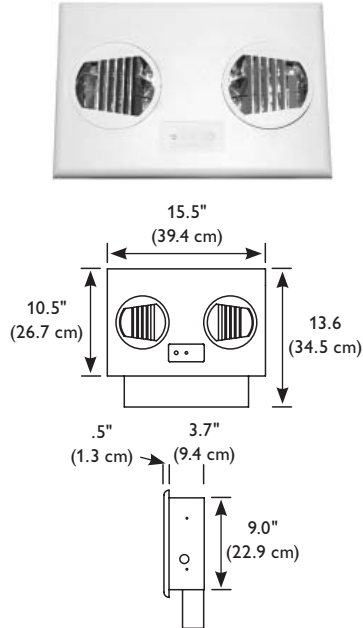


Solution Series

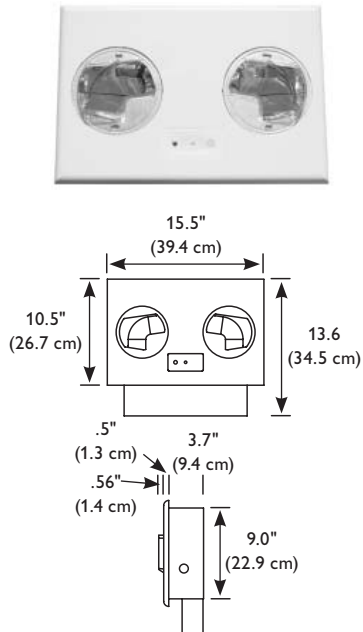
Fully Recessed Architectural Emergency Lighting

Page 1 of 2

SOLWCLSD2



SOLWWLSD2



Features

Illumination: Illumination is provided by two high-performance 35 W MR16 lamps combined with a reflector system. Optical assemblies can be rotated from 0° to 90° for corner installations. IES photometric data files are available upon the website.

Installation: Mechanical or sheetrock ceiling installation is enabled using optional bar hangers or structural support wire (supplied by others).

Housing: Backbox constructed of 20 gauge galvanized steel. Flush cover and diffusers constructed of impact-resistant polycarbonate. Optional white or black housing is available. Suitable for wall or ceiling mounting. Wall mounted units can be fastened to wood or metal studs from either the left or right side. Mechanical ceiling mounting is accomplished with grid ceiling bar hangers (ordered separately).

Operating Temperature Range:
65°F (19°C) to 85°F (30°C).

Diagnostic Electronics

(standard): 120/277 VAC dual voltage input with surge protection is standard on all models. Charging system is microprocessor driven with software embedded diagnostic routine and precision temperature compensation. Surge protection, brownout, AC lockout, and low voltage disconnect features are standard.

Self-Testing Diagnostics

(optional): The diagnostic/charging platform with optional self-testing mode automatically runs a one-minute self-test every 30 days and a 30-minute test on the sixth and twelfth month. A one-minute or 90-minute test may be initiated via the push to test switch on the unit or by activating the appropriate test command on the optional IR test device.

Electrical Specifications:

0.27 A (120 VAC)
0.13 A (277 VAC)

Battery: Maintenance-free, sealed lead calcium batteries supply 90 minutes of emergency power. Estimated service life of 5 to 7 years.

Code Compliance

UL 924 listed for insulated ceiling systems (IC rated). NFPA 101, NEC, BOCA, OSHA and IBC illumination standards. Meets ADA specifications for wall mounted lighting fixtures.

Warranty

Three year full electronics warranty. One year full plus four year prorated lead calcium battery warranty.

Job Information Type:

Job Name:

Cat. No.:

Notes:

PHILIPS
LIGHTOLIER

Solution Series

Fully Recessed Architectural Emergency Lighting

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Ordering Information

SOL			SD2	
Series	Housing Color	Mounting	Model Designator	Factory Installed Options
SOL = Solution	W = White B = Black	WL = Wall Mount CL = Ceiling Mount	SD2 = Diagnostic Electronics	EX = Special Transformer (must specify voltage & frequency) ¹ T = Self-Testing Diagnostics (non-audible) TA = Audible Self-Testing Diagnostics TD = Time Delay ² TP = Tamperproof

Accessories (order as a separate item)

SDREMOTE = Infrared Remote Test Device
IBHK = Bar Hanger Kit for Mechanical Ceilings
T15TPTOOL = Tamperproof Screwdriver
WMLK = Wall Mount Lens Kit
CMLKIT = Ceiling Mount Lens Kit
CMLKITB = Ceiling Mount Lens Kit for Black Unit
RPLTSW = Remote Test Switch Kit for Single Gang Wall Box 120 VAC

Note

- 1) Some options impact UL listing. Consult factory for specifics.
- 2) 15 minute time delay.



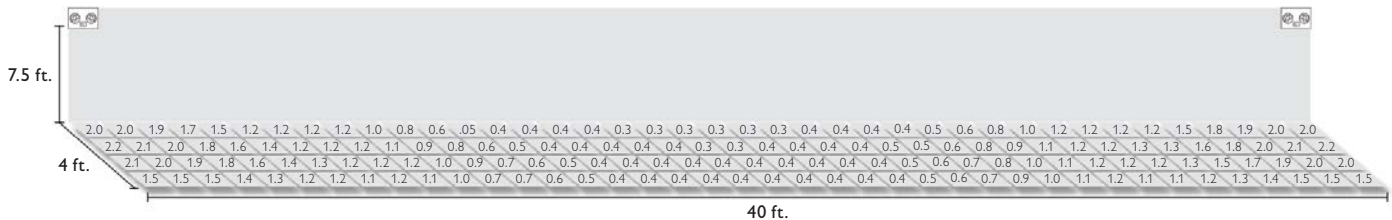
Ceiling version
before installation.



Wall version
before installation.

Optics

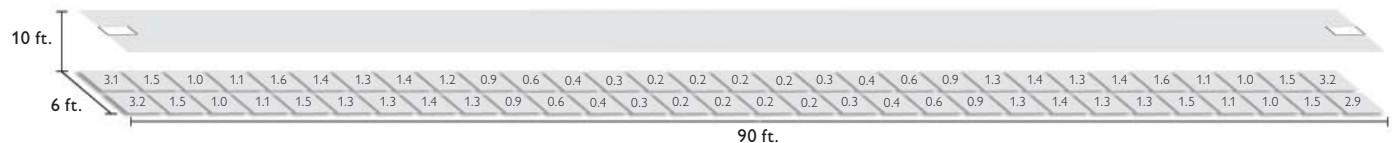
Recessed Wall Mount Version, 7.5' AFF, Two Fixtures



Average initial footcandles at floor = 1.00
 Maximum initial footcandles at floor = 2.2

Minimum initial footcandles at floor = .3
 Maximum to minimum ratio = 7.33

Recessed Ceiling Mount Version, 10' AFF, Two Fixtures



Average initial footcandles at floor = 1.07
 Maximum initial footcandles at floor = 4.8

Minimum initial footcandles at floor = .2
 Maximum to minimum ratio = 24.00

When using multiple fixtures, wall mounted versions can generate an average of 1 footcandle of emergency illumination over a 4' x 40' egress path, while ceiling mounted versions can broadcast an average of 1 footcandle over a 6' x 90' egress path.

* The optics layout shown is intended to be used as reference only. Standard reflectances used were 80/50/20. Lightolier is not responsible for site specific conditions that may alter the results.



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Solution Series May 1, 2012

Specifications are subject to change without notice.
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Job Information Type: