

Table 129 - Decibel Rating (Sound Modules)

Device	Decibel Rating ⁽¹⁾	Volume Control	No. of Tones
856T-BP1, Piezo, Top mount	105 dB(A), max	Adjustable -20 dB	8
856T-BTR3, Transducer	Rated: 105 dB(A) (107 dB(A), max @ 2700 Hz)	Adjustable -10 dB (also three adjustment pots for tone customization)	80 tones, seven stages configured via DIP switch and three inputs
856T-BPL1, Piezo, In-line	102 dB(A), max	Adjustable -20 dB	8

(1) All dB(A) ratings are determined at a distance of 1 m (3.3 ft) from sound module.

Table 130 - Light Output

Device	Light Output [mcd]
Steady	
856T-BT3 (Green)	7200
856T-BT4 (Red)	5200
856T-BT5 (Amber)	9500
856T-BT6 (Blue)	1300
856T-BT7 (White)	17,200
856T-BT8 (Yellow)	15,800
856T-BT9 (Magenta)	5600
Multifunction	
856T-BB3 (Green)	12,600
856T-BB4 (Red)	6900
856T-BB5 (Amber)	16,700
856T-BB6 (Blue)	2300
856T-BB7 (White)	30,300
856T-BB8 (Yellow)	27,800
856T-BB9 (Magenta)	9900
Rotating	
856T-BR3 (Green)	6300
856T-BR4 (Red)	5000
856T-BR5 (Amber)	8300
856T-BR6 (Blue)	1100
856T-BR7 (White)	15,000
856T-BR8 (Yellow)	13,800

Device	Light Output [mcd]
Multicolor	
856T-BMC	4800
Seven colors: - Green - Red - Yellow - Blue - White - Magenta - Turquoise (Selectable via three inputs)	
Beacon (Steady/Flashing)	
856T-BGB3 (Green)	8400
856T-BGB4 (Red)	7200
856T-BGB5 (Amber)	11,100
856T-BGB6 (Blue)	1500
856T-BGB7 (White)	20,000
856T-BGB8 (Yellow)	18,400
Steady or flashing function selectable via DIP switch or by using two inputs (Flashing frequency = 2 Hz)	
Beacon (Strobe)	
856T-BSB4 (Red)	10,600
856T-BSB5 (Amber)	21,300
856T-BSB6 (Blue)	2900
Single or double strobe function selectable via DIP switch (1.4 Hz)	
Beacon (Rotating)	
856T-BRB4 (Red)	7500
856T-BRB5 (Amber)	23,200
Two speeds: - Speed 1 = 90 RPM - Speed 2 = 180 RPM (Selectable via DIP switch)	
Beacon (Multicolor)	
856T-BMB	8100
Seven colors: - Green - Red - Yellow - Blue - White - Magenta - Turquoise (Selectable via three inputs)	

Table 131 - Operating Voltage ⁽¹⁾

Device	Operating Voltage	
	Nominal Voltage	Voltage Range
All modules	24V AC/DC, 50/60 Hz	21...30V DC/ 21.6...26.4V AC
856T-B24C		
856T-BAC3C, three-circuit SMPS	120/240V AC	90...250V AC, 50/60Hz
856T-BAC7C, seven-circuit SMPS	120/240V AC	90...250V AC, 50/60Hz

(1) Maximum input switching frequency for SMPS (that is, from a PLC) is 5 Hz.

Table 132 - Current Consumption and Life

Device	Nominal Current	Inrush Current	Life
Power Modules			
856T-B24C	—	—	—
856T-BAC3C, three-circuit SMPS	150 mA, max	6 A, max	30,000 hr
856T-BAC7C, seven-circuit SMPS	340 mA, max	3.5 A, max	30,000 hr
Sound Modules			
856T-BP1, Piezo, Top mount	120 mA	1.8 A DC 2.15 A AC	20,000 hr
856T-BTR3, Transducer	200 mA	1.06 A DC 1.24 A AC	20,000 hr
856T-BPL1, Piezo, In-line	120 mA	1.8 A DC 2.15 A AC	20,000 hr
Steady Light Modules			
856T-BT3, Green	58 mA	—	>60,000 hr
856T-BT4, Red		—	>40,000 hr
856T-BT5, Amber		—	>60,000 hr
856T-BT6, Blue		—	
856T-BT7, White		—	
856T-BT8, Yellow		—	
856T-BT9, Magenta		—	
Multifunction Light Modules			
856T-BB3, Green	100 mA	1.79 A DC 2.66 A AC	>60,000 hr
856T-BB4, Red		1.82 A DC 2.66 A AC	>40,000 hr
856T-BB5, Amber		1.79 A DC 2.66 A AC	>60,000 hr
856T-BB6, Blue			
856T-BB7, White			
856T-BB8, Yellow			
856T-BB9, Magenta			

Device	Nominal Current	Inrush Current	Life
Rotating Light Modules			
856T-BR3, Green	40 mA	1.79 A DC 2.64 A AC	>60,000 hr
856T-BR4, Red	45 mA	1.79 A DC 2.66 A AC	>40,000 hr
856T-BR5, Amber	40 mA	1.79 A DC 2.64 A AC	>60,000 hr
856T-BR6, Blue			
856T-BR7, White			
856T-BR8, Yellow			
Multicolor Light Modules			
856T-BMC	110 mA	1.30 A DC 1.94 A AC	30,000 hr
Beacon Light Modules (Steady/Flashing)			
856T-BGB3, Green	100 mA	0.74 A DC 1.24 A AC	>60,000 hr
856T-BGB4, Red	108 mA	0.70 A DC 1.16 A AC	>40,000 hr
856T-BGB5, Amber	100 mA	0.74 A DC 1.24 A AC	>60,000 hr
856T-BGB6, Blue			
856T-BGB7, White			
856T-BGB8, Yellow			
Beacon Light Modules (Strobe)			
856T-BSB4, Red	190 mA	0.76 A DC 1.11 A AC	>40,000 hr
856T-BSB5, Amber		0.77 A DC 1.11 A AC	>60,000 hr
856T-BSB6, Blue			
Beacon Light Modules (Rotating)			
856T-BRB4, Red	65 mA	0.74 A DC 1.09 A AC	>40,000 hr
856T-BRB5, Amber		0.75 A DC 1.11 A AC	>60,000 hr
Beacon Light Modules (Multicolor)			
856T-BMB	200 mA	1.65 A DC 2.46 A AC	30,000 hr

Table 133 - Standards and Certifications

Attribute	Bulletin 856T — 70 mm Control Tower Stack Lights
Standards Compliance	- UL 60947-5-1 - CSA C22.2 No. 14 - CE - EN 60947-5-1:2004 + A1:2009 - EN 61000-6-2:2005 - EN 61000-6-3:2007 + A1:2011 - EN 50581: 2012 2014/35/EU (Low Voltage Directive) 2014/30/EU (EMC Directive) 2011/65/EU (RoHS Directive)
Certifications	- c-UL-us Listed (File No. E14840, Guides NKCR, NKCR7) - CE Marked - KCC (Registration No. R-REM-RAA-856T) - China RoHS - WEEE - RCM (EN 61000-6-2:2005 and EN 61000-6-3:2007 + A1:2011)