

Bulletin 855E — 50 mm Control Tower Stack Lights

Light Modules



Flashing Incandescent

855E —

<u>10</u>	<u>FN</u>	<u>4</u>
a	b	c

a	
Voltage	
Code	Description
00	0...250V AC/DC (no lamp module) ⁽¹⁾
12	12V AC/DC
24	24V AC/DC
10	120V AC
20	240V AC

b	
Light Module Type	
Code	Description
XN	Steady no lamp ⁽¹⁾
DN	Steady incandescent
FN	Flashing incandescent
TL	Steady socket-mount LED
GL	Flashing socket-mount LED
BL	Strobe

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 socket mount incandescent lamp types only.

Sound Modules

Sound modules have continuous and pulsing tones. Maximum sound output is 103 dB at 1 m (3.3 ft). A reduced volume setting is available by changing the position of the volume DIP switch, which produces a sound output of 88 dB(A) at 1 (3.3 ft). Maximum sound output is 80 dB(A) at 1 m (3.3 ft).



Black Two-tone Sound Module

855E —

<u>B</u>	<u>10</u>	<u>TA3</u>
a	b	c

a	
Housing Color	
Code	Description
B	Black
G	Gray

b	
Voltage	
Code	Description
12	12V AC/DC
24	24V AC/DC
10	120V AC
20	240V AC

c	
Module Type	
Code	Description
SA3	Single circuit/single tone piezo style steady/pulsing DIP switch selectable
TA	Two circuit/two-tone piezo style steady/pulsing DIP switch selectable

Standard Stack Light Bases



Surface-mount Base with Cap



Vertical-mount Base with Cap



Pole-mount Bases



Quick-release Base

855E – $\frac{B}{a}$ $\frac{VM}{b}$ $\frac{C}{c}$

a	
Housing Color	
Code	Description
B	Black
G	Gray

b	
Base Type	
Code	Description
CB	Surface mount with 1/2 in. NPT threading
RB	Surface mount with M20 metric threading
SB	Surface mount with PG16 threading
TM	25 mm tube mount
VM	Vertical mount
PM10	10 cm aluminum pole-mount base
PM25	25 cm aluminum pole-mount base
PM40	40 cm aluminum pole-mount base
PM60	60 cm aluminum pole-mount base
PM80	80 cm aluminum pole-mount base
MM10	10 cm quick-release base
MM25	25 cm quick-release base
MM40	40 cm quick-release base

c	
Cap Option ⁽¹⁾	
Code	Description
Blank	No cap
C	Cap included

(1) Quick-release bases always include a cap.

Specifications (Bulletin 855E)

Table 62 - Mechanical

Standard Bases		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.	
		Shock [G]	Vibration [G]
Surface Mount Base or 10 cm Aluminum Pole Base	1 module stack	150	5
	3 module stack	45	1.5
	5 module stack	35	0.75
Vertical Base or 25 cm Aluminum Pole Base	1 module stack	95	3.5
	3 module stack	30	1.25
	5 module stack	20	0.5
Recommended Wire Sizes		0.5...1.5 mm ² (22...16 AWG)	
Recommended Terminal Torque		0.87 N•m (7 lb•in)	

Table 63 - Environmental

Attribute		Value
Ingress Ratings	Light Modules with Cap	IP66/UL Type 4/4X/13
	Sound Modules	IP66/UL Type 4/4X/13
	Surface, Vertical, Tube Mount Bases	IP66/UL Type 4/4X/13
	Pole Mount Bases	IP66/UL Type 4/4X/13
	Flange-style Base with M12 Micro Connector ⁽¹⁾	IP66/UL Type 4/4X/13
Temperature Ranges	Operating	-25...+50 °C (-13...+122 °F)
	Storage	-40...+85 °C (-40...+185 °F)

(1) UL Type 1 when used with Cat. No. 855T-AVM mounting bracket.

Table 64 - Materials

Part	Material
Bases, Caps, Lens Covers, Sound Module Housings, 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
Insulation Sleeve (for pole insulation)	Polyolefin
Mounting Screw Washers	Polypropylene

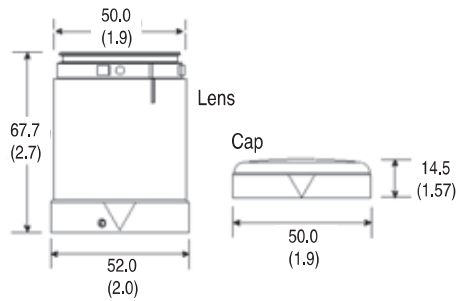
Table 65 - Light Output

Device		Light Output			
		12V AC/DC	24V AC/DC	120V AC	240V AC
Steady Incandescent		0.5 MSCP	2.5 MSCP	3.0 MSCP	0.49 MSCP
Flashing Incandescent		6.3 Lumens	31.4 Lumens	37.7 Lumens	6.2 Lumens
Strobe		1 J per lamp			
Steady, Flashing Socket Mount LED	Red	900...2240 mcd			
	Green	900...1800 mcd			
	Amber	1400...3550 mcd			
	Blue	224...560 mcd			
	White and Yellow	900...1800 mcd			

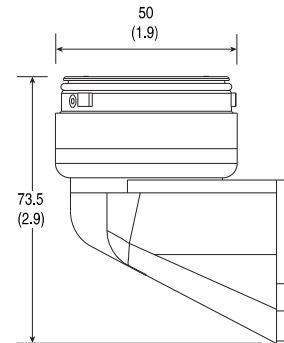
Approximate Dimensions (Bulletin 855E)

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

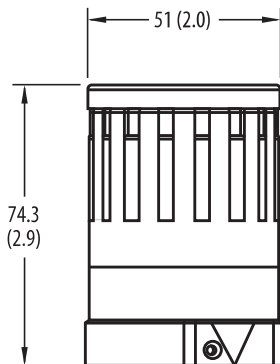
Light Modules



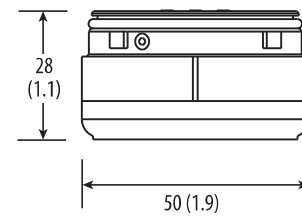
Vertical Mount Base



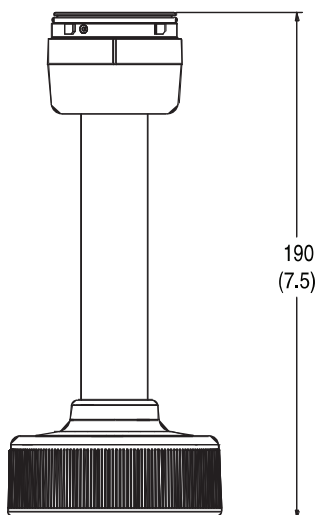
Sound Module



Surface Mount Base



Quick Release Base



Pole Mount Bases

