

Specifications

IMPORTANT Based on the weight and style and mounting, tower lights are subject to damage from shock vibration. The following specifications are reference guidelines for maximum acceptable conditions.

Table 73 - Mechanical

Standard Bases		Shock	Vibration
Surface-mount base or 10 cm aluminum pole base	1 module stack	150 G	5 G
	3 module stack	45 G	1.5 G
	5 module stack	35 G	0.75 G
Vertical base or 25 cm aluminum pole base	1 module stack	95 G	3.5 G
	3 module stack	30 G	1.25 G
	5 module stack	20 G	0.5 G
Recommended wire size		0.5...1.5 mm ² (22...16 AWG)	
Recommended terminal torque		0.87 N•m (7 lb•in)	

Table 74 - Environment

Attribute	Value
Ingress ratings	Light modules with cap
	Sound modules
	Surface, vertical, tube mount bases
	Pole-mount bases
	Flange-style base with M12 micro connector ⁽¹⁾
UL Type 4/4X/13, IP66	
Temperature ranges	Operating
	Storage
-25...50 °C (-13...122 °F)	
-40...85 °C (-40...185 °F)	

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

Table 75 - 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 76 - 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		

Table 77 - Operating Voltage

Device	Operating Voltage			
	12V AC/DC	24V AC/DC	120V AC	240V AC
Light modules and sound modules	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%)