

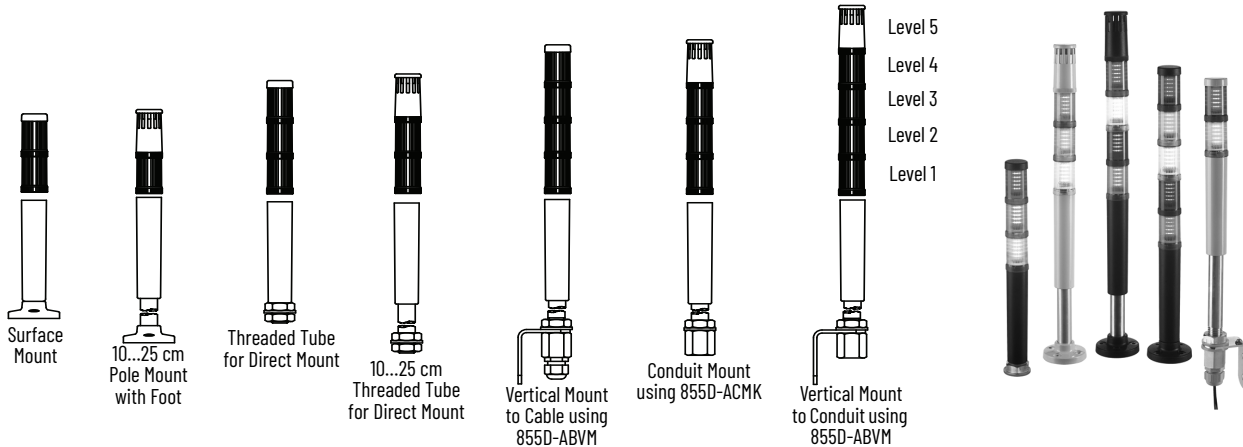
Bulletin 855D/855F Compact Control Tower Stack Lights

This product line includes 30 mm (855D) and 70 mm (855F) stack lights.

Bulletin 855D – 30 mm Compact Control Tower Stack Lights

These devices are available with UL Type 4/4X/13, IP65 ratings to meet the most challenging panel and on-machine applications.

Pre-assembled and Pre-wired Tower Lights, 1...5 Modules



855D	-	P00		SC20	B	24	Y	3	Y	4	Y	5	L	7	P	1
		a	b	c	d	e	f	g	f	g	f	g	f	g	f	g
							(Level 1, f+g)		(Level 2, f+g)		(Level 3, f+g)		(Level 4, f+g)		(Level 5, f+g)	

a	
Base Type	
Code	Description
P00	Surface mount
P10	10 cm aluminum pole mount with foot
P25	25 cm aluminum pole mount with foot
T00	0 cm M20 metric threaded tube for direct mount
T10	10 cm M20 metric threaded tube for direct mount
T25	25 cm M20 metric threaded tube for direct mount
Q10	10 cm quick release mount pole
Q25	25 cm quick release mount pole

b	
Network Option	
Code	Description
Blank	No network option

c	
Cable Connector and Length ⁽¹⁾	
Code	Description
SC20	Stranded cable, 2 m (6.6 ft), yellow jacket
Blank	No cable (only for Q10 or Q25 base types)

(1) The SC20 cable must be ordered for all bases, except the Q10 and Q25 bases.

d	
Housing Color	
Code	Description
B	Black
G	Gray

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

f	
Module Type ^{(1) (2)}	
Code	Description
Y	Steady LED
L	Flashing LED
C	Piezo sound alarm, continuous tone
P	Piezo sound alarm, pulsing tone
Q	Dual-circuit piezo sound alarm ⁽³⁾

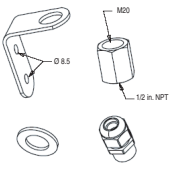

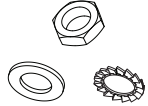





g	
Lens Color/Sound	
Code	Description
1	Sound module
3	Green
4	Red
5	Amber
6	Blue
7	Clear
8	Yellow

(1) Sound module types (C, P, Q) must be on the top-most level, they must be configured with Lens Color/Sound Code 1, and only one sound module is allowed per assembly.

(2) Light module types (Y, L) can only be configured with Lens Color/Sound Codes 3, 4, 5, 6, 7, or 8.

(3) If the dual-circuit sound module (Q) is selected, the maximum number of light modules that are allowed is three (two circuits are required for the dual-circuit sound module).

Accessories

	Description	Cat. No.				
	<p>Vertical Mount Kit Includes the following:</p> <ul style="list-style-type: none"> • L-bracket • Thread adapter • Black cable gland (1/2 in. NPT) • Plastic washer 	855D-ABVM				
	<p>Conduit Mount Kit M20 to 1/2 in. NPT thread adapter</p>	855D-ACMK				
	<p>Direct Mount Kit Includes the following:</p> <ul style="list-style-type: none"> • M20 nut • Plastic washer • Metal lock washer 	855D-ARDM				
Base Foot Gasket (Bag of 5)						
	<p>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)</p>	855T-AMSG				
	<p>Field-installable 4-pin DC Micro style terminal chamber. For additional chamber style terminals, see https://ab.rockwellautomation.com/Connection-Devices/Cables-and-Cordsets.</p>	871A-TS4-DM				
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th data-bbox="116 997 794 1033"></th> <th data-bbox="794 997 1203 1033">Description</th> <th data-bbox="1203 997 1503 1033">Color</th> <th data-bbox="1503 997 1503 1033">Cat. No.</th> </tr> </thead> </table>				Description	Color	Cat. No.
	Description	Color	Cat. No.			
	<p>Locking ring for Bulletin 854J, 855D, and 855E quick release bases</p>	Black	855D-ABQLR			
	<p>Locking ring for quick release base</p>	Gray	855D-AGQLR			
	<p>Internal gasket for quick release base (order quantity of 1 and receive bag of five gaskets)</p>		855D-AQG			
	<p>Quick-release mounting base with gasket</p>		855D-AQMB			

Specifications

Table 49 - Mechanical

Standard Bases		Based on the weight and style of mounting; tower lights are subject to damage from shock and vibration. The following are reference guidelines for maximum acceptable conditions.	
		Shock [G]	Vibration [G]
Surface-mount base or 10cm or 25 cm aluminum pole base	1 module stack	150	2.5
	3 module stack	45	2.5
	5 module stack	35	2.0

Table 50 - Environmental

Attribute		Value
Ingress ratings	Light modules	IP65/UL Type 4/4X/13
	Sound modules	IP65/UL Type 4/4X/13
	Surface, pole, vertical, tube mount bases	IP65/UL Type 4/4X/13
Temperature ranges	Operating	-25...+50 °C (-13...+122 °F)
	Storage	-25...+85 °C (-13...+185 °F)

Table 51 - Materials

Part	Material
Bases, caps, lens covers, sound module housings	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)	PVC
Mounting screw washers	Polyamide

Table 52 - Estimated Light Output⁽¹⁾

Attribute	Estimated Light Output [mcd]
Steady, flashing, red	1000
Steady, flashing, amber	800
Steady, flashing, green	1500
Steady, flashing, yellow	700
Steady, flashing, blue	250
Steady, flashing, white	1000

(1) Light output values are calculated from the LED Data Sheet and show typical values of luminous density. These values are not exact because the knurling in the lens affects the light distribution and because the viewing angle of the LED that directly relates to the Cd output value, is not identical for all LEDs.

Table 53 - Operating Voltage

Device	Operating Voltage		
	24V AC/DC	120V AC	240V AC
Light modules and sound modules	24V AC/DC (±10%)	110V AC, 50 Hz (±10%) 120V AC, 60 Hz (±10%)	230V AC, 50 (±10%) 240V AC, 60 (±10%)

Table 54 - Lamp Life Ratings (Design Life) Average Life Under Static, No Vibration, Conditions

Device	Lamp Life Rating		
	24V AC/DC	120V AC	240V AC
LED modules		100,000 hr	
Sound modules		20,000 hr	

Table 55 - Current Consumption

Device		Current Consumption [mA]		
		24V AC/DC	120V AC	240V AC
Light modules	Steady or flashing LED	20	22	21
Piezo-style sound modules	Single- and dual-circuit	40	22	21

Table 56 - Flashing Frequency (Light Only Modules)

Device	Flashing Frequency
Flashing LED modules	Approximately 2 Hz

Table 57 - Decibel Rating (Sound Modules) ⁽¹⁾

Device	Decibel Rating
Piezo sound module	85 dB(A) (+2 dB/-5 dB)

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

Table 58 - Leakage Current Impact

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

Table 59 - Standards and Certifications

Attribute	Bulletin 855D — 30 mm Compact Control Tower Stack Lights
Standards compliance	<ul style="list-style-type: none"> • UL 508 • CSA C22.2 No. 14 • EN/IEC 60947-1 • EN/IEC 60947-5-1
Certifications	• c-UL-us Listed (File No. E14840, Guides NKCR, NKCR7)

Approximate Dimensions

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

