SQ-80-LED Series

ALL LED THERMOPLASTIC EMERGENCY LIGHT

PRODUCT DESCRIPTION

The SQ-80-LED Series thermoplastic LED Emergency Lights offer contemporary aesthetics, quick installation and premium options such as LED lamps, High Output and Self-Diagnostic versions in an economical package.

PRODUCT SPECIFICATIONS

CONSTRUCTION

Injection molded, engineering-grade, UV-stable thermoplastic • UL94V-0 flame rating • Impact, scratch, fade and corrosion-resistant • Snap-fit housing and mounting plate • Universal mounting plate with quick-connect feature reduces installation labor • White or black textured finish.

ELECTRICAL

Dual 120/277 voltage standard. Optional multi-tap 208/220/240 voltage available • Rated for use in damp locations • Solid state charging and switching • Brownout protection • Battery low voltage disconnect • Overload and short circuit protection • AC power indicator and test switch.

LAMPS

Long life, energy saving LED lamps • 1W (8 LEDs x 0.125 watt) per head

HEADS

Includes two 1W white LED lighting heads • Contemporary square head design • 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
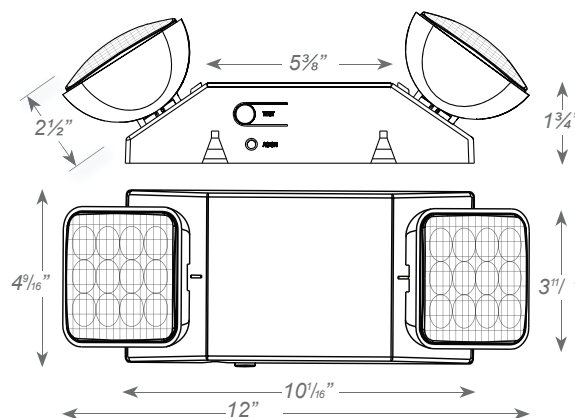
BATTERY

Maintenance-free 3.6V sealed NiCad battery • Standard battery will operate fixture for a minimum of 90 minutes in the event of a power outage • High Output (REM Option) version will operate the fixture plus 2 remote heads for a minimum of 90 minutes.

CODE COMPLIANCE

UL924 • UL Listed for damp locations (0°C – 50°C) • NFPA 101 Life Safety Code compliant • NEC and OSHA compliant • Meets the State of Minnesota energy efficiency requirements • CEC Title 20 Compliant

WARRANTY

5-year warranty. Product specifications subject to change without notice.

INSTALLATION

MOUNTING

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

ENGINEERING DATA

Input Voltage	Max. Amps	Max. Watts
120	0.04	2.0
277	0.02	2.0

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	

Notes

[1] Additional capacity to run up to (2) RLED remote heads (see below)

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

[3] Not available on units with SD option

Ordering Example SQ-80-LED-W-SD
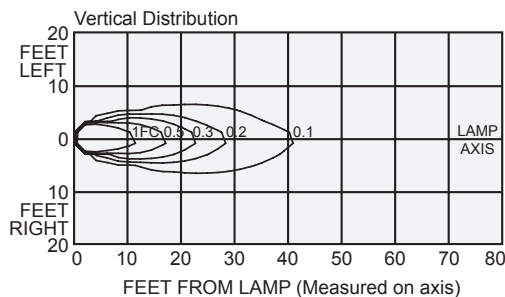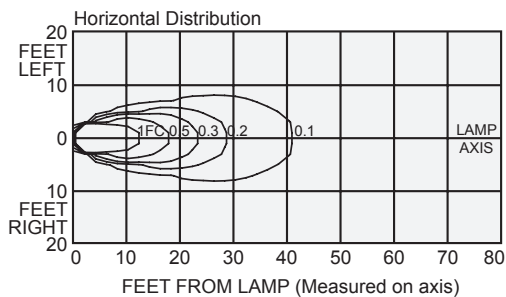
SQ-80-LED Series

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PHOTOMETRICS

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

Horizontal Distribution

20
FEET
LEFT
10

0

1FC 0.5 0.3 0.2   0.1   LAMP
AXIS

10
FEET
RIGHT
20

0   10   20   30   40   50   60   70   80

FEET FROM LAMP (Measured on axis)

Vertical Distribution

20
FEET
LEFT
10

0

1FC 0.5 0.3 0.2   0.1   LAMP
AXIS

10
FEET
RIGHT
20

0   10   20   30   40   50   60   70   80

FEET FROM LAMP (Measured on axis)

BATTERY DATA

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

Type	Battery Voltage	Shelf Life[1]	Expected Life[1]	Temperature Range[2]
NiCad (std.)	3.6V, 900mA	3 years	8-10 years	32˚F-100˚F
N iCad (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 SEPERATELY)

• 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
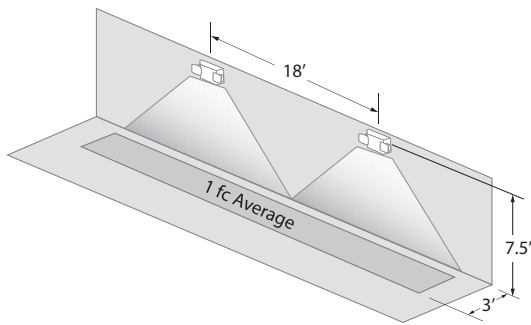
SQ-80-LED Series

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PROJECT:
FIXTURE TYPE:
LOCATION:
CONTACT/PHONE:

EZ SPEC

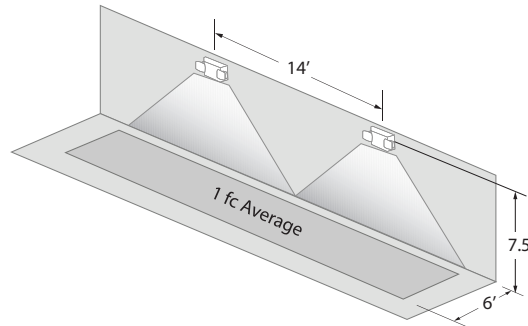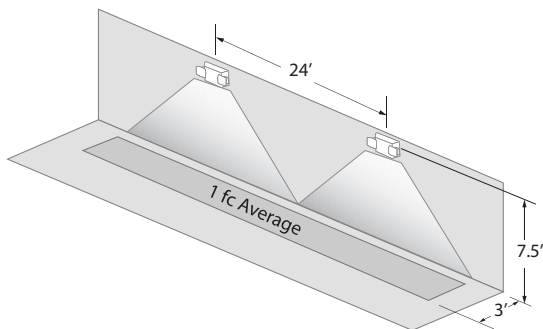## SPACING DIAGRAMS

SQ-80-LED

3ft Path Spacing

18'

1 fc Average

7.5'

3'

6ft Path Spacing

14'

1 fc Average

7.5'

6'

SQ-80-LED-HL

3ft Path Spacing

24'

1 fc Average

7.5'

3'

6ft Path Spacing

20'

1 fc Average

7.5'

6'