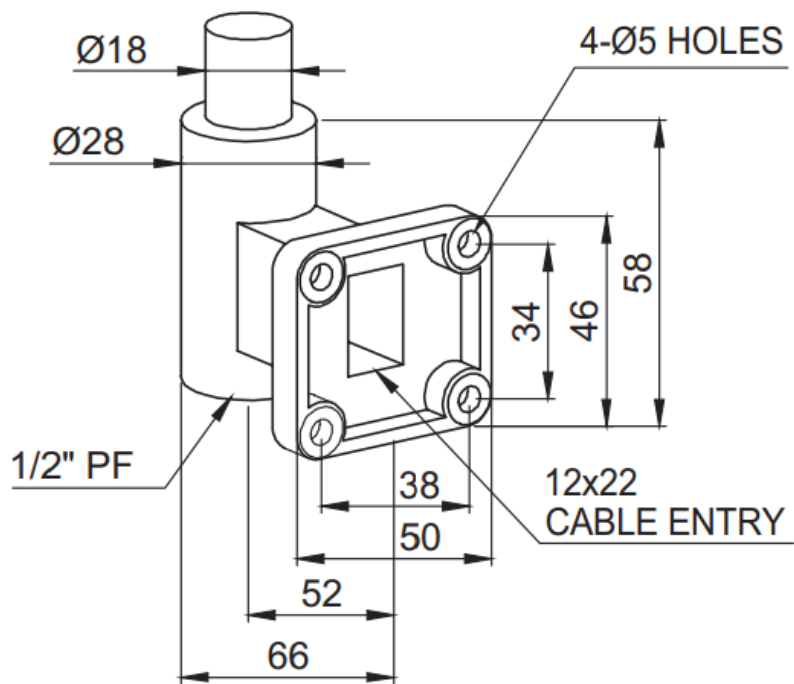
ST45ML/ ST56MEL/ ST56ML/ ST80MEL/ ST80ML – Direct Mounting Type Model

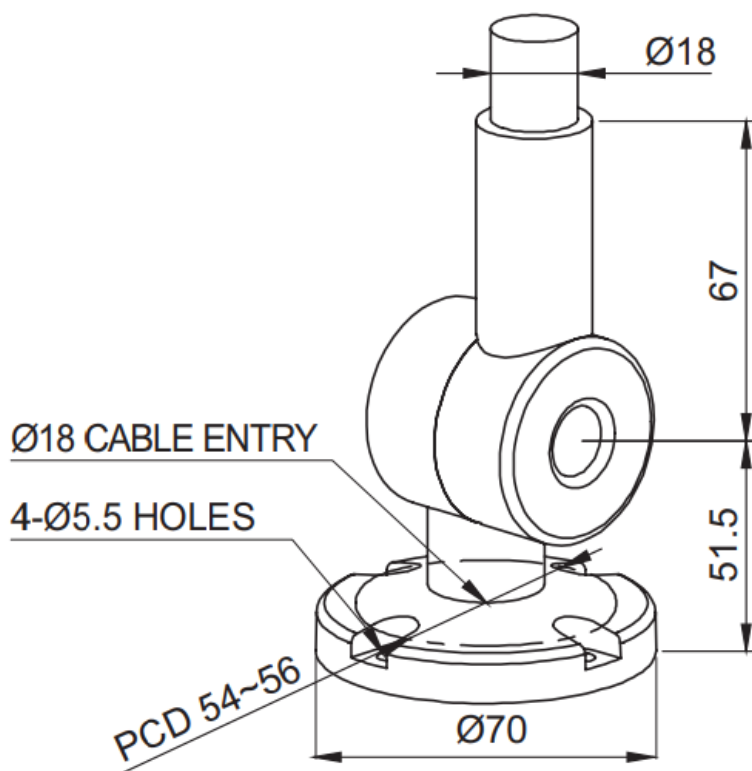
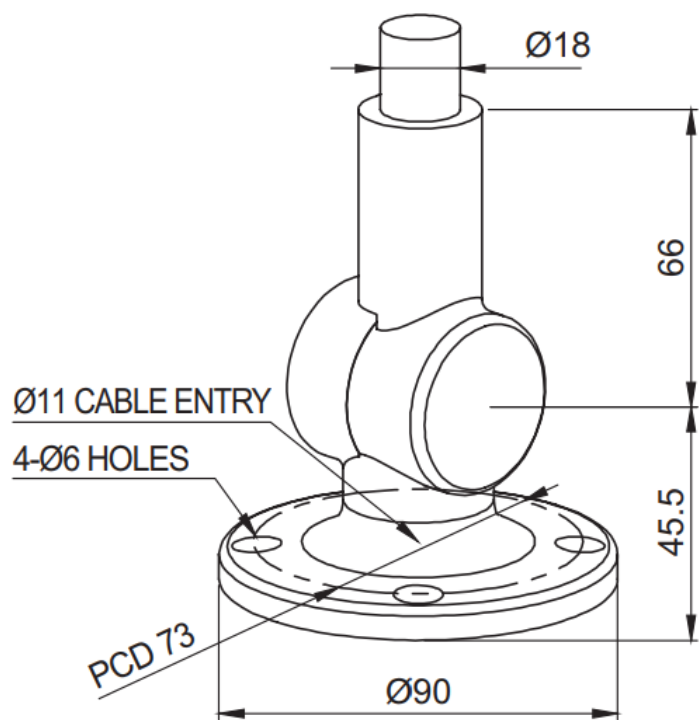
	Dimensions	
ST45 series ST56 series	 $\phi 12$ PCD30~40 360°/3- $\phi 5$ HOLES 4-$\phi 5$ HOLES $\phi 12$ CABLE ENTRY TWS45	 $\phi 12$ PCD40~50 PCD40 360°/3- $\phi 5$ HOLES 4-$\phi 5$ HOLES $\phi 12$ CABLE ENTRY TWA45
ST80 series	 PCD40~50 360°/3- $\phi 5$ HOLES 4-$\phi 5$ HOLES TWS80	 $\phi 18$ M18x1.5 THREAD TWA80

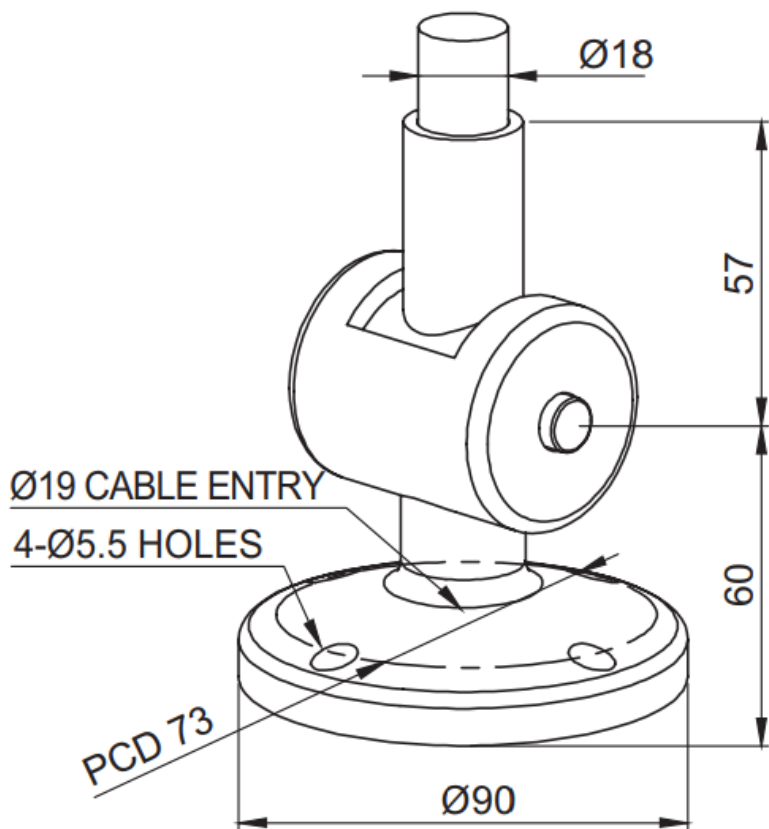
ST45L/ ST56EL/ ST56L – Pole Mounting Type Model

ST45 series ST56 series

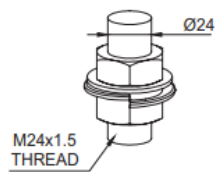




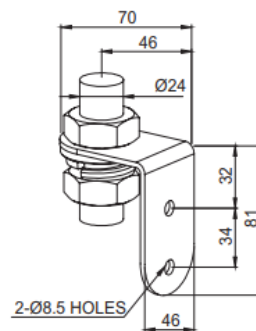




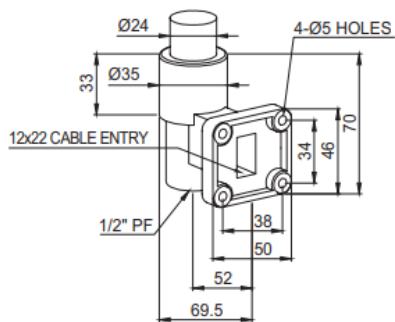
ST80 series



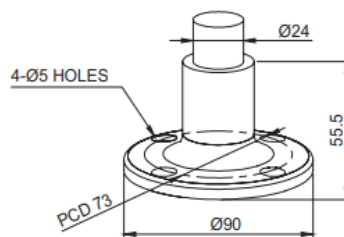
24mm SCREW & NUT



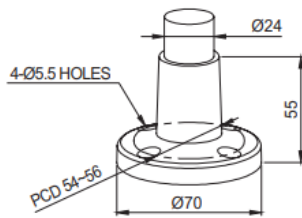
LB24



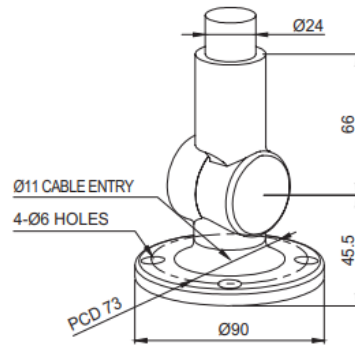
LW24



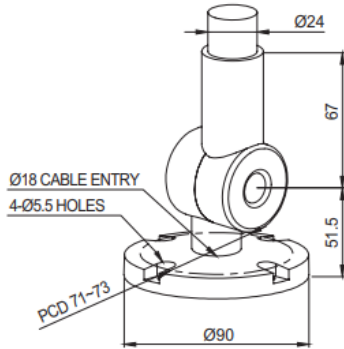
SZ24



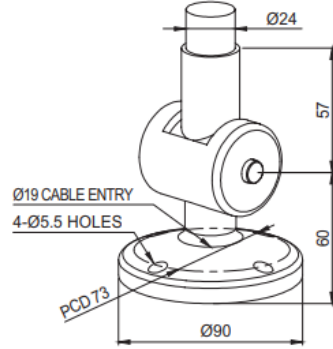
QZ24



SL24



QL24



QLA24

Technical Certification

- Qlight products are designed to meet strict quality and technical standards. Thus, the Qlight brand is widely recognized for its high quality and technical innovations from leading institutions around the world.



ISO International Organization for Standardization

Qlight quality assurance systems have been certified by ISO by applying the ISO 90001-2018 KS Q ISO 9001:2009 regulation.



ATEX

ATEX The European Regulatory

Framework or Manufacture, Installation and Use of Equip- ment in Explosive Atmospheres Qlight's explosion proof products comply with ATEX Directives 94/9/EC.



KCs Explosion Proof Device Safety Certification System The safety performance of machines and Technical capability and production system have standards.



TIIS Japan Explosion-proof certification

TIIS is a Japanes explosion proof test and certification system accordance with the Ministry of Health, Labour and Welfare Notice and the explosion proof guidelines for factory electrical equipment. Qlight's explosion proof products hasve been tested and certified by TIIS.



Light's design and quality assurance system has 2la been certified by the China Classification Society. CCS China Classification Society



LR Lloyd's

Register light's design and quality assurance system has been certified from Lloyd's Register.



UL Underwriters Laboratories

Qlight's design and quality assurance system has been certified from UL to ensure the stability of consumption goods and to protect consumers.



CCCF China certification Center for Security & Protection

Qlight has passed the rigorous examination process of "Passing Fire Protection Products Centering" In order to sell fire-fighting products such as fire alarm equipment to Chinese market.



CCC China Compulsory Certificate

Qlight's has obtained CCC which guarantees safety, protection against fraud, environment, etc.



RoHS2 Restriction of Hazardous Substances Directive

Qlight complies with the Restriction of Hazardous Substances Directive by limiting its use of hazardous materials.

For your safety

Specification and dimensions listed in this catalogue subject to change without notice for product quality improvement.

The newest product information is available on our website. (www.qlight.com)

Please read the instruction manual attached to the product carefully before installation and use.

Support

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185-25, Mukbang-ro, Sangdong-myeon, Gimhae-si, Gyeongsangnamdo, Korea Tel. +82-55-328-1111(Toll free. +82-80-328-1111)

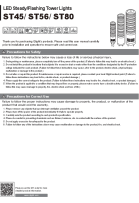
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Documents / Resources

	QLIGHT ST8 LED Steady Flashing Tower Lights [pdf] User Manual ST45, ST56, ST8, ST8 LED Steady Flashing Tower Lights, LED Steady Flashing Tower Lights, Flashing Tower Lights, Tower Lights
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References

- [Qlight - Warning Light, Beacon, Audible & Visual Signal, Tower Light](#)
- [Q \(Qlighte\)_____ , _____ , _____](#)
- [Signal Tower Lights, Warning Lights & Electric Horns, Fully Enclosed Products, Explosion proof Products, LED Work Lights-Qlight](#)