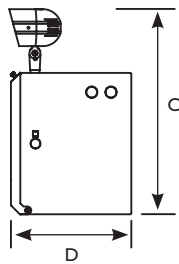
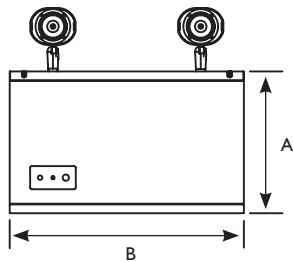


ES3 Series

24 V Commercial/Light Industrial Lighting

Page 1 of 2

ES3100L2M450SD2



100 W Units	300 & 450 W Units
A = 9.1"	A = 11.0"
B = 13.4"	B = 18.2"
C = 14.0"	C = 16.0"
D = 7.4"	D = 9.4"

Features

Illumination: Illumination is accomplished with up to three MR16 or PAR 36 lamp heads mounted on the top of the enclosure. Lamps can also be mounted on the side or bottom. Accommodations for remote lamps are standard.

Housing: Enclosure is constructed of 18 gauge steel with a 20 gauge cover with a white corrosion-resistant, epoxy powder coat finish. Nine standard and custom colors available, consult factory. Easily mounted with key hole slots or optional mounting plates. 1/4" toggle bolts are recommended for installation. All housings have six available 1/2" conduit knockouts.

Operating Temperature

Range: Standard Location
65°F (18°C) to 85°F (29°C)
Damp Location 32°F (0°C) to
104°F (40°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 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:

120 VAC = 0.741A
277 VAC = 0.312A

Code Compliance

UL 924 and optional UL damp location listed. NFPA 101, NEC, BOCA, OSHA and IBC illumination standards. New York City Approved. City Of Chicago approved.

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

ES3 Series

24 V Commercial/Light Industrial Lighting

Ordering Information

ES3				SD2	
Series	Battery/Wattage	# of Heads	Lamp Heads	Model Designator	Factory Installed Options
ES3 = 24 V Steel Emergency Unit	24 V Lead Calcium 100L = 100 Watt Unit 300L = 300 Watt Unit 450L = 450 Watt Unit	Blank = No Lamp Heads 1 = One Lamp Head 2 = Two Lamp Heads 3 = Three Lamp Heads	MR16 Metal Lamp Heads 24 VDC Halogen M450 = 50 Watt, 40° Metal Chrome Lamp Heads 24 VDC PAR 36 HP = 50 Watt	SD2 = Diagnostic Electronics	A = Ammeter BD = Battery Disconnect Switch BM = Lamp Heads Installed on Bottom of Enclosure DL = UL Damp Location Listed (0°C to 40°C) EX = Special Input Transformer (specify voltage & frequency) ¹ F1 = 120 VAC Input Fuse F2 = 277 VAC Input Fuse P1 = 120 VAC Power Switch P2 = 277 VAC Power Switch SM = Lamp Heads Installed on Side of Enclosure ² SP = Special Paint, Specify Color T = Self-Testing Diagnostics TA = Audible Self-Testing Diagnostics TD = Time Delay, 15 Minutes V = Voltmeter

Accessories (order as a separate item)

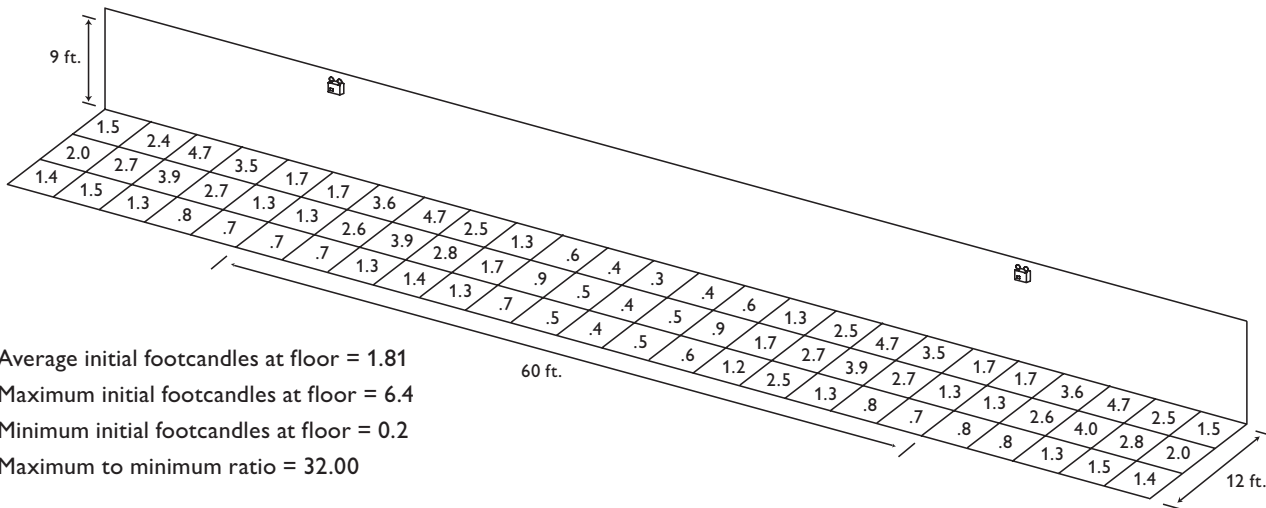
- SDREMOTE** = Infrared Remote Test Device
- SMMP** = Mounting Plate (100W)
- SLMP** = Mounting Plate (300W & 450W)
- SKIT** = Strapping Kit For Use With Mounting Plates To Affix To Columns, Poles and I-beams
- WG5** = Wire Guard (100W)
- WG** = Wire Guard (300W & 450W)

- Note
- 1) Some option combinations may impact UL listing. Consult factory for specifics.
 - 2) Side mounted lamp heads (SM) are not installed onto the enclosure at the factory.

Optics

Wall mounted 9' AFF, 24 V 50 W MR16 Lamps

1 FC Average



* 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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 ES3 Series May 16, 2012

Job Information Type:

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