



Control Tower Stack Lights

Bulletin Numbers 854J, 854K



LISTEN.
THINK.
SOLVE.



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Voltage	Color	Illumination Type	Cat. No.
0...250V AC/DC	Green	Steady incandescent (no lamp included; must be ordered separately)	854J-00XN3
	Red		854J-00XN4
24V AC/DC	Green	Steady LED	854J-24TL3
		Flashing LED	854J-24GL3
		Strobe LED	854J-24BL3
	Red	Steady LED	854J-24TL4
		Flashing LED	854J-24GL4
		Strobe LED	854J-24BL4
	Amber	Steady LED	854J-24TL5
		Flashing LED	854J-24GL5
		Strobe LED	854J-24BL5
120V AC	Green	Steady LED	854J-10TL3
		Flashing LED	854J-10GL3
		Strobe LED	854J-10BL3
	Red	Steady LED	854J-10TL4
		Flashing LED	854J-10GL4
		Strobe LED	854J-10BL4
	Amber	Steady LED	854J-10TL5
		Flashing LED	854J-10GL5
		Strobe LED	854J-10BL5
240V AC	Green	Steady LED	854J-20TL3
		Flashing LED	854J-20GL3
		Strobe LED	854J-20BL3
	Red	Steady LED	854J-20TL4
		Flashing LED	854J-20GL4
		Strobe LED	854J-20BL4
	Amber	Steady LED	854J-20TL5
		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

854J – B 10 SA3
 a b c

a	
Housing Color	
Code	Description
B	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	854J-B24SA3
120V AC			854J-B10SA3
240V AC			854J-B20SA3

Standard Stack Light Bases



854J – $\frac{B}{a}$ $\frac{VM}{b}$ $\frac{C}{c}$

a	
Housing Color	
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	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⁾
Black	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
	25 cm aluminum pole mount	854J-BPM25C
	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.

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
	O-rings for lenses	854J-ALSG ⁽¹⁾
	O-rings for bases	854J-ABSG ⁽¹⁾
	Gasket for SH surface mount bases	854J-ASG2 ⁽¹⁾
	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.
	Vertical Mount Gasket Replacement flat gasket is placed between the mounting surface and the vertical mount base (Cat. No. 854JBVMC).	855T-AVFG
	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
	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

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		
Shock and Vibration	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
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
	Vertical Base or 25 cm Aluminum Pole Base	55 G Shock 5 G Vibration	40 G Shock 5 G Vibration
Recommended Wire Sizes	0.2...1.5 mm ² (24...16 AWG)		
Recommended Terminal Torque	Screwless terminal blocks		

Environmental Ratings

Attribute	Value	
Ingress Ratings	Light Modules with Cap	UL Type 4/4X/13, IP66
	Sound Modules	
	Surface, Vertical, and Tube Mount Bases	
	Pole Mount Bases	
	Flange-style Base with M12 Micro Connector ⁽¹⁾	
Temperature Ratings — All Products	Operating Temperature	-30...60 °C (-22...140 °F) For Cat. No. 854J-BSFQD5C only: -30...45 °C (-22...113 °F)
	Storage Temperature	-30...85 °C (-22...185 °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
Light Output	Strobe LED	Red	4430 mcd	3915 mcd	
		Green	4216 mcd	4080 mcd	
		Amber	4430 mcd	3915 mcd	
		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 ($\pm 10\%$)	110V AC, 50 Hz ($\pm 10\%$) 120V AC, 60 Hz ($\pm 10\%$)	230V AC, 50 Hz ($\pm 10\%$) 240V AC, 60 Hz ($\pm 10\%$)

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 (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)

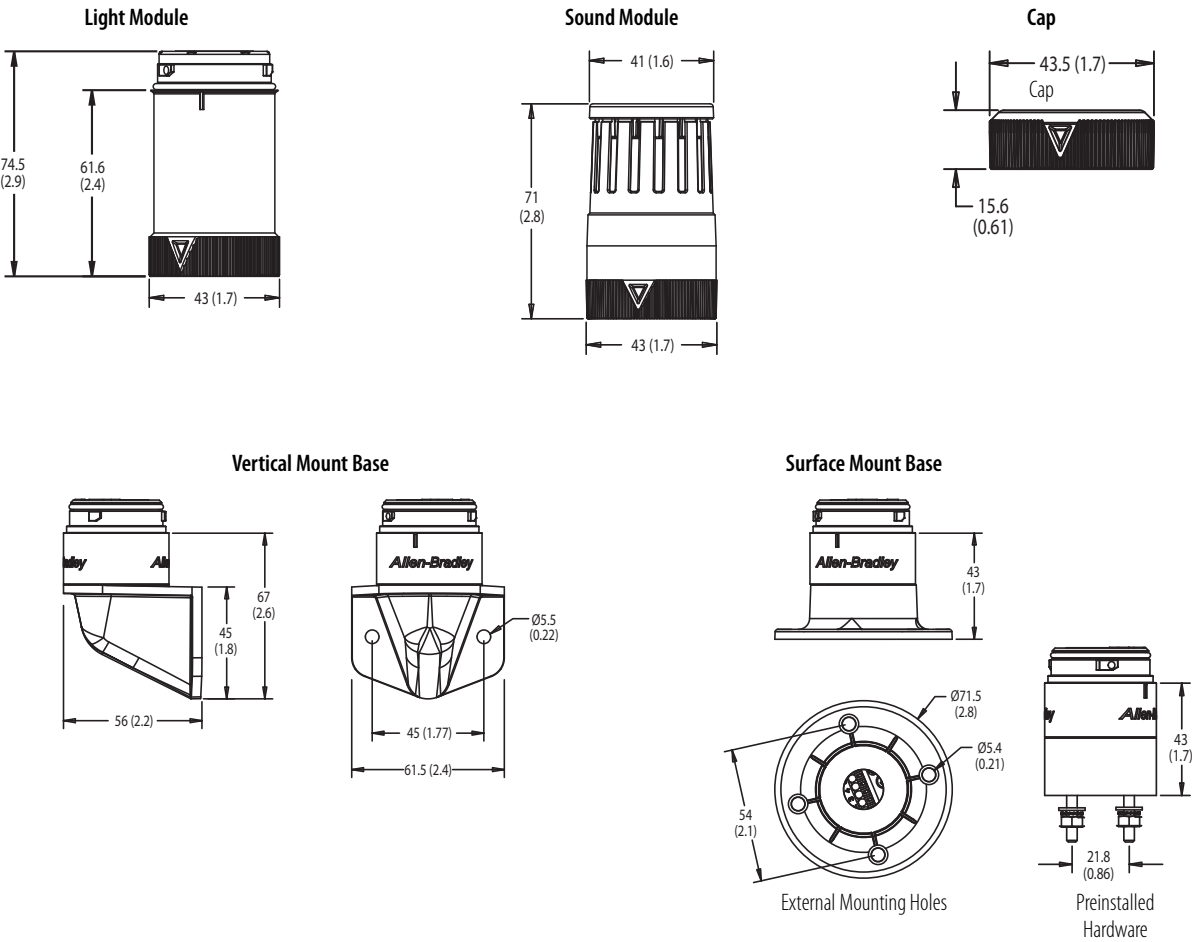
(1) All dB(A) ratings determined at a distance of 1 meter from sound module.

Leakage Current Impact

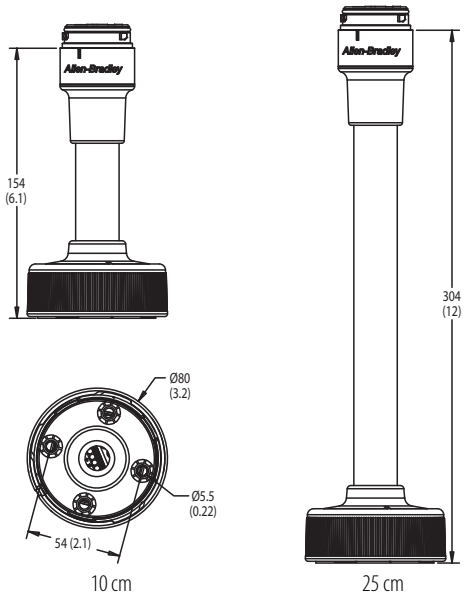
All light modules and sound modules can absorb up to 3 mA of leakage from solid-state outputs without module activation.
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Approximate Dimensions

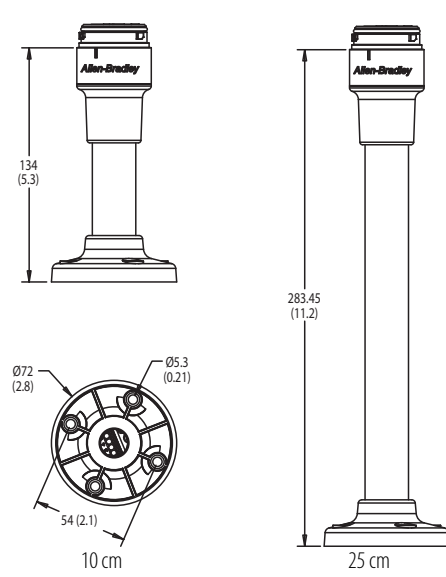
Dimensions in millimeters (inches). Dimensions are not intended to be used for manufacturing purposes.



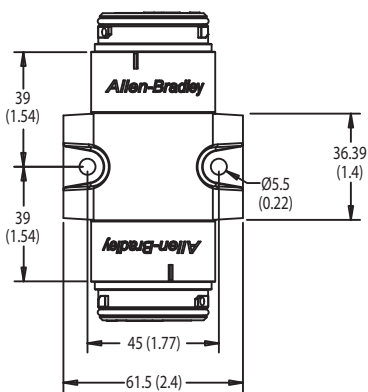
Quick Release Base



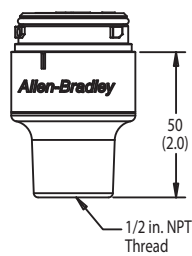
Pole Mount Base



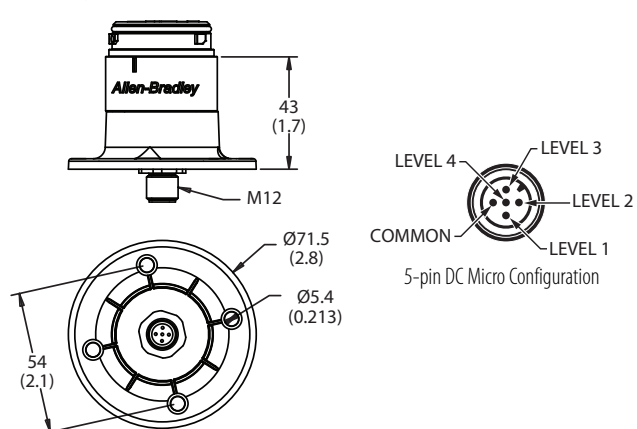
Double-sided Base



1/2 in. NPT Thread Base



Flange-style Base with M12 Micro Connector (Male)



Notes:

Voltage	Color	Illumination Type	Cat. No.
0...250V AC/DC	Green	Steady incandescent (no lamp included; must be ordered separately)	854K-00XN3
	Red		854K-00XN4
24V AC/DC	Green	Steady LED	854K-24TL3
		Flashing LED	854K-24GL3
		Strobe LED	854K-24BL3
	Red	Steady LED	854K-24TL4
		Flashing LED	854K-24GL4
		Strobe LED	854K-24BL4
	Amber	Steady LED	854K-24TL5
		Flashing LED	854K-24GL5
		Strobe LED	854K-24BL5
120V AC	Green	Steady LED	854K-10TL3
		Flashing LED	854K-10GL3
		Strobe LED	854K-10BL3
	Red	Steady LED	854K-10TL4
		Flashing LED	854K-10GL4
		Strobe LED	854K-10BL4
	Amber	Steady LED	854K-10TL5
		Flashing LED	854K-10GL5
		Strobe LED	854K-10BL5
240V AC	Green	Steady LED	854K-20TL3
		Flashing LED	854K-20GL3
		Strobe LED	854K-20BL3
	Red	Steady LED	854K-20TL4
		Flashing LED	854K-20GL4
		Strobe LED	854K-20BL4
	Amber	Steady LED	854K-20TL5
		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.



Sound Module

854K – B 10 SA3
 a b c

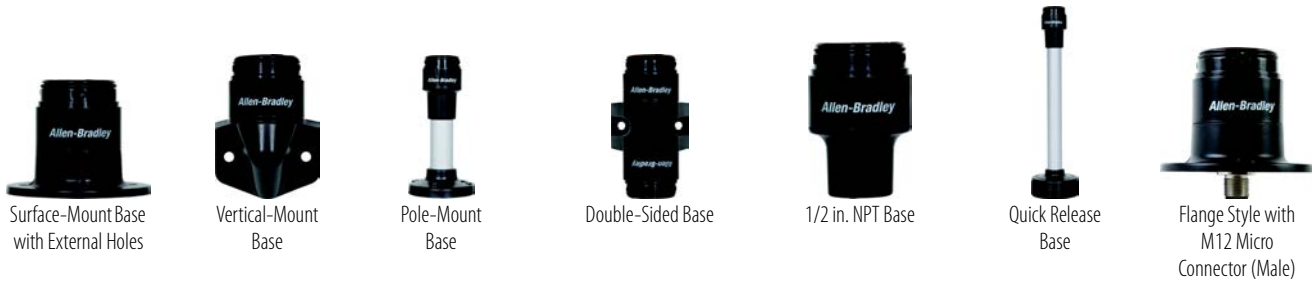
a	
Housing Color	
Code	Description
B	Black

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



854K — $\frac{B}{a}$ $\frac{VM}{b}$ $\frac{C}{c}$

a	
Housing Color	
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	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⁾
Black	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
	25 cm aluminum pole mount	854K-BPM25C
	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.

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	854K-ABBE
	O-rings for lenses	854K-ALSG ⁽¹⁾
	Gasket for SH surface mount bases	854K-ASG2 ⁽¹⁾
	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⁾
	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.
	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
	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
	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		
Shock and Vibration	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
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
	Vertical Base or 25 cm Aluminum Pole Base	55 G Shock 5 G Vibration	40 G Shock 5 G Vibration
Recommended Wire Sizes	0.2...2.5 mm ² (24...14 AWG)		
Recommended Terminal Torque	Screwless terminal blocks		

Environmental Ratings

Attribute	Value	
Ingress Ratings	Light Modules with Cap	UL Type 4/4X/13, IP66
	Sound Modules	
	Surface, Vertical, and Tube Mount Bases	
	Pole Mount Bases	
	Flange-style Base with M12 Micro Connector ⁽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
Light Output	Strobe LED	Red	4430 mcd	3915 mcd	
		Green	4216 mcd	4080 mcd	
		Amber	4430 mcd	3915 mcd	
		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 ($\pm 10\%$)	110V AC, 50 Hz ($\pm 10\%$) 120V AC, 60 Hz ($\pm 10\%$)	230V AC, 50 Hz ($\pm 10\%$) 240V AC, 60 Hz ($\pm 10\%$)

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)

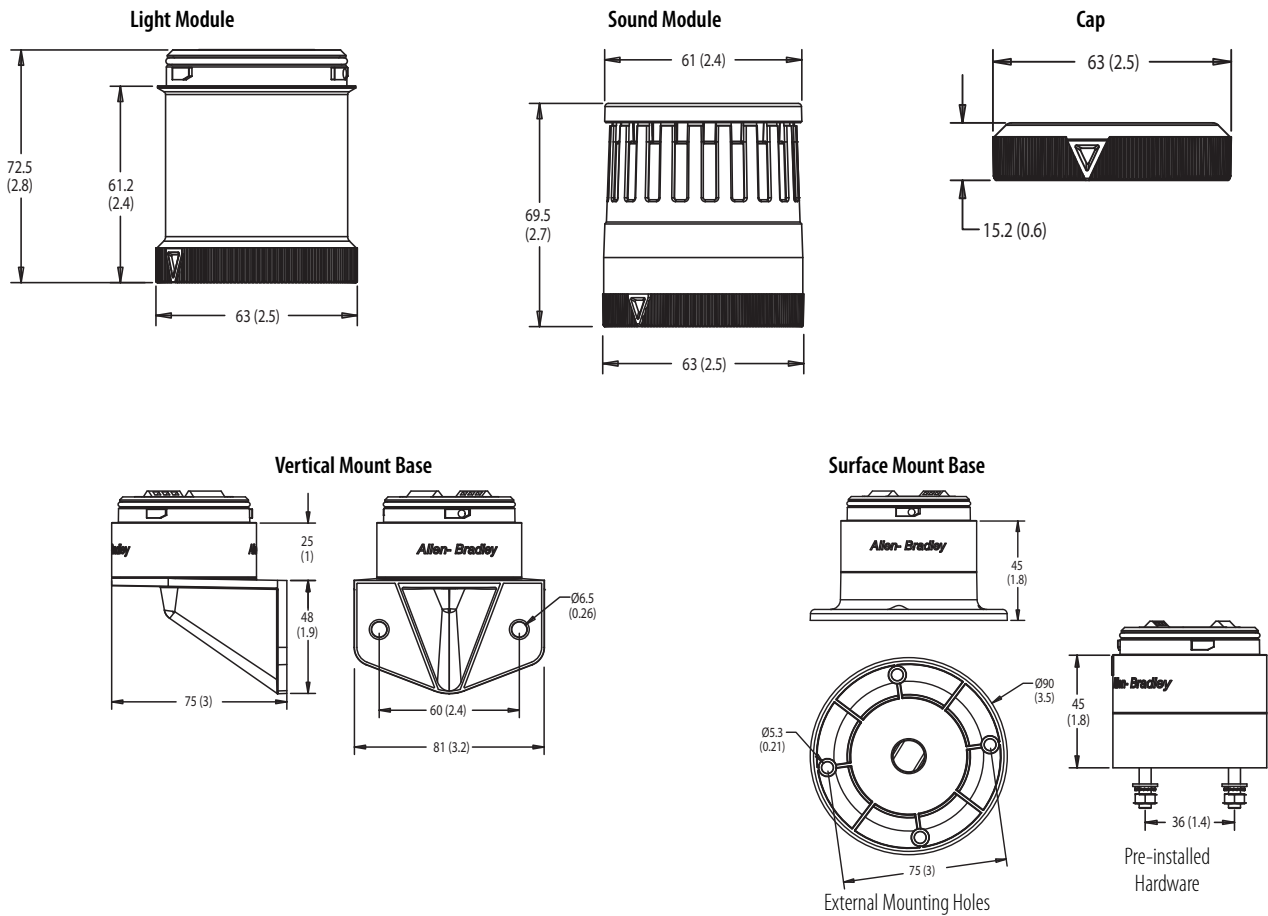
(1) All dB(A) ratings determined at a distance of 1 meter from sound module.

Leakage Current Impact

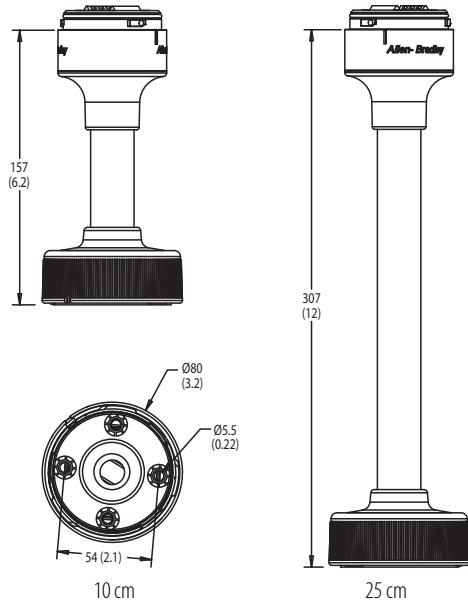
All light modules and sound modules can absorb up to 3 mA of leakage from solid-state outputs without module activation.
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Approximate Dimensions

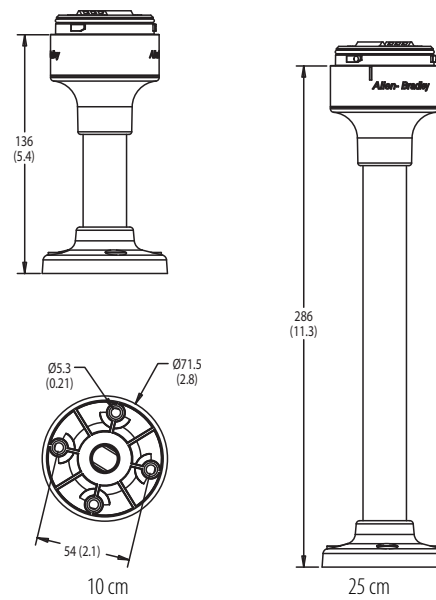
Dimensions in millimeters (inches). Dimensions are not intended to be used for manufacturing purposes.



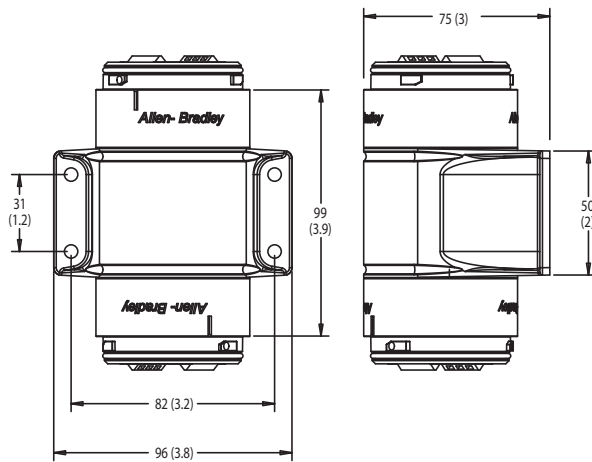
Quick Release Base



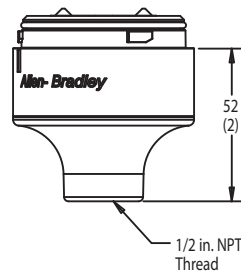
Pole Mount Base



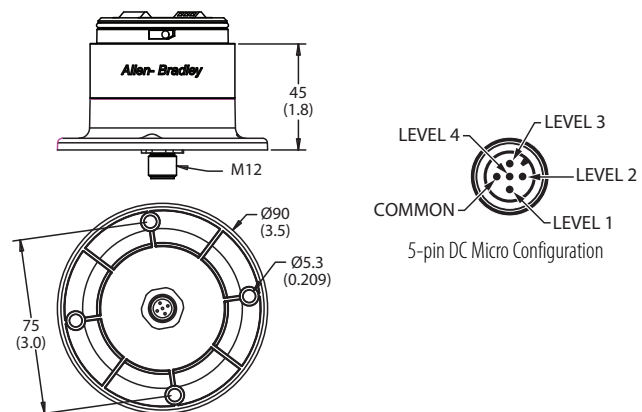
Double-sided Base



1/2 in. NPT Thread Base



Flange-style Base with M12 Micro Connector (Male)



Rockwell Automation Support

Use the following resources to access support information.

Technical Support Center	Knowledgebase Articles, How-to Videos, FAQs, Chat, User Forums, and Product Notification Updates.	www.rockwellautomation.com/knowledgebase
Local Technical Support Phone Numbers	Locate the phone number for your country.	www.rockwellautomation.com/global/support/get-support-now.page
Direct Dial Codes	Find the Direct Dial Code for your product. Use the code to route your call directly to a technical support engineer.	www.rockwellautomation.com/global/support/direct-dial.page
Literature Library	Installation Instructions, Manuals, Brochures, and Technical Data.	www.rockwellautomation.com/literature
Product Compatibility and Download Center (PCDC)	Get help determining how products interact, check features and capabilities, and find associated firmware.	www.rockwellautomation.com/global/support/pcdc.page

Documentation Feedback

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