



SQ-80-LED Series

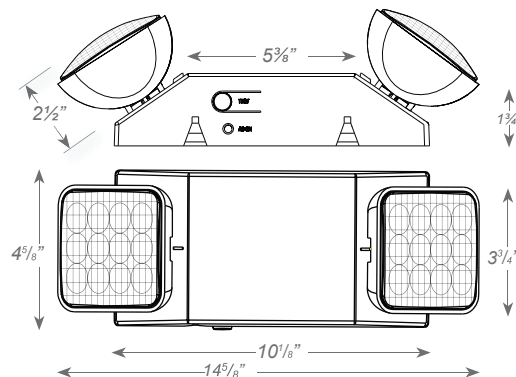
ALL LED THERMOPLASTIC EMERGENCY LIGHT



PROJECT: _____
FIXTURE TYPE: _____
LOCATION: _____
CONTACT/PHONE: _____



DIMENSIONS



MOUNTING

- Surface mount via easy connect back plate, which fits most standard junction boxes and snaps into place making internal electrical connections.
- Suitable for wall or ceiling mount.
- Knockout for conduit applications.

OPTIONS

- SD: Self-diagnostic feature performs monthly, biannual, and annual tests to ensure reliable operation and meet electrical and life safety codes.
- HL: 12-LEDs per head provide increased center-to-center spacing.
- SPV: UL Listed for special voltage option.
- CSA: Tested to meet requirements of CSA C22.2 No. 141.10 standard for emergency lighting equipment.
- CEC: Certified to CEC under Title 20
- USA: Substantial transformation assembly in U.S. complies with "Assembled in USA" under the Buy American Act.

WARRANTY/LISTINGS

- Five year warranty on all electronics and housing. Batteries pro rated for five years.
- UL (standard)/CSA (optional) listed for damp locations (0°C – 50°C).
- Meets UL924, NFPA 101 Life Safety Code, NEC, OSHA, Local and State Codes.

ILLUMINATION

- Long lasting, efficient, ultra bright white LED lamp heads.
- 1W (8 LEDs x 0.125 watt) per head.
- High performance chrome-plated metallized reflector and plastic lens for optimal light distribution.
- Adjustable LED lamp heads provide optimal center-to-center spacing. High-lumen option available for increased center-to-center spacing.

ELECTRICAL

- Dual 120/277 voltage standard. Optional 120/347V (for Canada) and multi-tap 208/220/240 voltage available.
- Charge rate/power "ON" LED indicator light and push-to-test switch for mandated code compliance testing.
- 3.6V long life, maintenance-free, rechargeable NiCd battery.
- Internal solid-state transfer switch automatically connects the internal battery to LED lamp heads for minimum 90-minute emergency illumination.
- Fully automatic solid-state, two rate charger initiates battery charging to recharge a discharged battery in 24 hours.

ORDERING INFORMATION

Model	Housing Color	Options	Accessories
SQ-80-LED	W = White	SD = Self Diagnostic	BGR-1 = Vandal Resistant Shield
	B = Black	REM ¹ = Remote Capable	WG-1 = Wire Guard (Brushed Silver Finish)
		HL ² = High Lumen Heads (1.5W)	WG-STI-9703 = Wire Guard (White Powdercoat Finish)
		SV ³ = 208/220/240 Volt, 50/60Hz	
		CSA = 120/347V, 60Hz	
		CEC ⁴ = Title 20 Compliant	
Notes:		USA = Assembled in USA	

¹ Additional capacity to run up to (2) ASRLED-1 remote heads (It can run two ASRLED-1 or ONE ASRLED-2).

² 12-LED (1.5W) per head provides increased center-to-center spacing

³ Not available on units with SD option

⁴ Not available with SPV or CSA options.

Ordering Example SQ-80-LED-W-SD





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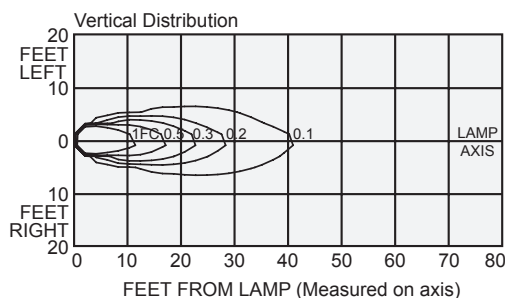
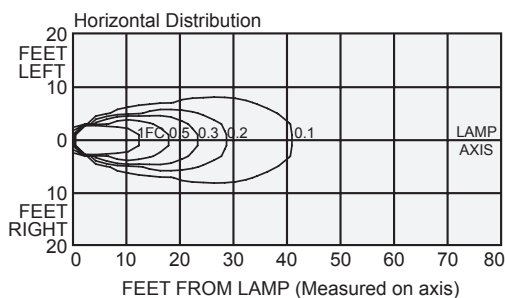
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ELECTRICAL DATA

CATALOG NUMBER	INPUT WATTS (W)						INPUT AMPS (A)					
	120V	277V	347V	208V	220V	240V	120V	277V	347V	208V	220V	240V
SQ-80-LED	1.8	1.8	-	2.6	3.5	3.1	0.022	0.010	-	0.024	0.029	0.025
SQ-80-LED-SD	1.6	1.6	-	-	-	-	0.020	0.010	-	-	-	-
SQ-80-LED-CSA	2.0	-	2.0	-	-	-	0.023	-	0.008	-	-	-

PHOTOMETRICS

Luminaire SQ-80-LED (Single Head LED EM)



BATTERY DATA

- NiCad battery warranted for five full years with an additional 5 years prorated warranty

Type	Battery Voltage	Shelf Life ²	Expected Life ¹	Temperature Range ²
NiCad (std.)	3.6V, 900mA	3 years	8-10 years	32°F-100°F
NiCad (REM)	3.6V, 1800mA	3 years	8-10 years	32°F-100°F

¹ At 77°F

² To obtain rated life and capacity.

LED REMOTE HEADS (ORDER SEPARATELY)

- Each lamp contains 12 long-life, efficient ultra-bright white LED's
- Available in Single or Double head configurations
- Indoor or Outdoor ratings available

MODEL	DESCRIPTION
ASRLED-1	Single LED Remote Indoor
ASRLED-2	Double LED Remote Indoor
ASRLED-1-SD	Single LED Remote Indoor (Units w/ SD Option)
ASRLED-2-SD	Double LED Remote Indoor (Units w/ SD Option)
ASRLED-1-WP	Single LED Remote Outdoor
ASRLED-2-WP	Double LED Remote Outdoor
ASRLED-1-WP-SD	Single LED Remote Outdoor (Units w/ SD Option)
ASRLED-2-WP-SD	Double LED Remote Outdoor (Units w/ SD Option)

OUTDOOR REMOTE HEADS



INDOOR REMOTE HEADS





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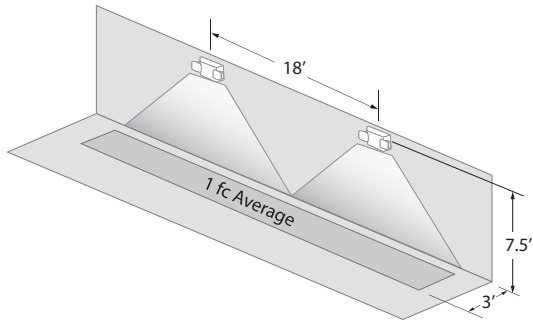


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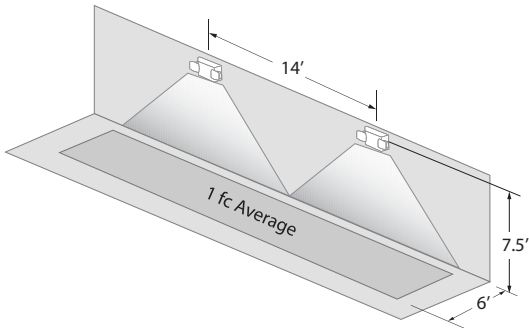
SPACING DIAGRAMS

SQ-80-LED

3ft Path Spacing

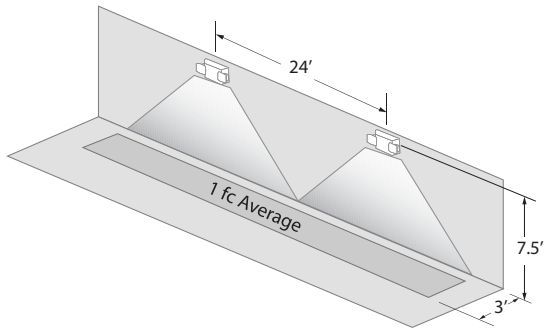


6ft Path Spacing

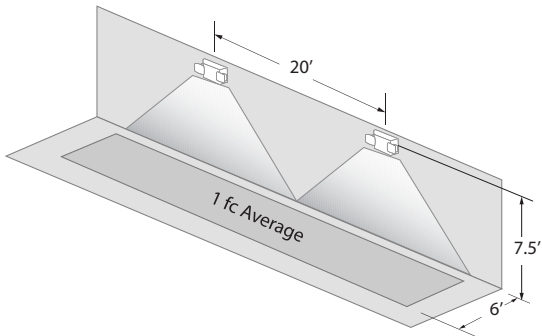


SQ-80-LED-HL

3ft Path Spacing



6ft Path Spacing



CENTER-TO-CENTER SPACING GUIDELINES

For reference only.



1	0.2	0.3	0.5	0.4	0.4	0.5	0.6	0.8	1.0	0.8	0.9	0.8	0.4	0.2	0.2
2	0.3	0.5	0.7	0.8	0.9	0.8	0.9	1.0	1.1	1.4	1.1	0.8	0.5	0.3	0.2
3	0.4	0.7	1.0	1.0	1.1	1.1	1.1	1.3	1.4	1.1	0.9	0.9	0.7	0.5	0.2
4	0.5	0.7	0.9	1.1	1.2	1.2	1.0	1.1	1.1	1.0	1.1	0.8	0.6	0.3	0.2
5	0.5	0.7	0.8	0.8	1.0	1.1	0.8	0.8	1.0	0.9	0.6	0.5	0.4	0.3	0.2
6	0.4	0.5	0.7	0.7	0.8	0.8	0.6	0.5	0.6	0.5	0.4	0.4	0.3	0.2	0.2
	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7

Meets NFPA 101 Requirements for: 10' center-to-center spacing - 3' path of egress 1' from wall - 7 1/2' mounting height.