



# Towering Above The Rest

*Allen-Bradley's Bulletin 855T  
Control Tower™ Stack Lights*





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# F A M O U S T O W E R S

*The Leaning Tower of Pisa, the Eiffel Tower, the Tower of London – all have something in common. They're world famous, they attract world attention, and they all have unique characteristics. And now another famous tower joins the group – Allen-Bradley Control Tower™ Stack Lights offering unique characteristics in signaling products.*

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**Our Bulletin 855T's** are a full line of the most versatile and easy to use products ever, offering easy to use features such as “no tools required” assembly and superior stacking configurations.

We can help you transmit signals both visually and audibly. Whether you need lights, sound, or light and sound combinations, Allen-Bradley Control Tower™ Stack Lights have a solution for you.

**Safety and productivity** are at the forefront of global manufacturing issues, and our Control Tower™ Stack Lights offer visual and audio indication to enhance safety and increase productivity in your environment. From the simplest to the most challenging applications, our Control Tower™ Stack Lights provide efficient control and automatic monitoring – whether it's signaling a press operator of an open door or alerting an entire facility of a substance spill. And when used with PLCs or sensors, Control Tower™ Stack Lights can signal breakdowns and material shortages, helping keep downtime in check.

Housing available  
in black or gray.

Combination sound  
and light modules  
feature field-adjustable  
tone settings.

All light modules are  
ready to use with  
lamps included.

No tools required assembly.  
Simply fasten modules together.

Incandescent lamps  
are a snap to change.  
12V & 24V AC/DC and  
110/120V & 230/240V AC.

Combination light  
and sound modules –  
an Allen-Bradley  
exclusive.

68.0 mm  
(2.7")

Modules available  
in six colors.

Double-insulated pole  
bases eliminate need for  
grounding provisions.

Choose from four base  
types, in black or gray.

# Famous Features and Unique Characteristics

> **NO TOOLS REQUIRED:** Here it is at last – stack lights with “No Tools Required” assembly. Simply push the modules together at alignment points and twist into the locked position – and you’re done. Our Control Tower™ Stack Lights create their own internal electrical bus system, so there’s no wiring needed between modules. This provides the flexibility to safely and easily reconfigure your stack at any time – that’s it, it’s that simple.



> **SIX COLORS:** We offer six lens colors (red, amber, green, blue, yellow, and clear.) Our lenses are constructed with enhanced optics for maximum light output.



> **ILLUMINATION:** You can choose from six illumination options – incandescent in steady or flashing, LED in steady, flashing and rotating, and strobe.

> **LAMPS:** Changing incandescent lamps couldn’t be easier. Power disconnects when lenses are separated at any level, and lamps are quick and easy to change. Our Control Tower™ Stack Lights are designed to help reduce risk of injury by providing these easy maintenance features.



> **HOUSING:** These units will fit into your application environment with modules and bases in your choice of either black or gray housing.

# Famous Features and Unique Characteristics continued



- > **AUDIO:** Now with Allen-Bradley Control Tower™ Stack Lights you have more ways than ever to be heard...
- > **STACKING OPTIONS:** Place your choice of a sound module or a combination light/sound module at the top of your stack. Use a combination light/sound module for five lights plus sound in a single stack. Use the single-tone module on top of as many as four light modules, and use our dual-tone module on top of as many as three light modules. They're all designed for top position, with caps built on, so topping off your stack is easy.
- > **VOLUME, TONE SPEED, AND FREQUENCY ADJUSTMENTS:** Single- and dual-tone sound modules have built-in potentiometers for field-adjustments of volume and tone speed, as well as upper and lower frequency control.
- > **tone SETTINGS:** Sound modules as well as combination light and sound modules offer field-adjustable tone settings.
  - > Combination light and sound modules – select from continuous tone or pulsing tone.
  - > Single-tone sound modules – use the dip switch setting to select from 13 different tones.
  - > Dual-tone sound modules – use the dip switch setting to select from 15 sets of 2-tone combinations.



- > **THE FREEDOM TO STACK IT AS YOU LIKE:** Position up to five light modules any way you'd like within your stack, mixing any combination of illumination types – then top off your stack with a top cap!



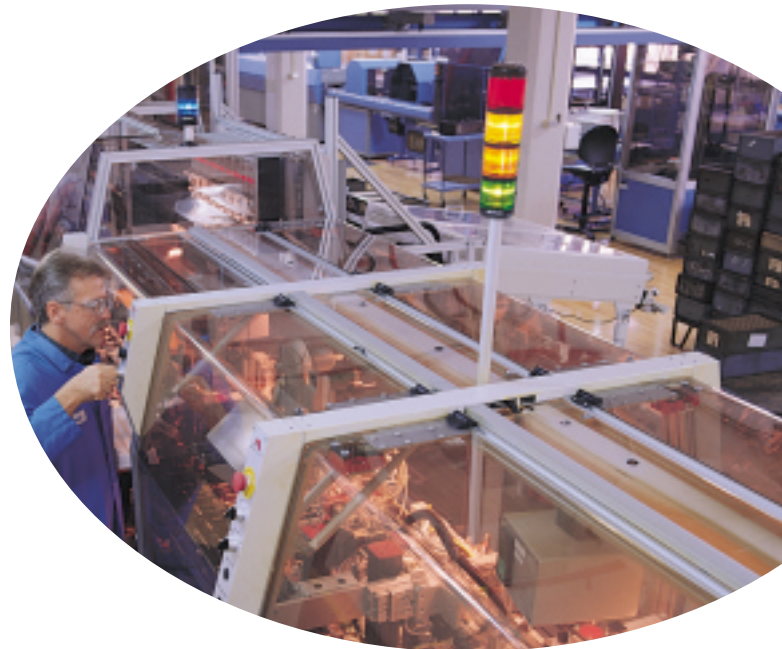
- > **VOLTAGE:** All our Control Tower™ Stack Light modules are available in 12V AC/DC, 24V AC/DC, 110/120V AC, and 230/240V AC. With all modules in a stack using a common power source, simply choose a common voltage. And with voltages clearly printed on color-coded product name plates, it's easy to put them together. Plus, our mounting bases are not voltage specific, so they can be used with any of the four voltages.

- > **BASES:** Mount modules on your choice of four base types:
  - > Surface mounts are ideal for mounting your Control Tower on minimum height applications.
  - > Double-insulated 10cm and 25cm poles add height to your Control Tower for increased visibility.
  - > For mounting on vertical equipment surfaces or walls, use a vertical/wall base.
  - > All bases come with a gasket for increased level of protection from the environment. And installation simply requires mounting base to a surface and wiring to a terminal block. No grounding wire is needed because Control Tower™ Stack Lights are made of all non-conductive material.

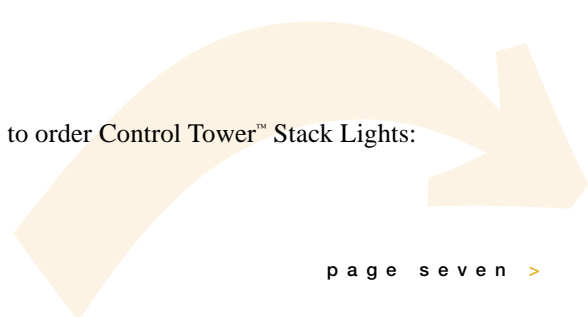


^ Manufacturing cells use Control Tower™ Stack Lights to communicate the working status of cell machinery. This contact block assembly machine uses a flashing red light to signal that the machine has stopped. Amber communicates that the machine functions are out of sync, and a steady green light indicates that the machine is running.

v Control Tower™ Stack Lights activate on this winding machine to communicate process status. A flashing red light lets the operator know when there is a mechanical breakdown, amber communicates that the machine is low on parts, and a constant green light signals that machine is in run mode.



- > **HOW TO ORDER:** Our simple catalog numbering system makes it easy to order Control Tower™ Stack Lights: Turn the page for complete selection information.



# Control Tower™ Stack Lights

NEMA Type 12/IP54 (Light Modules) and NEMA Type 1/IP53 (Sound Modules and Light Modules/with Sound)



## Bulletin 855T Control Tower™ Stack Lights

Light & Sound Signaling  
Products

Horizontal or Vertical  
Mounting

Sound Modules  
IP53/NEMA Type 1

Light Modules  
IP54/NEMA Type 12

Available as Components  
or Assembled Stacks

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## NEMA Type 12/IP54 (Light Modules) and NEMA Type 1/IP53 (Sound Modules and Light Modules/with Sound)

## Technical Data ①

Mechanical Ratings			
Description			
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	5 Module Stack
Surface Mount Base or 10cm Pole Base	150G Shock 5G Vibration	45G Shock 1.5G Vibration	35G Shock .75G Vibration
Vertical Base or 25cm Pole Base	95G Shock 3.5G Vibration	30G Shock 1.25G Vibration	20G Shock .5G Vibration
Recommended Wire Sizes	0.5–2.5mm <sup>2</sup> (22 to 14 AWG)		
Recommended Terminal Torque	0.8 Nm (7 lb-in)		
Environmental Ratings			
Ingress Ratings			
Light Modules with Cap	IP54/Type 12		
Light Modules/with Sound	IP53/Type 1		
Sound Modules	IP53/Type 1		
All Bases	IP54/Type 12		
Temperature Ratings — All Products			
Operating Temperature	-25 °C to +70 °C		
Storage Temperature	-40 °C to +85 °C		
Materials			
Bases, Cap, Lens Cover, Sound Module Housings	Polycarbonate (94V-0)		
Lenses	Polycarbonate (94V-2)		
Lamp Socket	Polycarbonate (94V-2)		
Rubber Seals and Gaskets	Nitrile Rubber		
Pole (for aluminum pole base)	Aluminum		
Conduit (for pole insulation)	Polystyrene/Polyphenylene Ether Blend		
Mounting Screw Washers	Polypropylene		
Lens O-Ring Seal	Silicone Rubber		
Approvals			
UL/cUL File Number	E14840		
CE	EN 61000, EN 55104, EN 55014, EN 61000-3-2, EN61000-3-3, EN 60335-1, EN 60598-1		

Performance Ratings				
Description	12V AC/DC	24V AC/DC	120V AC	240V AC
Light Output				
Steady Incandescent	0.5 MSCP 6.3 Lumens	2.5 MSCP 31.4 Lumens	3.0 MSCP 37.7 Lumens	0.49 MSCP 6.2 Lumens
Flashing Incandescent	0.5 MSCP 6.3 Lumens	2.5 MSCP 31.4 Lumens	3.0 MSCP 37.7 Lumens	0.49 MSCP 6.2 Lumens
Strobe	3 Joules	3 Joules	3 Joules	3 Joules
LED Red (Steady, Flashing, Rotating)	20 mcd per LED 24 LED's	20 mcd per LED 30 LED's	20 mcd per LED 30 LED's	20 mcd per LED 30 LED's
LED Green (Steady, Flashing, Rotating)	20 mcd per LED 24 LED's	20 mcd per LED 30 LED's	20 mcd per LED 30 LED's	20 mcd per LED 30 LED's
LED Amber (Steady, Flashing, Rotating)	50 mcd per LED 24 LED's	50 mcd per LED 30 LED's	50 mcd per LED 30 LED's	50 mcd per LED 30 LED's

① Performance Data — See Page Important-2 in the Industrial Controls Catalog Publication A112.

**Control Tower™™ Stack Lights**

NEMA Type 12/IP54 (Light Modules) and NEMA Type 1/IP53 (Sound Modules and Light Modules/with Sound)

**Technical Data ①**

<b>Operating Voltage</b>				
<b>Description</b>	<b>12V AC/DC</b>	<b>24V AC/DC</b>	<b>120V AC</b>	<b>240V AC</b>
<b>Light Only Modules</b>	12V AC/DC (± 10%)	24V AC/DC (± 10%)	110V AC 50 Hz (± 10%) 120V AC 60 Hz (± 10%)	230V AC 50 Hz (± 10%) 240V AC 60 Hz (± 10%)
<b>Light Modules/with Sound</b>	12V AC/DC (± 10%)	24V AC/DC (± 10%)	110V AC 50 Hz (± 10%) 120V AC 60 Hz (± 10%)	230V AC 50 Hz (± 10%) 240V AC 60 Hz (± 10%)
<b>Sound Modules</b>	12V AC/DC (± 10%)	24V AC/DC (± 10%)	110V AC 50 Hz (± 10%) 120V AC 60 Hz (± 10%)	230V AC 50 Hz (± 10%) 240V AC 60 Hz (± 10%)
<b>Lamp Life Ratings (design life)</b>				
<b>Average Life Under Static, No Vibration, Conditions</b>				
<b>Description</b>	<b>12V AC/DC</b>	<b>24V AC/DC</b>	<b>120V AC</b>	<b>240V AC</b>
<b>Incandescent Modules ②</b>	8,000 Hours	7,000 Hours	8,200 Hours	8,000 Hours
<b>LED Modules</b>	100,000 Hours	100,000 Hours	100,000 Hours	100,000 Hours
<b>Strobe Modules</b>	1,400 Hours	1,400 Hours	1,400 Hours	1,400 Hours
<b>Sound Modules</b>	20,000 Hours	20,000 Hours	20,000 Hours	20,000 Hours
② First failures at about 35% of average life. Failures under severe vibration at 44% of average life.				
<b>Current Consumption</b>				
<b>Light Only Modules</b>	<b>12V AC/DC</b>	<b>24V AC/DC</b>	<b>120V AC</b>	<b>240V AC</b>
Steady Incandescent	208 mA	271 mA	58 mA	23 mA
Flashing Incandescent	208 mA	271 mA	58 mA	23 mA
LED Steady	80 mA	80 mA	80 mA	80 mA
LED Flashing	80 mA	80 mA	80 mA	80 mA
LED Rotating	80 mA	80 mA	80 mA	80 mA
Strobe	240 mA	170 mA	50 mA	35 mA
<b>Light Modules/with Sound</b>	<b>12V AC/DC</b>	<b>24V AC/DC</b>	<b>120V AC</b>	<b>240V AC</b>
Steady Incandescent/with Sound	218 mA	281 mA	78 mA	43 mA
Flashing Incandescent/with Sound	218 mA	281 mA	78 mA	43 mA
LED Steady/with Sound	90 mA	90 mA	100 mA	100 mA
LED Flashing/with Sound	90 mA	90 mA	100 mA	100 mA
LED Rotating/with Sound	90 mA	90 mA	100 mA	100 mA
Strobe/with Sound	250 mA	180 mA	70 mA	55 mA
<b>Sound Modules</b>	<b>12V AC/DC</b>	<b>24V AC/DC</b>	<b>120V AC</b>	<b>240V AC</b>
Single Tone Sound Module	30 mA	65 mA	110V/50Hz 120V/60Hz 60 mA	230V/50Hz 240V/60Hz 60 mA
Dual Tone Sound Module	30 mA	65 mA	110V/50Hz 120V/60Hz 60 mA	230V/50Hz 240V/60Hz 60 mA

<b>Flashing Frequency (Light Only Modules)</b>	
<b>Description</b>	
<b>Flashing Incandescent Modules</b>	12V module approximately 1.5Hz 24V, 120V and 240V modules approximately 2Hz Time ON/Time OFF = 1:1
<b>Flashing LED Modules</b>	Flashing frequency approximately 1.5Hz Time ON/Time Off = 1:1
<b>Rotating LED Modules</b>	Cycle frequency approximately 1.5Hz
<b>Strobe Modules</b>	Flashing frequency approximately 2 Hz (flash duration 1/50,000 second)

① Performance Data — See Page Important-2 in the Industrial Controls Catalog Publication A112.

## NEMA Type 12/IP54 (Light Modules) and NEMA Type 1/IP53 (Sound Modules and Light Modules/with Sound)

## Technical Data ❶

<b>Flashing and Tone Frequency (Light Modules/with Sound set at continuous tone)</b>	
Description	
<b>Tone Frequency</b>	Tone frequency is pre-set at 2400Hz
<b>Flashing Incandescent/with Sound</b>	12V module approximately 1.5Hz 24V, 120V and 240V modules approximately 1.6 Hz
<b>Flashing LED/with Sound</b>	Flashing frequency approximately 1.5 Hz
<b>Rotating LED/with Sound</b>	Cycle frequency approximately 1.5Hz
<b>Strobe/with Sound</b>	Flashing frequency approximately 1.4 Hz
<b>Flashing and Tone Pulsing Frequencies (Light Modules/with Sound set at pulsing tone)</b>	
<b>Tone Frequency</b>	Tone frequency is pre-set at 2400Hz
<b>Steady Incandescent/with Sound</b>	Sound Pulsing Frequency - 1.5Hz
<b>Flashing Incandescent/with Sound</b>	Flashing and Pulsing Frequency the same at 12V module approximately 1.5Hz 24V, 120V and 240V modules approximately 1.6 Hz
<b>LED Steady/with Sound</b>	Sound Pulsing Frequency - 1.5Hz
<b>LED Flashing/with Sound</b>	Flashing and Pulsing Frequency the same at 1.5Hz
<b>LED Rotating/with Sound</b>	Rotating Cycle and Pulsing Frequency the same at 1.5Hz
<b>Strobe/with Sound</b>	Flashing and Pulsing Frequency the same at 1.4Hz
<b>Sound Frequencies (Sound Only Modules)</b>	
<b>Single Tone Sound Module</b>	Speed and Tone frequencies are dependent on tone setting and are adjustable by potentiometer
<b>Dual Tone Sound Module</b>	Speed and Tone frequencies are dependent on tone setting and are adjustable by potentiometer
<b>DB Rating (Sound Modules)</b>	
All dB(A) ratings determined at a distance of 1 meter from sound module	
<b>Single Tone Sound Module</b>	Maximum volume ranges from 93 to 103 dB(A) (volume adjustable) Based on tone selected for all settings except signal horn which has a max of 80 dB(A)
<b>Dual Tone Sound Module</b>	Maximum volume ranges from 93 to 103 dB(A) (volume adjustable) Based on tone selected for all settings except signal horn which has a max of 80 dB(A)
<b>Light Modules/with Sound (set at continuous tone)</b>	92 dB(A)
<b>Light Modules/with Sound (set at pulsing tone)</b>	92 dB(A)
<b>Leakage Current Impact</b>	
Some light and light modules/with sound may not turn off completely when connected to solid state outputs which emit leakage current. The table below identifies modules that were affected by an output module emitting a maximum of 3 mA. Shunting resistors can be used to eliminate the effect of leakage current.	
<b>12V AC/DC</b>	Flashing Incandescent/with Sound
<b>24V AC/DC</b>	Flashing Incandescent/with Sound
<b>120V AC</b>	Flashing Incandescent/with Sound Strobe/with Sound Steady LED/with Sound Flashing LED/with Sound Rotating LED/with Sound
<b>240V AC</b>	Flashing Incandescent Steady Incandescent/with Sound Flashing Incandescent/with Sound Strobe/with Sound

❶ Performance Data — See Page Important-2 in the Industrial Controls Catalog Publication A112.

**Bulletin 855T**  
**Control Tower™™ Stack Lights**  
**NEMA Type 12/IP54**

**Light Modules**



*Red Flashing Incandescent (Black Housing)*  
 120V AC Full Voltage  
 Catalog Number 855T-B10FN4

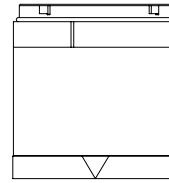


*Green Steady Incandescent (Gray Housing)*  
 24V AC/DC Full Voltage  
 Catalog Number 855T-G24DN3

Housing Color	Voltage	Color	Illumination Type	Catalog Number	*
Black	120V AC Full Voltage	Green	Steady Incandescent	855T-B10DN3	
			Flashing Incandescent	855T-B10FN3	
			Steady LED	855T-B10YL3	
		Red	Steady Incandescent	855T-B10DN4	
			Flashing Incandescent	855T-B10FN4	
			Strobe	855T-B10BR4	
		Amber	Steady Incandescent	855T-B10DN5	
			Flashing Incandescent	855T-B10FN5	
			Steady LED	855T-B10YL5	
	24V AC/DC Full Voltage	Green	Steady Incandescent	855T-B24DN3	
			Flashing Incandescent	855T-B24FN3	
			Steady LED	855T-B24YL3	
		Red	Steady Incandescent	855T-B24DN4	
			Flashing Incandescent	855T-B24FN4	
			Strobe	855T-B24BR4	
		Amber	Steady Incandescent	855T-B24DN5	
			Flashing Incandescent	855T-B24FN5	
			Steady LED	855T-B24YL5	
Gray	120V AC Full Voltage	Green	Steady Incandescent	855T-G10DN3	
			Flashing Incandescent	855T-G10FN3	
			Steady LED	855T-G10YL3	
		Red	Steady Incandescent	855T-G10DN4	
			Flashing Incandescent	855T-G10FN4	
			Strobe	855T-G10BR4	
		Amber	Steady Incandescent	855T-G10DN5	
			Flashing Incandescent	855T-G10FN5	
			Steady LED	855T-G10YL5	
	24V AC/DC Full Voltage	Green	Steady Incandescent	855T-G24DN3	
			Flashing Incandescent	855T-G24FN3	
			Steady LED	855T-G24YL3	
		Red	Steady Incandescent	855T-G24DN4	
			Flashing Incandescent	855T-G24FN4	
			Strobe	855T-G24BR4	
		Amber	Steady Incandescent	855T-G24DN5	
			Flashing Incandescent	855T-G24FN5	
			Steady LED	855T-G24YL5	

**Light Modules**

**855T–** **B** **10** **BR** **4**  
*a*    *b*    *c*    *d*



*a*

Housing Color		
Code	Description	*
B	Black	
G	Gray	

*b*

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

*c*

Module Type		
Code	Description	*
DN	Steady Incandescent	
FN	Flashing Incandescent	
YL	Steady LED ❶	
HL	Flashing LED ❶	
RL	Rotating LED ❶	
BR	Strobe	

*d*

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

❶ LED Module Types are only available with Lens Color selections of Red, Green or Amber.

**Bulletin 855T**  
**Control Tower™™ Stack Lights**  
**NEMA Type 1/IP53**

**Light Modules/with Sound**

**Description**

All modules contain a selected light option with a sound device that can be switched to 'Pulsing' or 'Continuous' with a DIP switch located inside of the module.



*Red Strobe/Sound Combination Module  
 (Black Housing)  
 120V AC Full Voltage  
 Catalog Number 855T-B10BC4*

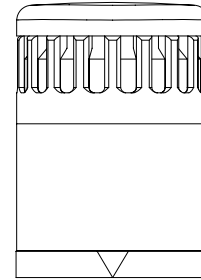
*Amber Flashing Incandescent/Sound Combination Module  
 (Gray Housing)  
 24V AC/DC Full Voltage  
 Catalog Number 855T-G24FC5*

Housing Color	Voltage	Color	Illumination Type	Catalog Number	*
Black	120V AC Full Voltage	Green	Steady Incandescent	855T-B10DC3	
			Flashing Incandescent	855T-B10FC3	
			Steady LED	855T-B10YC3	
		Red	Steady Incandescent	855T-B10DC4	
			Flashing Incandescent	855T-B10FC4	
			Strobe	855T-B10BC4	
		Amber	Steady Incandescent	855T-B10DC5	
			Flashing Incandescent	855T-B10FC5	
			Steady LED	855T-B10YC5	
	24V AC/DC Full Voltage	Green	Steady Incandescent	855T-B24DC3	
			Flashing Incandescent	855T-B24FC3	
			Steady LED	855T-B24YC3	
		Red	Steady Incandescent	855T-B24DC4	
			Flashing Incandescent	855T-B24FC4	
			Strobe	855T-B24BC4	
		Amber	Steady Incandescent	855T-B24DC5	
			Flashing Incandescent	855T-B24FC5	
			Steady LED	855T-B24YC5	
Gray	120V AC Full Voltage	Green	Steady Incandescent	855T-G10DC3	
			Flashing Incandescent	855T-G10FC3	
			Steady LED	855T-G10YC3	
		Red	Steady Incandescent	855T-G10DC4	
			Flashing Incandescent	855T-G10FC4	
			Strobe	855T-G10BC4	
		Amber	Steady Incandescent	855T-G10DC5	
			Flashing Incandescent	855T-G10FC5	
			Steady LED	855T-G10YC5	
	24V AC/DC Full Voltage	Green	Steady Incandescent	855T-G24DC3	
			Flashing Incandescent	855T-G24FC3	
			Steady LED	855T-G24YC3	
		Red	Steady Incandescent	855T-G24DC4	
			Flashing Incandescent	855T-G24FC4	
			Strobe	855T-G24BC4	
		Amber	Steady Incandescent	855T-G24DC5	
			Flashing Incandescent	855T-G24FC5	
			Steady LED	855T-G24YC5	

**Light Modules/with Sound**

**Description**

All modules contain a selected light option with a sound device that can be switched to 'Pulsing' or 'Continuous' with a DIP switch located inside of the module.



**855T–** **B** **10** **DC** **3**  
*a*     *b*     *c*     *d*

*a*

Housing Color		
Code	Description	*
B	Black	
G	Gray	

*b*

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

*c*

Module Type		
Code	Description	*
DC	Steady Incandescent/with Sound	
FC	Flashing Incandescent/with Sound	
YC	Steady LED/with Sound ❶	
HC	Flashing LED/with Sound ❶	
RC	Rotating LED/with Sound ❶	
BC	Strobe/with Sound	

*d*

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

❶ LED Module Types are only available with Lens Color selections of Red, Green or Amber.

# Control Tower™™ Stack Lights

NEMA Type 1/IP53

## Sound Modules, Single Tone/Single Circuit



Single Tone/Single Circuit  
Sound Module (Black Housing)  
24V AC/DC Full Voltage  
Catalog Number 855T-B24SA1



Single Tone/Single Circuit  
Sound Module (Gray Housing)  
120V AC Full Voltage  
Catalog Number 855T-G10SA1

Housing Color	Voltage	Module	Tone	Catalog Number	*
Black	120V AC Full Voltage	Single Tone Sound Module	Preset as Triangle Tone	855T-B10SA1	
	24V AC/DC Full Voltage	Single Tone Sound Module	Preset as Triangle Tone	855T-B24SA1	
Gray	120V AC Full Voltage	Single Tone Sound Module	Preset as Triangle Tone	855T-G10SA1	
	24V AC/DC Full Voltage	Single Tone Sound Module	Preset as Triangle Tone	855T-G24SA1	

**Note:** This Module can be modified through a Dip Switch Setting to produce any 1 of 13 different tones.  
See pages NO TAG and NO TAG for Tone, Volume, and Speed Adjustment information.

## Sound Modules, Dual Tone/Two Circuit



Dual Tone/Two Circuit Sound Module (Black Housing)  
120V AC Full Voltage  
Catalog Number 855T-B10TA1



Dual Tone/Two Circuit Sound Module (Gray Housing)  
24V AC/DC Full Voltage  
Catalog Number 855T-G24TA1

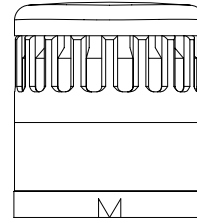
Housing Color	Voltage	Module	Tone	Catalog Number	*
Black	120V AC Full Voltage	Dual Tone Sound Module	Preset Tones as Triangle Tone/Continuous Tone	855T-B10TA1	
	24V AC/DC Full Voltage	Dual Tone Sound Module	Preset Tones as Triangle Tone/Continuous Tone	855T-B24TA1	
Gray	120V AC Full Voltage	Dual Tone Sound Module	Preset Tones as Triangle Tone/Continuous Tone	855T-G10TA1	
	24V AC/DC Full Voltage	Dual Tone Sound Module	Preset Tones as Triangle Tone/Continuous Tone	855T-G24TA1	

**Note:** This Module can be modified through a Dip Switch Setting to produce any 1 of 15 different dual tone combinations.  
See pages NO TAG and NO TAG for Tone, Volume, and Speed Adjustment information.



**Sound Modules, Single Tone/Single Circuit**

**855T–** **B** **10** **SA** **1**  
*a*      *b*      *c*      *d*



*a*

Housing Color		
Code	Description	*
B	Black	
G	Gray	

*c*

Module Type		
Code	Description	*
SA	Single Tone Sound Module ❶ with 13 different tones	

*d*

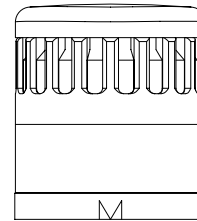
Tone Type		
Code	Description	*
1	Preset to produce Triangle Tone	

*b*

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

**Sound Modules, Dual Tone/Two Circuit**

**855T–** **G** **24** **TA** **1**  
*a*      *b*      *c*      *d*



*a*

Housing Color		
Code	Description	*
B	Black	
G	Gray	

*c*

Module Type		
Code	Description	*
TA	Dual Tone Sound Module with ❷ 15 sets of dual tone combinations	

*d*

Tone Type		
Code	Description	*
1	Preset to produce the combination of Triangle Tone/Continuous Tone	

*b*

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

❶ This module uses 1 circuit in a stack. It can be used with a maximum of any 4 Light Modules and must be placed on top of a stack.  
 ❷ This module uses 2 circuits in a stack. It can be used with a maximum of any 3 Light Modules and must be placed on top of a stack.

**Bulletin 855T**  
**Control Tower™™ Stack Lights**  
**NEMA Type 12/IP54**

**Tower Light Bases**



Surface Mount Base with Cap (Black)  
 Catalog Number 855T-BSBC



10cm Pole Mount Base (Black)  
 Catalog Number 855T-BPM10



25cm Pole Mount Base (Gray)  
 Catalog Number 855T-GPM25

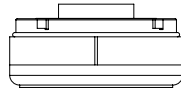


Vertical Mount Base with Cap (Gray)  
 Catalog Number 855T-GVMC

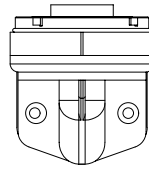
Housing Color	Base Type	Cap Option	Catalog Number	*
Black	Surface Mount	With Cap	855T-BSBC	
		Without Cap	855T-BSB	
	Vertical Mount	With Cap	855T-BVMC	
		Without Cap	855T-BVM	
	10cm Pole Mount	With Cap	855T-BPM10C	
		Without Cap	855T-BPM10	
	25cm Pole Mount	With Cap	855T-BPM25C	
		Without Cap	855T-BPM25	
Gray	Surface Mount	With Cap	855T-GSBC	
		Without Cap	855T-GSB	
	Vertical Mount	With Cap	855T-GVMC	
		Without Cap	855T-GVM	
	10cm Pole Mount	With Cap	855T-GPM10C	
		Without Cap	855T-GPM10	
	25cm Pole Mount	With Cap	855T-GPM25C	
		Without Cap	855T-GPM25	

**Tower Light Bases**

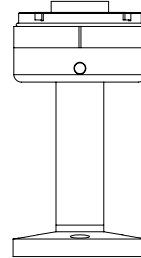
855T- **B** **SB** **C**  
           *a*    *b*    *c*



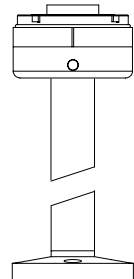
Surface Mount



Vertical Mount



10cm Pole Mount



25cm Pole Mount

*a*

Housing Color		
Code	Description	*
B	Black	
G	Gray	

*b*

Base Type		
Code	Description	*
SB	Surface Mount	
VM	Vertical Mount	
PM10	10cm Pole Mount	
PM25	25cm Pole Mount	

*c*

Cap Option		
Code	Description	*
Blank	No Cap	
C	Cap Included	

# Control Tower™ Stack Lights

NEMA Type 12/IP54 (Light Modules) and NEMA Type 1/IP53 (Sound Modules and Light Modules/with Sound)

## Pre-Assembled Stacks, One Module



Surface Mount Base with Cap (Gray)  
Red Flashing Incandescent/with Sound (Level 1)  
120V AC Full Voltage  
Catalog Number 855TS-G10H4



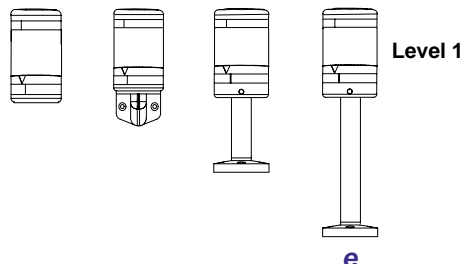
10cm Pole Mount Base with Cap (Black)  
Green Flashing Incandescent (Level 1)  
120V AC Full Voltage  
Catalog Number 855TP-B10F3

Base Type	Housing Color	Voltage	Modules	Catalog Number	*
Surface Mount (With Cap)	Black	120V AC Full Voltage	Red Steady Incandescent	855TS-B10D4	
			Red Flashing Incandescent	855TS-B10F4	
			Red Flashing Incand./with Sound	855TS-B10H4	
			Green Steady Incandescent	855TS-B10D3	
			Green Flashing Incandescent	855TS-B10F3	
			Green Flashing Incand./with Sound	855TS-B10H3	
	Gray	120V AC Full Voltage	Red Steady Incandescent	855TS-G10D4	
			Red Flashing Incandescent	855TS-G10F4	
			Red Flashing Incand./with Sound	855TS-G10H4	
			Green Steady Incandescent	855TS-G10D3	
			Green Flashing Incandescent	855TS-G10F3	
			Green Flashing Incand./with Sound	855TS-G10H3	
10cm Pole Mount (With Cap)	Black	120V AC Full Voltage	Red Steady Incandescent	855TP-B10D4	
			Red Flashing Incandescent	855TP-B10F4	
			Red Flashing Incand./with Sound	855TP-B10H4	
			Green Steady Incandescent	855TP-B10D3	
			Green Flashing Incandescent	855TP-B10F3	
			Green Flashing Incand./with Sound	855TP-B10H3	
	Gray	120V AC Full Voltage	Red Steady Incandescent	855TP-G10D4	
			Red Flashing Incandescent	855TP-G10F4	
			Red Flashing Incand./with Sound	855TP-G10H4	
			Green Steady Incandescent	855TP-G10D3	
			Green Flashing Incandescent	855TP-G10F3	
			Green Flashing Incand./with Sound	855TP-G10H3	
Vertical Mount (With Cap)	Black	120V AC Full Voltage	Red Steady Incandescent	855TV-B10D4	
			Red Flashing Incandescent	855TV-B10F4	
			Red Flashing Incand./with Sound	855TV-B10H4	
			Green Steady Incandescent	855TV-B10D3	
			Green Flashing Incandescent	855TV-B10F3	
			Green Flashing Incand./with Sound	855TV-B10H3	
	Gray	120V AC Full Voltage	Red Steady Incandescent	855TV-G10D4	
			Red Flashing Incandescent	855TV-G10F4	
			Red Flashing Incand./with Sound	855TV-G10H4	
			Green Steady Incandescent	855TV-G10D3	
			Green Flashing Incandescent	855TV-G10F3	
			Green Flashing Incand./with Sound	855TV-G10H3	

**NEMA Type 12/IP54 (Light Modules) and NEMA Type 1/IP53 (Sound Modules and Light Modules/with Sound)**

**Pre-Assembled Stacks, One Module**

**855 TS - B 12 Y 3**  
*a b c d e*  
 (Level 1)  
*d + e*



**a**

Base Type		
Code	Description	*
TS	Surface Mount	
TV	Vertical Mount	
TP	10cm Pole Mount	
TE	25cm Pole Mount	

**c**

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

**e**

Lens Color		
Code	Description	*
1	Sound Module ②	
3	Green	
4	Red	
5	Amber	
6	Blue	
7	Clear	
8	Yellow	

**b**

Housing Color		
Code	Description	*
B	Black	
G	Gray	

**d**

Module Type		
Code	Description	*
D	Steady Incandescent	
F	Flashing Incandescent	
Y	Steady LED ①	
L	Flashing LED ①	
R	Rotating LED ①	
B	Strobe	
T	Steady Incandescent/with Sound	
H	Flashing Incandescent/with Sound	
E	Steady LED/with Sound ①	
G	Flashing LED/with Sound ①	
N	Rotating LED/with Sound ①	
Z	Strobe/with Sound	
A	Single Tone Sound Module	
W	Dual Tone Sound Module	

① LED Module Types are only available with Lens Color selections of Red, Green or Amber.

② Sound Module from table “e” can only be selected with Single Tone or Dual Tone Module Types from table “d”.

# Control Tower™ Stack Lights

NEMA Type 12/IP54 (Light Modules) and NEMA Type 1/IP53 (Sound Modules and Light Modules/with Sound)

## Pre-Assembled Stacks, Two Modules

10cm Pole Mount Base with Cap (Black)  
 24V AC/DC Full Voltage  
 Red Flashing Incandescent (Level 2)  
 Green Steady Incandescent (Level 1)  
 Catalog Number 855TP-B24D3F4



Surface Mount Base (Gray)  
 120V AC Full Voltage  
 Single Tone Sound Module (Level 2)  
 Red Flashing Incandescent (Level 1)  
 Catalog Number 855TS-G10F4A1

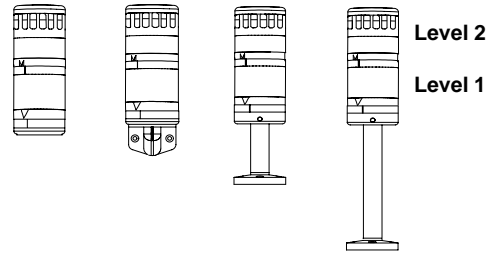


Base Type	Housing Color	Voltage	Modules – Level 1 <i>(1st level on base)</i>	Modules – Level 2 <i>(stacked on 1st level)</i>	Catalog Number	*
Surface Mount (With Cap)	Black	120V AC Full Voltage	Green Steady Incandescent	Red Flashing Incandescent	855TS-B10D3F4	
			Green Steady Incandescent	Red Steady Incandescent	855TS-B10D3D4	
			Red Flashing Incandescent	Green Steady Incandescent	855TS-B10F4D3	
			Green Steady Incandescent	Red Strobe	855TS-B10D3B4	
			Green Steady LED	Red Flashing LED	855TS-B10Y3L4	
		Red Flashing Incandescent	Single Tone Sound Module	855TS-B10F4A1		
		24V AC/DC Full Voltage	Green Steady Incandescent	Red Flashing Incandescent	855TS-B24D3F4	
			Green Steady Incandescent	Red Steady Incandescent	855TS-B24D3D4	
			Red Flashing Incandescent	Green Steady Incandescent	855TS-B24F4D3	
			Green Steady Incandescent	Red Strobe	855TS-B24D3B4	
	Green Steady LED		Red Flashing LED	855TS-B24Y3L4		
	Red Flashing Incandescent	Single Tone Sound Module	855TS-B24F4A1			
	Gray	120V AC Full Voltage	Green Steady Incandescent	Red Flashing Incandescent	855TS-G10D3F4	
			Green Steady Incandescent	Red Strobe	855TS-G10D3B4	
			Red Flashing Incandescent	Single Tone Sound Module	855TS-G10F4A1	
		24V AC/DC Full Voltage	Green Steady Incandescent	Red Flashing Incandescent	855TS-G24D3F4	
			Green Steady Incandescent	Red Strobe	855TS-G24D3B4	
			Green Steady Incandescent	Red Steady Incandescent	855TS-G24D3D4	
10cm Pole Mount (With Cap)	Black	120V AC Full Voltage	Green Steady Incandescent	Red Flashing Incandescent	855TP-B10D3F4	
			Green Steady Incandescent	Red Steady Incandescent	855TP-B10D3D4	
			Red Flashing Incandescent	Green Steady Incandescent	855TP-B10F4D3	
			Green Steady Incandescent	Red Strobe	855TP-B10D3B4	
			Green Steady LED	Red Flashing LED	855TP-B10Y3L4	
		Red Flashing Incandescent	Single Tone Sound Module	855TP-B10F4A1		
		24V AC/DC Full Voltage	Green Steady Incandescent	Red Flashing Incandescent	855TP-B24D3F4	
			Green Steady Incandescent	Red Steady Incandescent	855TP-B24D3D4	
			Red Flashing Incandescent	Green Steady Incandescent	855TP-B24F4D3	
			Green Steady Incandescent	Red Strobe	855TP-B24D3B4	
	Green Steady LED		Red Flashing LED	855TP-B24Y3L4		
	Red Flashing Incandescent	Single Tone Sound Module	855TP-B24F4A1			
	Gray	120V AC Full Voltage	Green Steady Incandescent	Red Flashing Incandescent	855TP-G10D3F4	
			Green Steady Incandescent	Red Strobe	855TP-G10D3B4	
			Red Flashing Incandescent	Single Tone Sound Module	855TP-G10F4A1	
		24V AC/DC Full Voltage	Green Steady Incandescent	Red Flashing Incandescent	855TP-G24D3F4	
			Green Steady Incandescent	Red Strobe	855TP-G24D3B4	
			Green Steady Incandescent	Red Steady Incandescent	855TP-G24D3D4	

NEMA Type 12/IP54 (Light Modules) and NEMA Type 1/IP53 (Sound Modules and Light Modules/with Sound)

Pre-Assembled Stacks, Two Modules

855 **TS** – **B** **12** **Y** **3** **L** **4**  
*a* *b* *c* *d* *e* *d* *e*  
 (Level 1) (Level 2)  
*d+e* *d+e*



*a*

Base Type		
Code	Description	*
TS	Surface Mount	
TV	Vertical Mount	
TP	10cm Pole Mount	
TE	25cm Pole Mount	

*c*

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

*e*

Lens Color		
Code	Description	*
1	Sound Module ③	
3	Green	
4	Red	
5	Amber	
6	Blue	
7	Clear	
8	Yellow	

*b*

Housing Color		
Code	Description	*
B	Black	
G	Gray	

*d*

Module Type		
Code	Description	*
D	Steady Incandescent	
F	Flashing Incandescent	
Y	Steady LED ①	
L	Flashing LED ①	
R	Rotating LED ①	
B	Strobe	
T	Steady Incandescent/with Sound ②	
H	Flashing Incandescent/with Sound ②	
E	Steady LED/with Sound ①②	
G	Flashing LED/with Sound ①②	
N	Rotating LED/with Sound ①②	
Z	Strobe/Sound Combo ②	
A	Single Tone Sound Module ②	
W	Dual Tone Sound Module ②	

① LED Module Types are only available with Lens Color selections of Red, Green or Amber.

② Only one Sound Module, or Light Module/with Sound can be assembled per stack. These modules must always be placed in the top position.

③ Sound Module from table “e” can only be selected with Single Tone or Dual Tone Module Types from table “d”.

# Control Tower™ Stack Lights

NEMA Type 12/IP54 (Light Modules) and NEMA Type 1/IP53 (Sound Modules and Light Modules/with Sound)

## Pre-Assembled Stacks, Three Modules

Surface Mount Base with Cap (Black)  
 120V AC Full Voltage  
 Red Flashing Incandescent (Level 3)  
 Amber Steady Incandescent (Level 2)  
 Green Steady Incandescent (Level 1)  
 Catalog Number 855TS-B10D3D5F4



10cm Pole Mount Base with Cap (Gray)  
 120V AC Full Voltage  
 Red Strobe (Level 3)  
 Amber Flashing Incandescent (Level 2)  
 Green Steady Incandescent (Level 1)  
 Catalog Number 855TP-G10D3F5B4



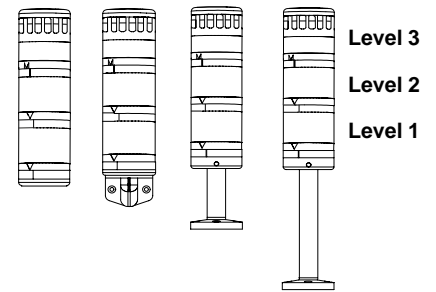
Base Type	Housing Color	Voltage	Modules – Level 1 (1st level on base)	Modules – Level 2 (stacked on 1st level)	Modules – Level 3 (stacked on 2nd level)	Catalog Number	*
Surface Mount (With Cap)	Black	120V AC	Green Steady Incand.	Amber Steady Incand.	Red Steady Incand.	855TS-B10D3D5D4	
			Green Steady Incand.	Amber Steady Incand.	Red Flashing Incand.	855TS-B10D3D5F4	
			Red Flashing Incand.	Amber Flashing Incand.	Green Steady Incand.	855TS-B10F4F5D3	
			Green Steady LED	Amber Flashing LED	Red Flashing LED	855TS-B10Y3L5L4	
			Green Steady Incand.	Amber Flashing Incand.	Red Strobe	855TS-B10D3F5B4	
			Green Steady LED	Amber Flashing LED	Red Strobe	855TS-B10Y3L5B4	
		24V AC/DC	Green Steady Incand.	Amber Steady Incand.	Red Steady Incand.	855TS-B24D3D5D4	
			Green Steady Incand.	Amber Steady Incand.	Red Flashing Incand.	855TS-B24D3D5F4	
			Red Flashing Incand.	Amber Flashing Incand.	Green Steady Incand.	855TS-B24F4F5D3	
			Green Steady LED	Amber Flashing LED	Red Flashing LED	855TS-B24Y3L5L4	
			Green Steady Incand.	Amber Flashing Incand.	Red Strobe	855TS-B24D3F5B4	
			Green Steady LED	Amber Flashing LED	Red Strobe	855TS-B24Y3L5B4	
	Gray	120V AC	Green Steady Incand.	Amber Steady Incand.	Red Flashing Incand.	855TS-G10D3D5F4	
			Green Steady Incand.	Amber Flashing Incand.	Red Strobe	855TS-G10D3F5B4	
			Green Steady LED	Amber Flashing LED	Red Strobe	855TS-G10Y3L5B4	
		24V AC/DC	Green Steady Incand.	Amber Steady Incand.	Red Flashing Incand.	855TS-G24D3D5F4	
			Green Steady Incand.	Amber Flashing Incand.	Red Strobe	855TS-G24D3F5B4	
			Green Steady LED	Amber Flashing LED	Red Strobe	855TS-G24Y3L5B4	
10cm Pole Mount (With Cap)	Black	120V AC	Green Steady Incand.	Amber Steady Incand.	Red Steady Incand.	855TP-B10D3D5D4	
			Green Steady Incand.	Amber Steady Incand.	Red Flashing Incand.	855TP-B10D3D5F4	
			Red Flashing Incand.	Amber Flashing Incand.	Green Steady Incand.	855TP-B10F4F5D3	
			Green Steady LED	Amber Flashing LED	Red Flashing LED	855TP-B10Y3L5L4	
			Green Steady Incand.	Amber Flashing Incand.	Red Strobe	855TP-B10D3F5B4	
			Green Steady LED	Amber Flashing LED	Red Strobe	855TP-B10Y3L5B4	
		24V AC/DC	Green Steady Incand.	Amber Steady Incand.	Red Steady Incand.	855TP-B24D3D5D4	
			Green Steady Incand.	Amber Steady Incand.	Red Flashing Incand.	855TP-B24D3D5F4	
			Red Flashing Incand.	Amber Flashing Incand.	Green Steady Incand.	855TP-B24F4F5D3	
			Green Steady LED	Amber Flashing LED	Red Flashing LED	855TP-B24Y3L5L4	
			Green Steady Incand.	Amber Flashing Incand.	Red Strobe	855TP-B24D3F5B4	
			Green Steady LED	Amber Flashing LED	Red Strobe	855TP-B24Y3L5B4	
	Gray	120V AC	Green Steady Incand.	Amber Steady Incand.	Red Flashing Incand.	855TP-G10D3D5F4	
			Green Steady Incand.	Amber Flashing Incand.	Red Strobe	855TP-G10D3F5B4	
			Green Steady LED	Amber Flashing LED	Red Strobe	855TP-G10Y3L5B4	
		24V AC/DC	Green Steady Incand.	Amber Steady Incand.	Red Flashing Incand.	855TP-G24D3D5F4	
			Green Steady Incand.	Amber Flashing Incand.	Red Strobe	855TP-G24D3F5B4	
			Green Steady LED	Amber Flashing LED	Red Strobe	855TP-G24Y3L5B4	



NEMA Type 12/IP54 (Light Modules) and NEMA Type 1/IP53 (Sound Modules and Light Modules/with Sound)

Pre-Assembled Stacks, Three Modules

855 **TS** – **B** **10** **Y** **3** **L** **5** **R** **4**  
*a* *b* *c* *d* *e* *d* *e* *d* *e*  
 (Level 1) (Level 2) (Level 3)  
*d + e* *d + e* *d + e*



**a**

Base Type		
Code	Description	*
TS	Surface Mount	
TV	Vertical Mount	
TP	10cm Pole Mount	
TE	25cm Pole Mount	

**c**

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

**e**

Lens Color		
Code	Description	*
1	Sound Module ③	
3	Green	
4	Red	
5	Amber	
6	Blue	
7	Clear	
8	Yellow	

**b**

Housing Color		
Code	Description	*
B	Black	
G	Gray	

**d**

Module Type		
Code	Description	*
D	Steady Incandescent	
F	Flashing Incandescent	
Y	Steady LED ①	
L	Flashing LED ①	
R	Rotating LED ①	
B	Strobe	
T	Steady Incandescent/with Sound ②	
H	Flashing Incandescent/with Sound ②	
E	Steady LED/with Sound ①②	
G	Flashing LED/with Sound ①②	
N	Rotating LED/with Sound ①②	
Z	Strobe/with Sound ②	
A	Single Tone Sound Module ②	
W	Dual Tone Sound Module ②	

① LED Module Types are only available with Lens Color selections of Red, Green or Amber.

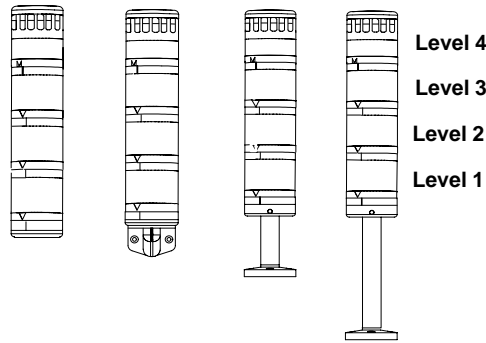
② Only one Sound Module, or Light Module/with Sound can be assembled per stack. These modules must always be placed in the top position.

③ Sound Module from table “e” can only be selected with Single Tone or Dual Tone Module Types from table “d”.

# Control Tower™ Stack Lights

NEMA Type 12/IP54 (Light Modules) and NEMA Type 1/IP53 (Sound Modules and Light Modules/with Sound)

## Pre-Assembled Stacks, Four Modules



855 **TS** — **B** **10** **Y** **4** **L** **5** **B** **3** **F** **7**

*a*      *b*      *c*      *d*      *e*      *d*      *e*      *d*      *e*      *d*      *e*

(Level 1)      (Level 2)      (Level 3)      (Level 4)

*d+e*      *d+e*      *d+e*      *d+e*

*a*

Base Type		
Code	Description	*
TS	Surface Mount	
TV	Vertical Mount	
TP	10cm Pole Mount	
TE	25cm Pole Mount	

*c*

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

*e*

Lens Color		
Code	Description	*
1	Sound Module ②	
3	Green	
4	Red	
5	Amber	
6	Blue	
7	Clear	
8	Yellow	

*b*

Housing Color		
Code	Description	*
B	Black	
G	Gray	

*d*

Module Type		
Code	Description	*
D	Steady Incandescent	
F	Flashing Incandescent	
Y	Steady LED ①	
L	Flashing LED ①	
R	Rotating LED ①	
B	Strobe	
T	Steady Incandescent/with Sound ②	
H	Flashing Incandescent/with Sound ②	
E	Steady LED/with Sound ①②	
G	Flashing LED/with Sound ①②	
N	Rotating LED/with Sound ①②	
Z	Strobe/with Sound ②	
A	Single Tone Sound Module ②	
W	Dual Tone Sound Module ②	

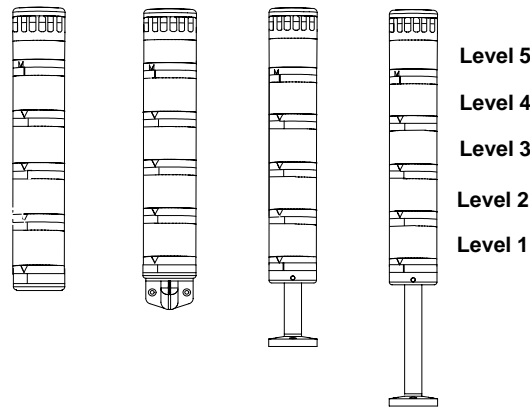
① LED Module Types are only available with Lens Color selections of Red, Green or Amber.

② Only one Sound Module, or Light Module/with Sound can be assembled per stack. These modules must always be placed in the top position.

③ Sound Module from table "e" can only be selected with Single Tone or Dual Tone Module Types from table "d".

NEMA Type 12/IP54 (Light Modules) and NEMA Type 1/IP53 (Sound Modules and Light Modules/with Sound)

Pre-Assembled Stacks, Five Modules



855 **TS** - **B** **10** **Y** **4** **L** **5** **B** **3** **F** **7** **S** **6**

*a*
*b*
*c*
*d*
*e*
*d*
*e*
*d*
*e*
*d*
*e*
*d*
*e*

(Level 1)
(Level 2)
(Level 3)
(Level 4)
(Level 5)

*d+e*
*d+e*
*d+e*
*d+e*
*d+e*

*a*

Base Type		
Code	Description	*
TS	Surface Mount	
TV	Vertical Mount	
TP	10cm Pole Mount	
TE	25cm Pole Mount	

*c*

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

*e*

Lens Color		
Code	Description	*
1	Sound Module ③	
3	Green	
4	Red	
5	Amber	
6	Blue	
7	Clear	
8	Yellow	

*b*

Housing Color		
Code	Description	*
B	Black	
G	Gray	

*d*

Module Type		
Code	Description	*
D	Steady Incandescent	
F	Flashing Incandescent	
Y	Steady LED ①	
L	Flashing LED ①	
R	Rotating LED ①	
B	Strobe	
T	Steady Incandescent/with Sound ②	
H	Flashing Incandescent/with Sound ②	
E	Steady LED/with Sound ①②	
G	Flashing LED/with Sound ①②	
N	Rotating LED/with Sound ①②	
Z	Strobe/with Sound ②	
A	Single Tone Sound Module ②	
W	Dual Tone Sound Module ②	

① LED Module Types are only available with Lens Color selections of Red, Green or Amber.


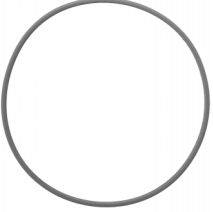
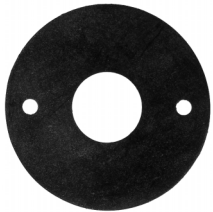

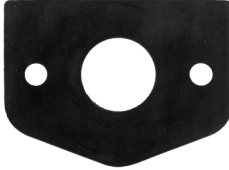
② Only one Sound Module, or Light Module/with Sound can be assembled per stack. These modules must always be placed in the top position.

③ Sound Module from table “e” can only be selected with Single Tone or Dual Tone Module Types from table “d”.

**Control Tower™™ Stack Lights**

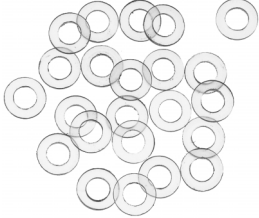

NEMA Type 12/IP54 (Light Modules) and NEMA Type 1/IP53 (Sound Modules and Light Modules/with Sound)

**General Accessories**

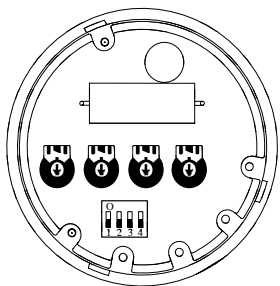
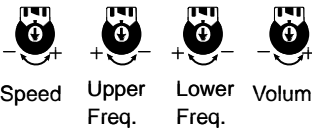

























Photo	Description	Catalog Number	*
 <p>(BA15d Bayonet) 19mm Socket Height</p>	12 Volt Incandescent (AC/DC)	855T-L12	
	24 Volt Incandescent (AC/DC)	855T-L24	
	120 Volt Incandescent (AC)	855T-L10	
	240 Volt Incandescent (AC)	855T-L20	
	<b>Replacement</b> Rubber O-rings are to be installed on the top of all bases and Light Only Modules. O-ring can not be used to interface with Sound Only Modules.  <b>(Must order multiples of 5)</b>	855T-ALSG	
	<b>Replacement</b> Flat Gasket is to be placed between the mounting surface and the Surface Mount Base.  <b>(Must order multiples of 5)</b>	855T-ASFG	
	<b>Replacement</b> Flat Gasket is to be placed between the mounting surface and the Pole Base Bottom Foot.  <b>(Must order multiples of 5)</b>	855T-APFG	
	<b>Replacement</b> Flat Gasket is to be placed between the mounting surface and the Vertical Mount Base.  <b>(Must order multiples of 5)</b>	855T-AVFG	

**NEMA Type 12/IP54 (Light Modules) and NEMA Type 1/IP53 (Sound Modules and Light Modules/with Sound)**

**General Accessories**

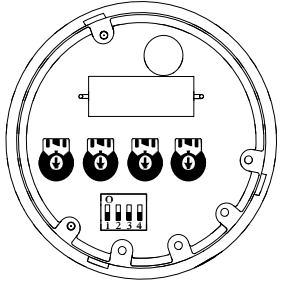










































Photo	Description	Catalog Number		*
<p><b>Mounting Screw Washer Kit</b></p> 	<p>Replacement flat washers are used to provide a seal where the mounting screw meets the pole and vertical bases. (Not required for surface mount bases) <b>(1 Kit includes 20 pcs.)</b></p>	855T-AMSG		
Photo	Description	Color	Catalog Number	*
<p><b>Caps (top of stack)</b></p> 	<p>The cap is installed to the top of the upper most light module. No cap is needed if the top module is a sound module, or a Light/with Sound Module.</p>	Black	855T-ABCAP	
		Gray	855T-AGCAP	

**Tone Table, Single Tone/Single Circuit Sound Module**

  Adjustable Sound Settings	Dip Switch Position	Tone Description		Speed	Upper Frequency	Lower Frequency	Volume
		Triangle Tone		7-22 Hz	1500 Hz	500 Hz	80-100 dB(A)
	Continuous Tone		—	●	500	83-100 dB(A)	
	Interrupted Tone		0.5-1.5 Hz	●	500-1500 Hz	83-103 dB(A)	
	Changing Tone		0.5-1.5 Hz	500-1500 Hz	500-1500 Hz	83-103 dB(A)	
	Saw Tooth Tone Ascending		0.5-1.5 Hz	500-1500 Hz	500-1500 Hz	83-103 dB(A)	
	Saw Tooth Tone Descending		0.5-1.5 Hz	500-1500 Hz	500-1500 Hz	83-103 dB(A)	
	Sine Wave Tone		0.5-1.5 Hz	500-1500-Hz	500-1500 Hz	82-102 dB(A)	
	DIN-Emergency Signal	DIN 33404	1 Hz	1200 Hz	500 Hz	82-102 dB(A)	
	Siren (Non-Repeating)		2-4 s	1500 Hz	500 Hz	83-103 dB(A)	
	Signal Horn Continuous Tone		—	●	100-350 Hz	64-80 dB(A)	
	Three Tone Gong		2-4 s	660 Hz 550 Hz 440 Hz		76-95 dB(A)	
	Two Tone Gong		2-3 s	550 Hz 440 Hz		75-93 dB(A)	
	Gong		1-3 s	●	500-1500 Hz	75-93 dB(A)	

● Set to maximum (+).

**Tone Table, Dual Tone/Two Circuit Sound Module**

	Dip Switch Position	Tone A		Tone B	
 <p>Speed    Upper Freq.    Lower Freq.    Volume</p> <p>Adjustable Sound Settings</p>		Triangle Tone		Continuous Tone	
		Continuous Tone		Changing Tone	
		Continuous Tone		Interrupted Tone	
		Interrupted Tone		Three Tone Gong	
		Interrupted Tone		Siren (Non-Repeating)	
		Changing Tone		DIN-Emergency Signal	DIN 33404
		Saw Tooth Tone Ascending		Continuous Tone	
		Saw Tooth Tone Descending		Interrupted Tone	
		Sine Wave Tone		DIN-Emergency Signal	DIN 33404
		DIN-Emergency Signal	DIN 33404	Three Tone Gong	
		Siren (Non-Repeating)		Triangle Tone	
		Signal Horn (Continuous Tone)		Continuous Tone	
		Three Tone Gong		Sine Wave Tone	
		Two Tone Gong		Two Tone Gong (Non-Repeating)	
		Gong		Continuous Tone	

# Control Tower™ Stack Lights

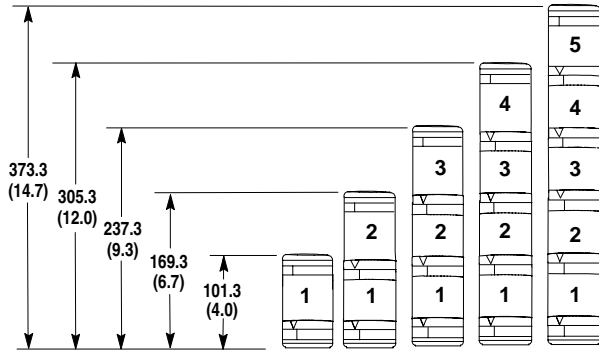
NEMA Type 1/IP53 (Sound Modules and Light Modules/with Sound) and NEMA Type 12/IP54 (Light Modules)

## Approximate Dimensions

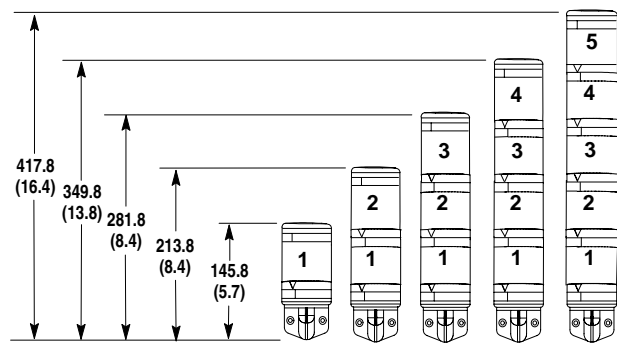
Dimensions in millimeters (inches). Dimensions are not intended to be used for manufacturing purposes.

### Assembled Stacks — Light Modules Only

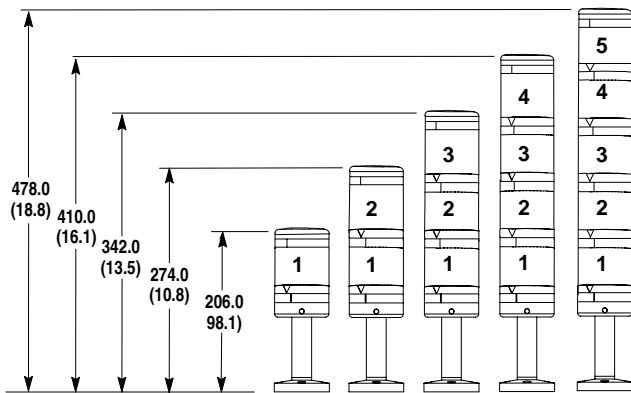
Surface Mount Base



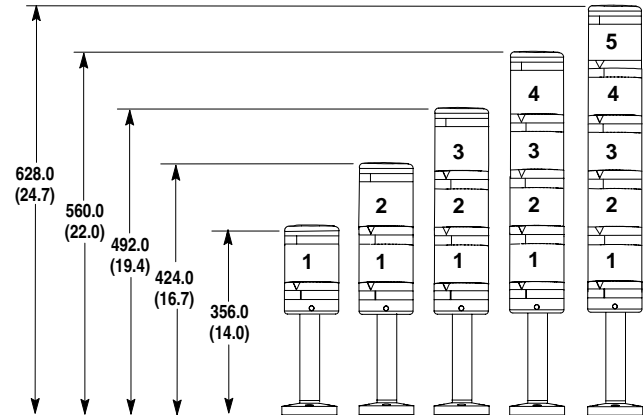
Vertical Mount Base



10cm Pole Mount Base



25cm Pole Mount Base





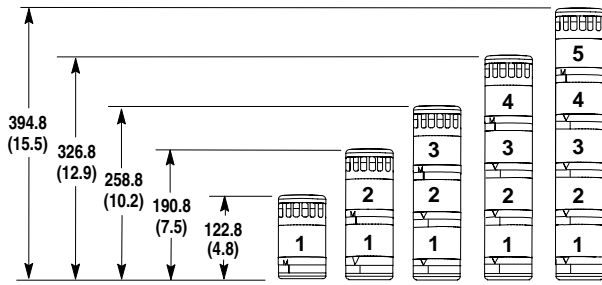
**NEMA Type 1/IP53 (Sound Modules and Light Modules/with Sound) and NEMA Type 12/IP54 (Light Modules)**

**Approximate Dimensions – Cont'd**

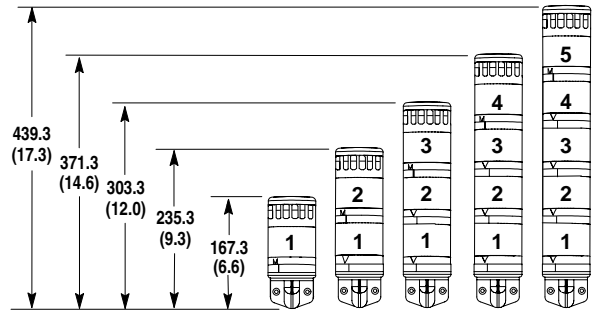
Dimensions in millimeters (inches). Dimensions are not intended to be used for manufacturing purposes.

**Assembled Stacks — Light Module/with Sound on Top**

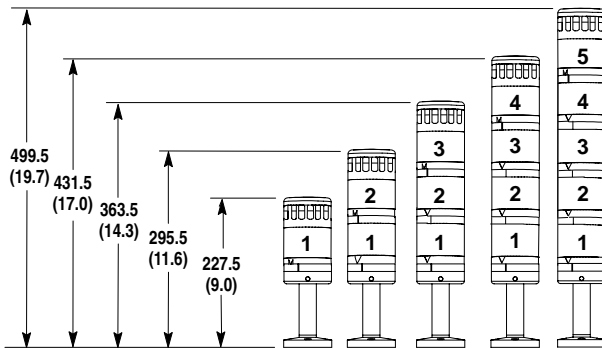
**Surface Mount Base**



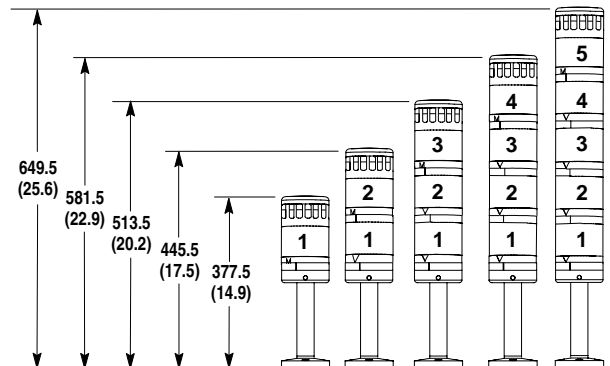
**Vertical Mount Base**



**10cm Pole Mount Base**



**25cm Pole Mount Base**



# Control Tower™ Stack Lights

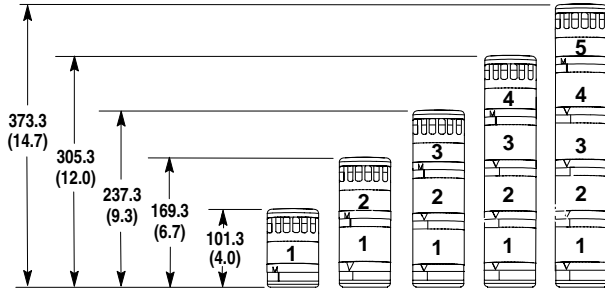
NEMA Type 1/IP53 (Sound Modules and Light Modules/with Sound) and NEMA Type 12/IP54 (Light Modules)

## Approximate Dimensions – Cont'd

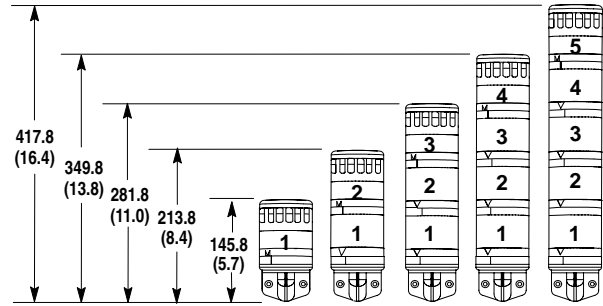
Dimensions in millimeters (inches). Dimensions are not intended to be used for manufacturing purposes.

### Assembled Stacks — Sound Module on Top

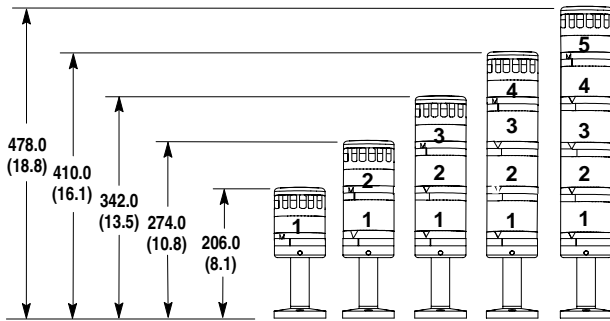
Surface Mount Base



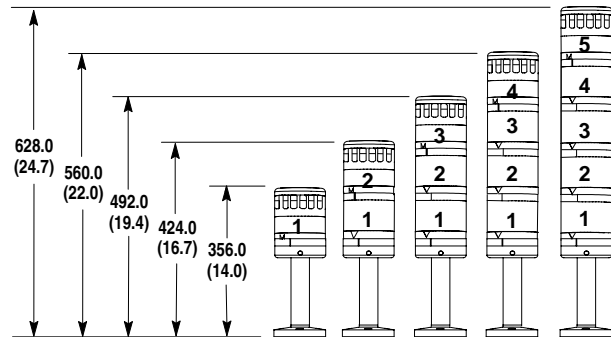
Vertical Mount Base



10cm Pole Mount Base



25cm Pole Mount Base



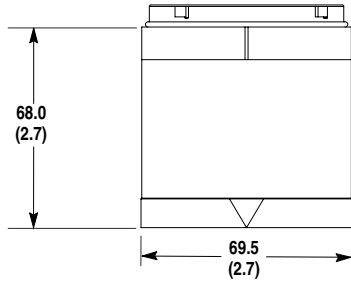
**NEMA Type 1/IP53 (Sound Modules and Light Modules/with Sound) and NEMA Type 12/IP54 (Light Modules)**

**Approximate Dimensions – Cont'd**

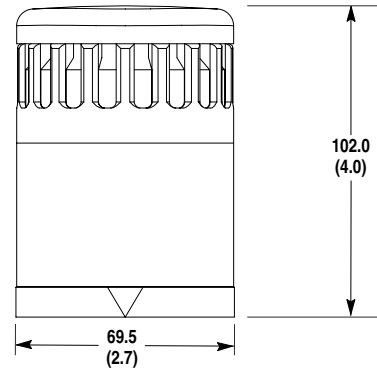
Dimensions in millimeters (inches). Dimensions are not intended to be used for manufacturing purposes.

**Component Dimensions**

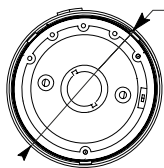
**Light Module**



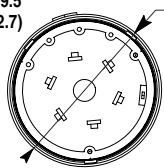
**Light/with Sound Module**



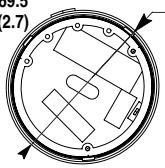
**Steady Incandescent  
Flashing Incandescent**



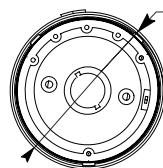
**Steady LED  
Flashing LED  
Rotating LED**



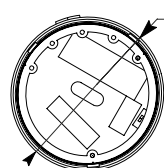
**Strobe**



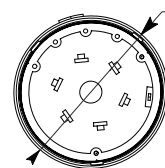
**Steady Incandescent/with Sound  
Flashing Incandescent/with Sound**



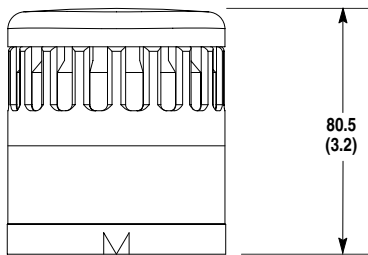
**Strobe/with Sound**



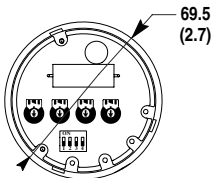
**Steady LED/with Sound  
Flashing LED/with Sound  
Rotating LED/with Sound**



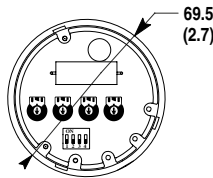
**Sound Module**



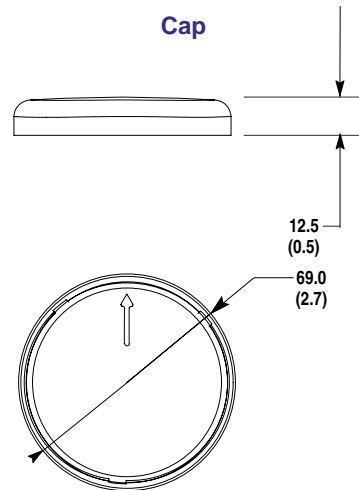
**Single Tone  
Sound Module**



**Dual Tone  
Sound Module**



**Cap**



# Control Tower™ Stack Lights

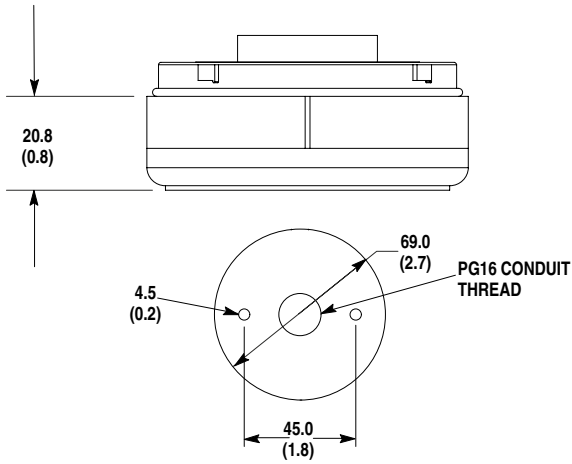
NEMA Type 1/IP53 (Sound Modules and Light Modules/with Sound) and NEMA Type 12/IP54 (Light Modules)

## Approximate Dimensions – Cont'd

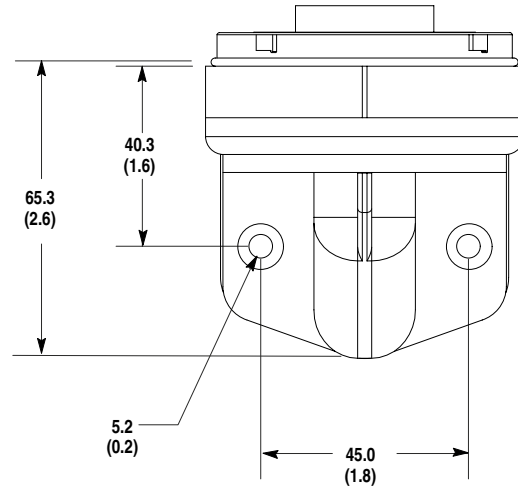
Dimensions in millimeters (inches). Dimensions are not intended to be used for manufacturing purposes.

### Component Dimensions

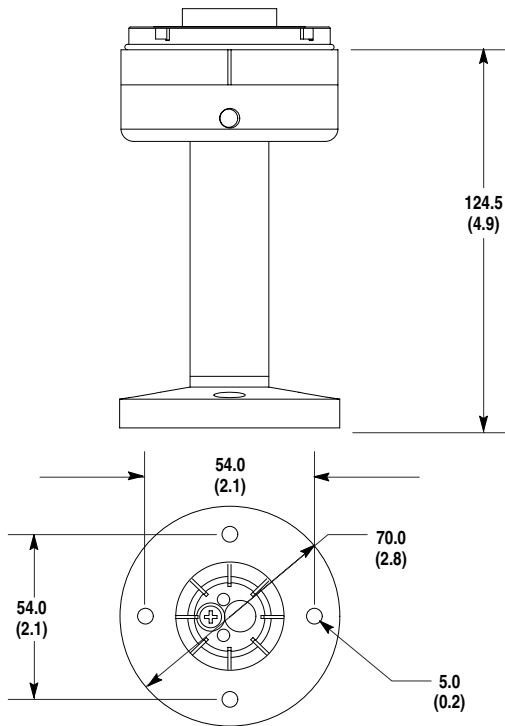
Surface Mount Base



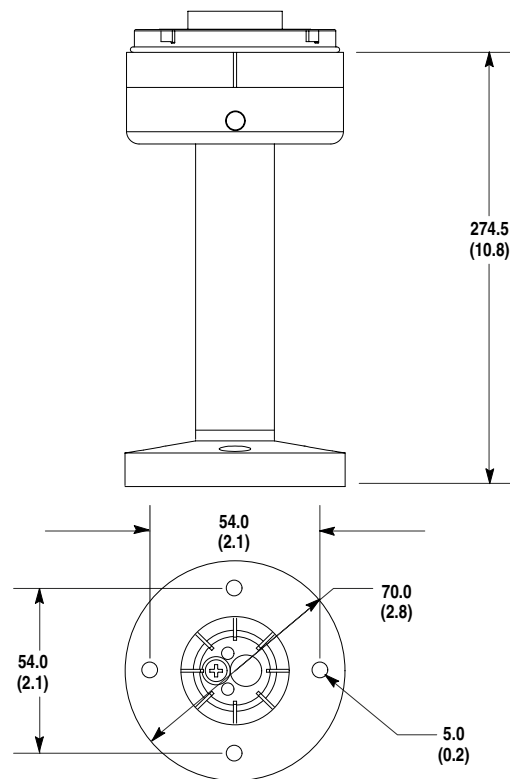
Vertical Mount Base



10cm Pole Mount Base



25cm Pole Mount Base



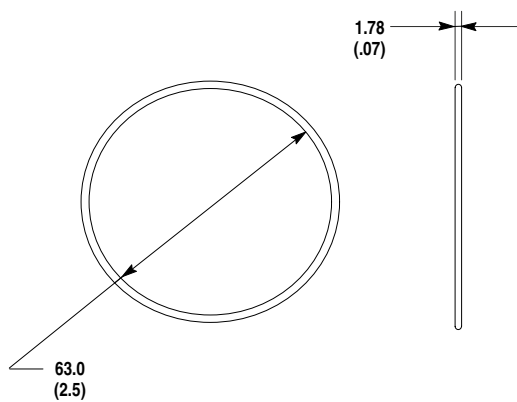
**NEMA Type 1/IP53 (Sound Modules and Light Modules/with Sound) and NEMA Type 12/IP54 (Light Modules)**

**Approximate Dimensions – Cont'd**

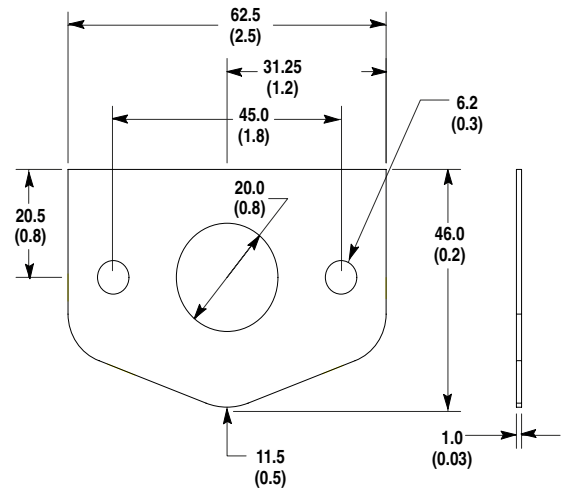
Dimensions in millimeters (inches). Dimensions are not intended to be used for manufacturing purposes.

**Component Dimensions, Accessories**

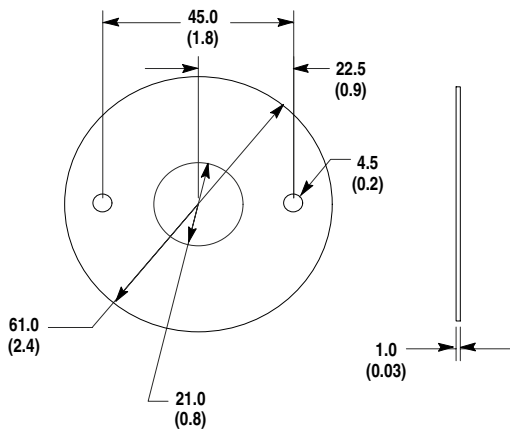
**Lens O-ring**



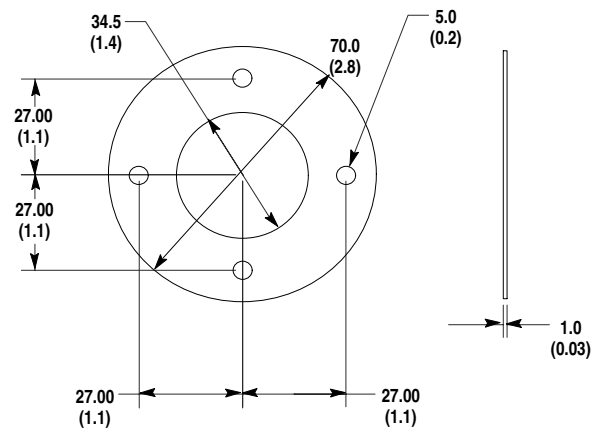
**Vertical Mount Gasket**



**Surface Mount Gasket**



**Pole Mount Gasket**



# Control Tower™™ Stack Lights

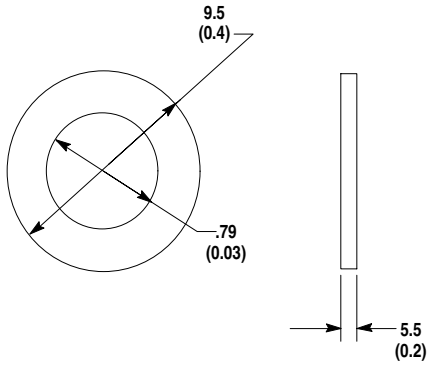
NEMA Type 1/IP53 (Sound Modules and Light Modules/with Sound) and NEMA Type 12/IP54 (Light Modules)

## Approximate Dimensions – Cont'd

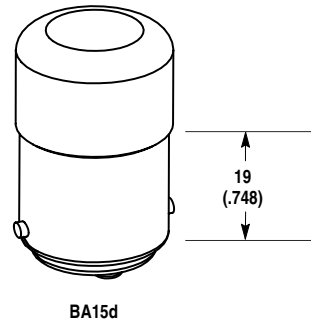
Dimensions in millimeters (inches). Dimensions are not intended to be used for manufacturing purposes.

### Component Dimensions, Accessories

Mounting Screw Washer



Lamp

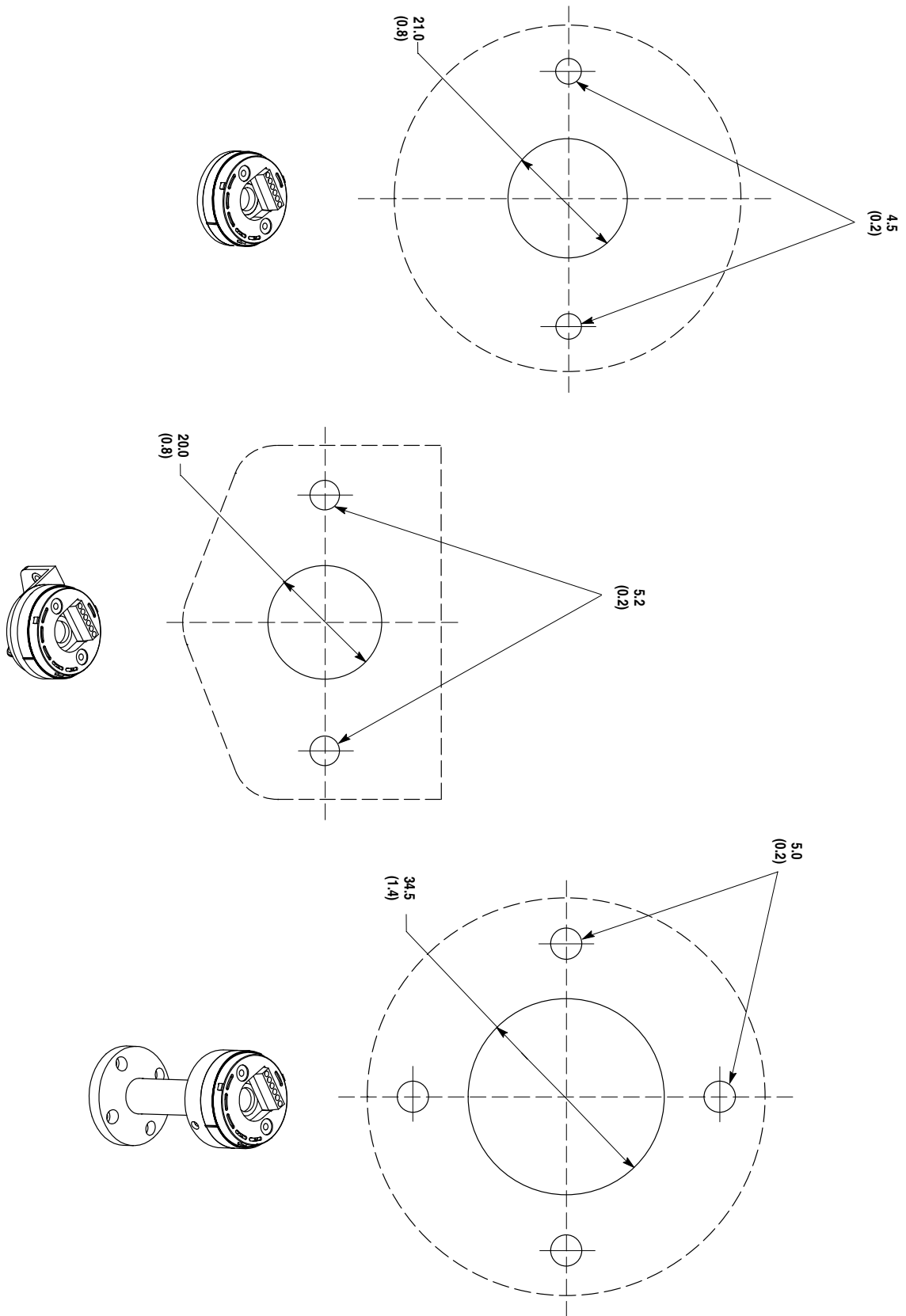


NEMA Type 1/IP53 (Sound Modules and Light Modules/with Sound) and NEMA Type 12/IP54 (Light Modules)

Approximate Dimensions – Cont'd

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

Drilling Templates



NOTES



**NOTES**

NOTES

Control Tower™ is a trademark of Rockwell International.



Rockwell Automation helps its customers receive a superior return on their investment by bringing together leading brands in industrial automation, creating a broad spectrum of easy-to-integrate products. These are supported by local technical resources available worldwide, a global network of system solutions providers, and the advanced technology resources of Rockwell.

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Rockwell Automation Headquarters, 1201 South Second Street, Milwaukee, WI 53204 USA, Tel: (1) 414 382-2000, Fax: (1) 414 382-4444

Rockwell Automation European Headquarters SA/NV, avenue Herrmann Debrouxlaan, 46, 1160 Brussels, Belgium, Tel: (32) 2 663 06 00, Fax: (32) 2 663 06 40

Rockwell Automation Asia Pacific Headquarters, 27/F Citicorp Centre, 18 Whitfield Road, Causeway Bay, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846