

Control Tower Stack Lights

Bulletin Numbers 854J, 854K







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Bulletin 854J - 40 mm Control Tower Stack Lights

Product Overview

- UL Type 4/4X/13, IP66
- Stacking configurations 1...5 modules high per single stack
- "No tools" lens assembly
- Surface, vertical, M20 threaded tube, quick release base, 1/2 in. NPT, double-sided, M12 (5-pin DC) micro connector, or pole mounting bases
- Screwless terminal blocks on all bases
- Available as separate components or pre-configured stacks



Product Selection

Light Modules



Steady LED Module

	a		
	Voltage		
Code	Description		
00	0250V AC/DC (no-lamp module ⁽¹⁾)		
24	24V AC/DC ⁽³⁾		
10	120V AC ⁽³⁾		
20	240V AC ⁽³⁾		

	b		
I	ight Module Type		
Code	Description		
XN	Steady no lamp ⁽²⁾		
TL	Steady LED		
GL	Flashing LED		
BL	LED strobe, single flash		

C		
Lens Color		
Code	Description	
3	Green	
4	Red	
5	Amber	
6	Blue	
7	Clear	
8	Yellow	

- (1) Can only be selected with module type **XN**, voltage code **00**. Accepts 4 W socket mount incandescent lamp types only.
- (2) Incandescent lamps (catalog numbers 854J-L24, 854J-L10, and 854J-L20) must be purchased separately.
- (3) Not valid with module type XN.

Voltage	Color	Illumination Type	Cat. No.
0 2500 AC/DC	Green	Steady incandescent (no lamp included; must	854J-00XN3
0250V AC/DC	Red	be ordered separately)	854J-00XN4
		Steady LED	854J-24TL3
	Green	Flashing LED	854J-24GL3
		Strobe LED	854J-24BL3
		Steady LED	854J-24TL4
24V AC/DC	Red	Flashing LED	854J-24GL4
		Strobe LED	854J-24BL4
		Steady LED	854J-24TL5
	Amber	Flashing LED	854J-24GL5
		Strobe LED	854J-24BL5
		Steady LED	854J-10TL3
	Green	Flashing LED	854J-10GL3
		Strobe LED	854J-10BL3
	Red	Steady LED	854J-10TL4
120V AC		Flashing LED	854J-10GL4
		Strobe LED	854J-10BL4
	Amber	Steady LED	854J-10TL5
		Flashing LED	854J-10GL5
		Strobe LED	854J-10BL5
		Steady LED	854J-20TL3
	Green	Flashing LED	854J-20GL3
		Strobe LED	854J-20BL3
		Steady LED	854J-20TL4
240V AC	Red	Flashing LED	854J-20GL4
		Strobe LED	854J-20BL4
		Steady LED	854J-20TL5
	Amber	Flashing LED	854J-20GL5
		Strobe LED	854J-20BL5

Sound Modules

Sound modules have continuous and pulsing tones selectable via DIP switch. Maximum sound output is 80 dB(A) @ 1 meter.



Sound Module

a	
Housing Color	
Code Description	
В	Black

b	
Voltage	
Code	Description
24	24V AC/DC
10	120V AC
20	240V AC

(
Module Type		
Code	Description	
SA3	Single-circuit piezo style steady/pulsing DIP switch selectable	

Voltage	Housing Color	Module Type	Cat. No.
24V AC/DC			854J-B24SA3
120V AC	Black	Single circuit sounder, single tone	854J-B10SA3
240V AC			854J-B20SA3

Standard Stack Light Bases



Surface-mount Base with External Holes



Vertical-mount Base



Pole-mount Base



Double-sided Base



1/2 in. NPT Base



Quick Release Base



Flange Style with M12 Micro Connector (Male)

854J	-	В	VM	C
		a	b	C

	a	
	Housing Color	
Code	Code Description	
B Black		

	b
	Base Type ⁽¹⁾
Code	Description
NPT	1/2 in. NPT
VM	Vertical mount
SH	Surface mount, preinstalled mounting hardware
SF	Surface mount, external mounting holes
PM10	10 cm aluminum pole mount base
PM25	25 cm aluminum pole mount base
T10	10 cm threaded tube (M20)
T25	25 cm threaded tube (M20)
DS	Double-sided base ⁽²⁾
Q10	10 cm quick release base
Q25	25 cm quick release base
SFQD5	Flange-style base with M12 (5-pin DC) micro connector (3) (4) (5) (6) (7)

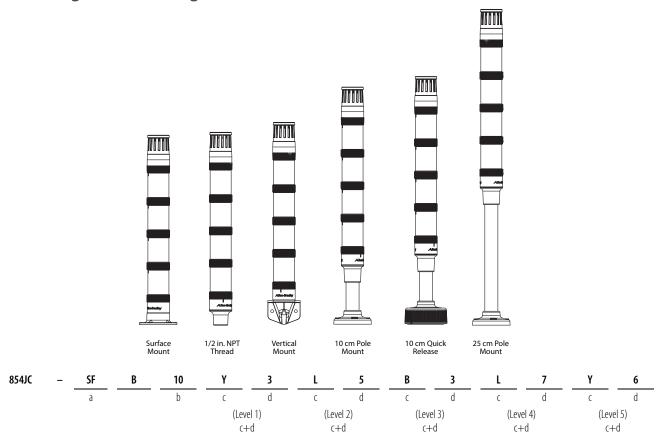
C		
Cap Option		
Code	Code Description	
C Cap included		

- (1) PM10, PM25, T10, T25, Q10, Q25 bases have powder-coated aluminum tubes.
- (2) Double-sided base can accommodate up to ten modules per base divided in two groups up to five levels each.
- (3) For vertical mounting of the base use catalog number 855T-AVM.
- (4) Maximum number of levels that are allowed in the stack is four.
- (5) For use with Bulletin 889D cordsets.
- (6) Cannot be used with 10 cm plastic base extension (catalog number 854J-ABBE).
- (7) Max. 250V AC/DC UL / 60V AC/DC IEC.

Housing Color	Base Type	Cat. No. ⁽¹⁾
	1/2 in. NPT thread	854J-BNPTC
	Vertical mount	854J-BVMC
	Surface mount — pre-installed hardware	854J-BSHC
	Surface mount — external mounting holes	854J-BSFC
	10 cm aluminum pole mount	854J-BPM10C
Black	25 cm aluminum pole mount	854J-BPM25C
DIdCK	10 cm threaded tube (M20)	854J-BT10C
	25 cm threaded tube (M20)	854J-BT25C
	Double-sided base	854J-BDSC
	10 cm quick release base	854J-BQ10C
	25 cm quick release base	854J-BQ25C
	Flange-style base with M12 (5-pin DC) micro connector	854J-BSFQD5C

⁽¹⁾ All listed bases include a cap.

Pre-Configured Tower Lights (1...5 Modules)



a			
	Base Type ⁽¹⁾		
Code	Code Description		
NPT	1/2 in. NPT		
VM	Vertical mount		
SF	Surface mount, external mounting holes		
P10	10 cm aluminum pole mount base		
P25	25 cm aluminum pole mount base		
Q10	10 cm quick release base		
Q25	25 cm quick release base		

b		
Voltage		
Code Description		
24 24V AC/DC		
10	120V AC	

C			
Module Type			
Code	Code Description		
Υ	Y Steady LED		
L	L Flashing LED		
В	B Strobe LED — single flash		
Р	Piezo alarm — continuous/pulsing		

d		
Lens Color		
Code Description		
1	Sound module ⁽²⁾	
3	Green	
4	Red	
5	Amber	
6	Blue	
7	Clear	
8	Yellow	

⁽¹⁾ P10, P25, Q10, Q25 bases have powder-coated aluminum tubes.

⁽²⁾ Sound module option can only be selected with Module Type option **P** in Table c. They must be located in the top position of the stack.

Accessories

	Description	Cat. No.
	Incandescent Lamps (4 W) 24V AC/DC	854J-L24 ⁽¹⁾
	120V AC	854J-L10 ⁽¹⁾
	240V AC	854J-L20 ⁽¹⁾
	Incandescent lamp removal tool	800T-N82
	10 cm plastic base extension, black	854J-ABBE
	Plastic vertical bracket for pole foot, black (can be used with Bul. 855T, 855E, 854K, and 855F pole bases)	854J-ABPB
8	O-rings for lenses	854J-ALSG ⁽¹⁾
	O-rings for bases	854J-ABSG ⁽¹⁾
%	Gasket for SH surface mount bases	854J-ASG2 ⁽¹⁾
Allen-Bradley	Upper base with terminal block, black	854J-ABUB
	Cap, black	854J-ABCAP
	Conduit mount adapter for threaded tube base (1/2 in. NPT to M20x1.5)	854J-ACMK
	L-bracket for threaded tube base (vertical mount kit)	854J-ABVM
	Direct mount kit for threaded tube base	854J-ARDM

⁽¹⁾ Order quantity of 1 to receive package of five.

Replacement Parts

	Description	Cat. No.
0	Vertical Mount Gasket Replacement flat gasket is placed between the mounting surface and the vertical mount base (Cat. No. 854JBVMC).	855T-AVFG
0	Pole Foot Gasket Replacement flat gasket is placed between the mounting surface and the pole base bottom foot. (Must order multiples of 5.) For use with Cat. No. 855T-BPM10C and 855T-BPM25C pole bases, Cat. No. 854J-BSFC and 854J-BSFQD5C bases, and Bulletin 855T, 855E, 855F, 855D, 854J, and 854K quick release bases.	855T-APFG
	Mounting Screw Washer Kit Replacement flat washers are used to provide a seal where the mounting screw meets the pole base. (1 kit includes 20 pieces)	855T-AMSG
0	Locking ring for Bulletin 854J, 855D, and 855E quick release bases	855D-ABQLR
6	Internal gasket for quick release base (order quantity of 1 and receive bag of five gaskets)	855D-AQG
	Quick release mounting base with gasket	855D-AQMB

Specifications

Standards Compliance and Certifications

Attribute	Value		
	UL 508		
Standards Compliance	CSA C22.2 No. 14		
Standards Compliance	EN/IEC 60947-1		
	EN/IEC 60947-5-1		
	cULus Listed (File No. E14840, Guides NKCR, NKCR7)		
Certifications	CE Marked		
	RoHS Compliant		

Mechanical Ratings

Attribute			Value	
CL L LIVE		Based on the weight and style of mounting; tower lights are subject to damage from shock and vibration. Listed below are reference guidelines for maximum acceptable conditions.		
		1 Module Stack	3 Module Stack	5 Module Stack
6. 1.10	Surface Mount Base with External Holes or 10 cm Aluminum Pole Base	50 G Shock 5 G Vibration	50 G Shock 5 G Vibration	40 G Shock 5 G Vibration
Standard Bases	Vertical Base or 25 cm Aluminum Pole Base	55 G Shock 5 G Vibration	55 G Shock 5 G Vibration	35 G Shock 5 G Vibration
Recommended Wire Sizes		0.2	21.5 mm ² (2416 A)	WG)
Recommended Terminal Torque			Screwless terminal blocks	5

Environmental Ratings

Attribute		Value	
Ingress Ratings	Light Modules with Cap		
	Sound Modules		
	Surface, Vertical, and Tube Mount Bases	UL Type 4/4X/13, IP66	
	Pole Mount Bases		
	Flange-style Base with M12 Micro Connector ⁽¹⁾		
Temperature Ratings — All Products	Operating Temperature	-3060 °C (-22140 °F) For Cat. No. 854J-BSFQD5C only: -3045 °C (-22113 °F)	
All Floudets	Storage Temperature	-3085 °C (-22185 °F)	

⁽¹⁾ UL Type 1 when used with catalog number 855T-AVM mounting bracket.

Materials

Attribute	Value
Bases, Caps, Lens Covers, Sound Module Housings, and Lenses	Polycarbonate
Lamp Socket	Polycarbonate
Rubber Seals and Gaskets	Nitrile Rubber
Pole (for aluminum pole assembly)	Aluminum
Pole Base Footing (for aluminum pole base)	Polycarbonate
Mounting Screw Washers	Polypropylene

Performance Ratings

Description			24V AC/DC	120V AC	240V AC
		Red	4430 mcd	3915 mcd	
Light Output	C. 1 150	Green	4216 mcd	4080 mcd	
		Amber	4430 mcd	3915 mcd	
	Strobe LED	Blue	1673 mcd	1619	mcd
		White	4464 mcd	4320 mcd	
		Yellow	3715 mcd	3283 mcd	
	Steady/Flashing LED	Red	1793 mcd	2392	mcd
		Green	1714 mcd	3400 mcd	
		Amber	1793 mcd	2392	mcd
		Blue	680 mcd	1349 mcd	
		White	1814 mcd	3600 mcd	
		Yellow	1503 mcd	2006	mcd

Operating Voltage

Description	24V AC/DC	120V AC	240V AC
Light Modules and Sound Modules	24V AC/DC (± 10%)	, , ,	230V AC, 50 Hz (± 10%) 240V AC, 60 Hz (± 10%)

Life Ratings (Design Life) — Average Life Under Static, No Vibration, Conditions

Description	24V AC/DC 120V AC 240V AC		
LED	50,000 hr		
Sound Modules	20,000 hr		

Current Consumption

Description		24V AC/DC	120V AC	240V AC
	Steady LED	22 mA (red, amber, and yellow) 33 mA (green, blue, and white)	30 mA (red, amber, and yellow) 29 mA (green, blue, and white)	
Light Only Modules	Flashing LED	28 mA (red, amber, and yellow) 36 mA (green, blue, and white)	30 mA (red, amber, and yellow) 29 mA (green, blue, and white)	
	Strobe LED	35 mA (red, amber, and yellow) 65 mA (green, blue, and white)	10 mA	
Sound Modules	Single-tone Sound Module	65 mA	31 mA 32 mA	

Flashing Frequency (Light Only Modules)

Attribute	Value	
Flashing LED Modules	Approximately 1.5 Hz Time On/Time OFF = 1:1	
LED Strobe Modules	Approximately 2 Hz (flash duration 1/50,000 second)	

Tone Frequency

Attribute	Value
Tone Frequency	Preset at 2500 Hz

Decibel Rating (Sound Modules) (1)

Attribute	Value
Single Tone Sound Module (SA3)	Maximum volume output is 80 dB(A) (non-adjustable)

⁽¹⁾ All dB(A) ratings determined at a distance of 1 meter from sound module.

Leakage Current Impact

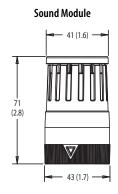
All light modules and sound modules can absorb up to 3 mA of leakage from solid-state outputs without module activation.

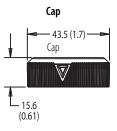
Approximate Dimensions

Dimensions in millimeters (inches). Dimensions are not intended to be used for manufacturing purposes.

Vertical Mount Base

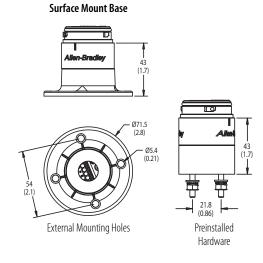
74.5 61.6 (2.9) (2.4) 43 (1.7) 4



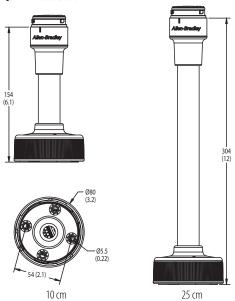




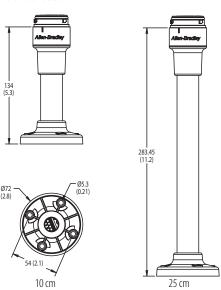




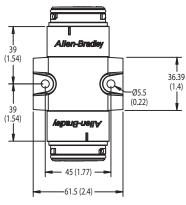
Quick Release Base



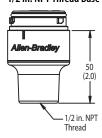
Pole Mount Base



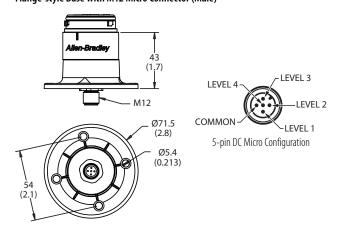
Double-sided Base



1/2 in. NPT Thread Base



Flange-style Base with M12 Micro Connector (Male)



Bulletin 854J - 40 mm Control Tower Stack Lights

Notes:

Bulletin 854K - 60 mm Control Tower Stack Lights

Product Overview

- UL Type 4/4X/13, IP66
- Stacking configurations 1...5 modules high per single stack
- "No tools" lens assembly
- Surface, vertical, M20 threaded tube, quick release base, 1/2 in. NPT, double-sided base, M12 (5-pin DC) micro connector, and pole mounting bases
- Screwless terminal blocks on top of all bases
- Available as separate components or pre-configured stacks



Product Selection

Light Modules



Steady LED Module

	a			
Voltage				
Code	Description			
00	0250V AC/DC (no-lamp module ⁽¹⁾)			
24	24V AC/DC ⁽³⁾			
10	120V AC ⁽³⁾			
20	240V AC ⁽³⁾			

	b	
Light Module Type		
Code	Description	
XN	Steady no lamp ⁽²⁾	
TL	Steady LED	
GL	Flashing LED	
BL	LED strobe, single flash	

C				
Lens Color				
Code	Description			
3	Green			
4	Red			
5	Amber			
6	Blue			
7	Clear			
8	Yellow			

- (1) Can only be selected with module type **XN**, voltage code **00**. Accepts 4 W socket mount incandescent lamp types only.
- (2) Incandescent lamps (catalog numbers 854J-L24, 854J-L10, and 854J-L20) must be purchased separately.
- (3) Not valid with module type **XN**.

Voltage	Color	Illumination Type	Cat. No.
0250V AC/DC	Green	Steady incandescent (no lamp included; must	854K-00XN3
U200V AC/DC	Red	be ordered separately)	854K-00XN4
		Steady LED	854K-24TL3
	Green	Flashing LED	854K-24GL3
		Strobe LED	854K-24BL3
		Steady LED	854K-24TL4
24V AC/DC	Red	Flashing LED	854K-24GL4
		Strobe LED	854K-24BL4
		Steady LED	854K-24TL5
	Amber	Flashing LED	854K-24GL5
		Strobe LED	854K-24BL5
		Steady LED	854K-10TL3
	Green	Flashing LED	854K-10GL3
		Strobe LED	854K-10BL3
	Red	Steady LED	854K-10TL4
120V AC		Flashing LED	854K-10GL4
		Strobe LED	854K-10BL4
		Steady LED	854K-10TL5
	Amber	Flashing LED	854K-10GL5
		Strobe LED	854K-10BL5
		Steady LED	854K-20TL3
	Green	Flashing LED	854K-20GL3
		Strobe LED	854K-20BL3
	Red	Steady LED	854K-20TL4
240V AC		Flashing LED	854K-20GL4
		Strobe LED	854K-20BL4
		Steady LED	854K-20TL5
	Amber	Flashing LED	854K-20GL5
		Strobe LED	854K-20BL5

Sound Modules

Sound modules have continuous and pulsing tones selectable via DIP switch. Maximum sound output is 90 dB(A) @ 1 meter and the volume is adjustable.



a	
Housing Color	
Code	Description
R	Black

b		
Voltage		
Code	Description	
24	24V AC/DC	
10	120V AC	
20	240V AC	

C		
Module Type		
Code	Description	
SA3	Single-circuit piezo style steady/pulsing DIP switch selectable	

Voltage	Housing Color	Module Type	Cat. No.
24V AC/DC	Black	Single circuit sounder, single tone	854K-B24SA3
120V AC			854K-B10SA3
240V AC			854K-B20SA3

Standard Stack Light Bases



Surface-Mount Base with External Holes



/ertical-Mount Base



le-Mount Base

854K



Double-Sided Base



1/2 in. NPT Base



Quick Release Base



Flange Style with M12 Micro Connector (Male)

ĺ	a		
	Housing Color		
	Code	Description	
	В	Black	

	b			
	Base Type ⁽¹⁾			
Code	Description			
NPT	1/2 in. NPT			
VM	Vertical mount			
SH	Surface mount, preinstalled mounting hardware			
SF	Surface mount, external mounting holes			
PM10	10 cm aluminum pole mount base			
PM25	25 cm aluminum pole mount base			
T10	10 cm threaded tube (M20)			
T25	25 cm threaded tube (M20)			
DS	Double-sided base ⁽²⁾			
Q10	10 cm quick release base			
Q25	25 cm quick release base			
SFQD5	Flange-style base with M12 (5-pin DC) micro connector (3) (4) (5) (6) (7)			

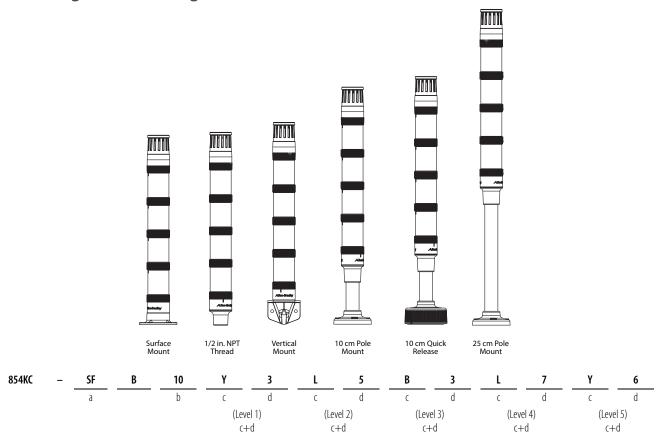
Cap Option		
Code	Description	
C	Cap included	

- (1) PM10, PM25, T10, T25, Q10, Q25 bases have powder-coated aluminum tubes.
- (2) Double-sided base can accommodate up to ten modules per base divided in two groups up to five levels each.
- (3) For vertical mounting of the base use catalog number 855K-AVM.
- (4) Maximum number of levels that are allowed in the stack is four.
- (5) For use with Bulletin 889D cordsets.
- (6) Cannot be used with 10 cm plastic base extension (catalog number 854J-ABBE).
- (7) Max. 250V AC/DC UL / 60V AC/DC IEC.

Housing Color	Base Type	Cat. No. ⁽¹⁾
	1/2 in. NPT thread	854K-BNPTC
	Vertical mount	854K-BVMC
	Surface mount — pre-installed hardware	854K-BSHC
	Surface mount — external mounting holes	854K-BSFC
	10 cm aluminum pole mount	854K-BPM10C
Black	25 cm aluminum pole mount	854K-BPM25C
DIdCK	10 cm threaded tube (M20)	854K-BT10C
	25 cm threaded tube (M20)	854K-BT25C
	Double-sided base	854K-BDSC
	10 cm quick release base	854K-BQ10C
	25 cm quick release base	854K-BQ25C
	Flange-style base with M12 (5-pin DC) micro connector	854K-BSFQD5C

⁽¹⁾ All listed bases include a cap.

Pre-Configured Tower Lights (1...5 Modules)



a			
	Base Type ⁽¹⁾		
Code Description			
NPT	1/2 in. NPT		
VM	Vertical mount		
SF	Surface mount, external mounting holes		
P10	10 cm aluminum pole mount base		
P25	25 cm aluminum pole mount base		
Q10	10 cm quick release base		
Q25	25 cm quick release base		

b		
Voltage		
Code	Description	
24	24V AC/DC	
10	120V AC	

C		
Module Type		
Code	Description	
Υ	Steady LED	
L	Flashing LED	
В	Strobe LED — single flash	
Р	Piezo alarm — continuous/pulsing	

d			
Lens Color			
Code	Description		
1	Sound module ⁽²⁾		
3	Green		
4	Red		
5	Amber		
6	Blue		
7	Clear		
8	Yellow		

⁽¹⁾ P10, P25, Q10, Q25 bases have powder-coated aluminum tubes.

⁽²⁾ Sound module option can only be selected with Module Type option **P** in Table c. They must be located in the top position of the stack.

Accessories

	Description	Cat. No.
	Incandescent Lamps (4 W) 24V AC/DC	854J-L24 ⁽¹⁾
	120V AC	854J-L10 ⁽¹⁾
	240V AC	854J-L20 ⁽¹⁾
	Incandescent lamp removal tool	800T-N82
ii	10 cm plastic base extension, black	854K-ABBE
	O-rings for lenses	854K-ALSG ⁽¹⁾
©0°	Gasket for SH surface mount bases	854K-ASG2 ⁽¹⁾
Alten-Breichtt	Upper base with terminal block, black	854K-ABUB
	Cap, black	854J-ABCAP
· () ·	Gasket for vertical mount bases	854K-AVFG ⁽¹⁾
	Gasket for surface mount base with external mounting holes	854K-ASG4 ⁽¹⁾
8	Vertical mounting bracket for flange-style base (Cat. No. 854K-BSFQD5C) or surface mount base (Cat. No. 854KBSFC)	854K-AVM

⁽¹⁾ Order quantity of 1 to receive package of five.

Replacement Parts

	Description	Cat. No.
0000 00000 00000	Mounting Screw Washer Kit Replacement flat washers are used to provide a seal where the mounting screw meets the pole base. (1 kit includes 20 pieces)	855T-AMSG
0	Pole Foot Gasket Replacement flat gasket is placed between the mounting surface and the pole base bottom foot. (Must order multiples of 5.) For use with Cat. No. 855T-BPM10C and 855T-BPM25C pole bases, Cat. No. 854J-BSFC and 854J-BSFQD5C bases, and Bulletin 855T, 855E, 855F, 855D, 854J, and 854K quick release bases.	855T-APFG
0	Locking ring for Bulletin 854J, 855D, and 855E quick release bases	855D-ABQLR
	Internal gasket for quick release base (order quantity of 1 and receive bag of five gaskets)	855D-AQG
	Quick release mounting base with gasket	855D-AQMB
	Conduit mount adapter for threaded tube base (1/2 in. NPT to M20x1.5)	854J-ACMK
	L-bracket for threaded tube base (vertical mount kit)	854J-ABVM
	Direct mount kit for threaded tube base	854J-ARDM
	Plastic vertical bracket for pole foot, black (can be used with Bulletin 855T, 855E, 854K, and 855F pole bases)	854J-ABPB

Specifications

Standards Compliance and Certifications

Attribute	Value
Standards Compliance	UL 508 CSA C22.2 No. 14 EN/IEC 60947-1 EN/IEC 60947-5-1
Certifications	cULus Listed (File No. E14840, Guides NKCR, NKCR7) CE Marked RoHS Compliant

Mechanical Ratings

Attribute		Value		
CL L LIVE		Based on the weight and style of mounting; tower lights are subject to damage from shock and vibration. Listed below are reference guidelines for maximum acceptable conditions.		
		1 Module Stack	3 Module Stack	5 Module Stack
Standard Bases	Surface Mount Base with External Holes or 10 cm Aluminum Pole Base	50 G Shock 5 G Vibration	50 G Shock 5 G Vibration	40 G Shock 5 G Vibration
Vertical Base or 25 cm Aluminum Pole Base		55 G Shock 5 G Vibration	40 G Shock 5 G Vibration	35 G Shock 5 G Vibration
Recommended Wire Sizes		0.2	22.5 mm ² (2414 A)	WG)
Recommended Terminal Torq	ue	Screwless terminal blocks		5

Environmental Ratings

Attribute		Value	
	Light Modules with Cap		
	Sound Modules		
Ingress Ratings	Surface, Vertical, and Tube Mount Bases	UL Type 4/4X/13, IP66	
	Pole Mount Bases		
	Flange-style Base with M12 Micro Connector ⁽¹⁾	1	
Temperature Ratings — All Products	Operating Temperature	-30+60 °C (-22+140 °F) For Cat. No. 854K-BSFQD5C only: -30+40 °C (-22+104 °F)	
Storage Temperature		-30+85 °C (-22+185 °F)	

⁽¹⁾ UL Type 1 when used with catalog number 855K-AVM mounting bracket.

Materials

Attribute	Value
Bases, Caps, Lens Covers, Sound Module Housings, and Lenses	Polycarbonate
Lamp Socket	Polycarbonate
Rubber Seals and Gaskets	Nitrile Rubber
Pole (for aluminum pole assembly)	Aluminum
Pole Base Footing (for aluminum pole base) Polycarbonate	
Mounting Screw Washers Polypropylene	

Performance Ratings

Description			24V AC/DC	120V AC	240V AC
		Red	4430 mcd	3915 mcd	
	Strobe LED	Green	4216 mcd	4080	mcd
		Amber	4430 mcd	3915	mcd
		Blue	1673 mcd	1619 mcd	
Light Output		White	4464 mcd	4320 mcd	
		Yellow	3715 mcd	3283 mcd	
	Steady/Flashing LED	Red	1793 mcd	2392	mcd
		Green	1714 mcd	3400	mcd
		Amber	1793 mcd	2392	mcd
Steady/riasiling LED		Blue	680 mcd	1349	mcd
		White	1814 mcd	3600 mcd	
	Yellow	1503 mcd	2006	mcd	

Operating Voltage

Description	24V AC/DC	120V AC	240V AC
Light Modules and Sound Modules	24V AC/DC (± 10%)	, , ,	230V AC, 50 Hz (± 10%) 240V AC, 60 Hz (± 10%)

Life Ratings (Design Life) — Average Life Under Static, No Vibration, Conditions

Description	24V AC/DC 120V AC 240V AC		
LED	50,000 hr		
Sound Modules	20,000 hr		

Current Consumption

Description		24V AC/DC	120V AC	240V AC
Light Only Modules	Steady LED	22 mA (red, amber, and yellow) 33 mA (green, blue, and white)	30 mA (red, amber, and yellow) 29 mA (green, blue, and white)	
	Flashing LED	28 mA (red, amber, and yellow) 36 mA (green, blue, and white)	30 mA (red, amber, and yellow) 29 mA (green, blue, and white)	
	Strobe LED	35 mA (red, amber, and yellow) 65 mA (green, blue, and white)	10 mA	
Sound Modules	Single-tone Sound Module	65 mA	31 mA	32 mA

Flashing Frequency (Light Only Modules)

Attribute	Value
Flashing LED Modules	Approximately 1.5 Hz Time On/Time OFF = 1:1
LED Strobe Modules	Approximately 2 Hz

Tone Frequency

Attribute	Value
Tone Frequency	Preset at 2500 Hz

Decibel Rating (Sound Modules) (1)

Attribute	Value
Single Tone Sound Module (SA3)	Maximum volume output is 90 dB(A) @ 1 meter (volume adjustable)

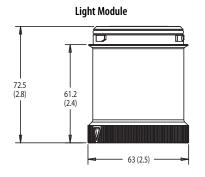
⁽¹⁾ All dB(A) ratings determined at a distance of 1 meter from sound module.

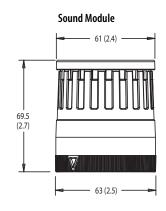
Leakage Current Impact

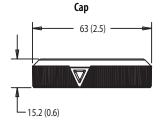
All light modules and sound modules cab absorb up to 3 mA of leakage from solid-state outputs without module activation.

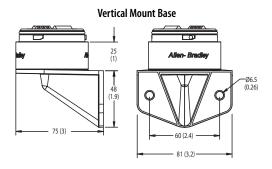
Approximate Dimensions

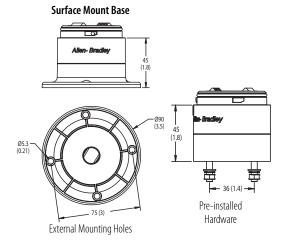
Dimensions in millimeters (inches). Dimensions are not intended to be used for manufacturing purposes.



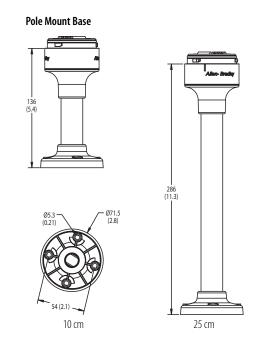


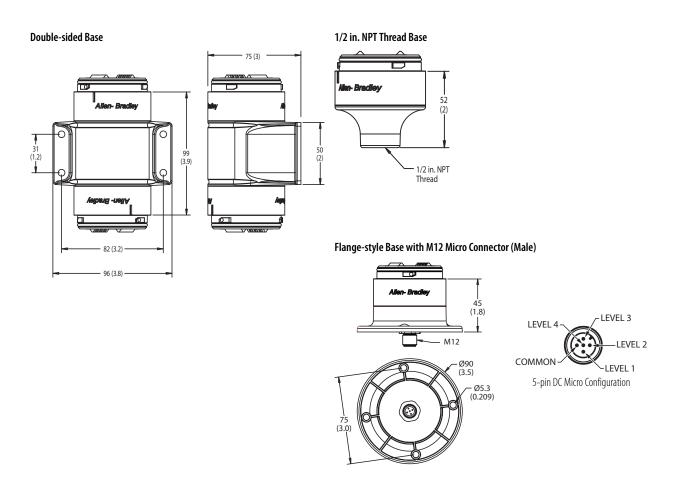






Quick Release Base Altern Breitley Altern Breitley (6.2) (80) (3.2) (12) (022) 10 cm 25 cm





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