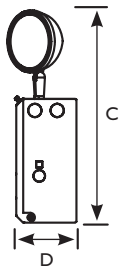
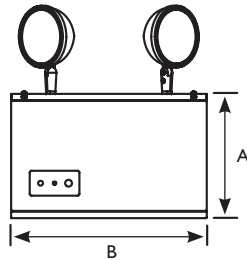


ES1 Series

6 V Commercial/Light Industrial Lighting

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ES150L2CT18SD2



25-50 W Units	75-100 W Units
A = 8.1"	A = 9.1"
B = 12.7"	B = 13.4"
C = 14.9"	C = 15.9"
D = 3.9"	D = 7.4"

Features

Illumination: Illumination is accomplished with two PAR 36 lamp heads mounted on the top or side of the enclosure. 75-100 W units can accommodate up to three lamp heads mounted directly to the top, side or bottom of the housing.

Housing: Enclosure is constructed of 20 gauge steel (25-50 W) or 18 gauge steel (75-100 W) with a 20 gauge cover and 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. 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:

6 V 25-100 W Lead Calcium:
0.125 A (120 VAC)
0.060 A (277 VAC)
6 V 25-50 W NiCad:
0.159 A (120 VAC)
0.065 A (277 VAC)
6 V 75 W NiCad:
0.223 A (120 VAC)
0.094 A (277 VAC)

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 (CH12 heads only).

Warranty

Three year full electronics warranty. One year full plus four year prorated lead calcium battery warranty. Five year full plus five year prorated nickel cadmium battery warranty.

Job Information Type:

Job Name:

Cat. No.:

Notes:

PHILIPS
LIGHTOLIER

ES1 Series

6 V Commercial/Light Industrial Lighting

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Ordering Information

ES1				SD2	
Series	Battery/Wattage	# of Heads	Lamp Heads	Model Designator	Factory Installed Options ¹
ES1 = 6 V Steel Emergency Unit	6 V Lead Calcium 25L = 25 Watt Unit 36L = 36 Watt Unit 50L = 50 Watt Unit 75L = 75 Watt Unit 100L = 100 Watt Unit 6 V Nickel Calcium 25N = 25 Watt Unit 50N = 50 Watt Unit 75N = 75 Watt Unit	Blank = No Lamp Heads 1 = One Lamp Head 2 = Two Lamp Heads 3 = Three Lamp Heads ⁴	Metal Chrome PAR 36 6 VDC Tungsten CT8 = 8 Watts CT18 = 18 Watts CT25 = 25 Watts CT30 = 30 Watts 6 VDC Halogen CH6 = 6 Watts CH8 = 8 Watts CH12 = 12 Watts	SD2 = Diagnostic Electronics	A = Ammeter BD = Battery Disconnect Switch BM = Lamp Heads Installed on Bottom of Enclosure ² DL = UL Damp Location Listed (0°C to 40°C) ⁵ 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 ³ 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

SSMP = Mounting Plate (25-50 W)

SMMP = Mounting Plate (75-100 W)

SKIT = Strapping Kit For Use With Mounting Plates To Affix To Columns, Poles and I-beams

WG5 = Wire Guard (25-100 W)

(Optional lamp heads available, consult factory or refer to lamp heads page.)

Note

1) Some option combinations may impact UL listing. Consult factory for specifics.

2) Bottom mounted lamp heads (BM) available on 75-100 W units only.

3) Side mounted lamp heads (SM) are not installed onto the enclosure at the factory.

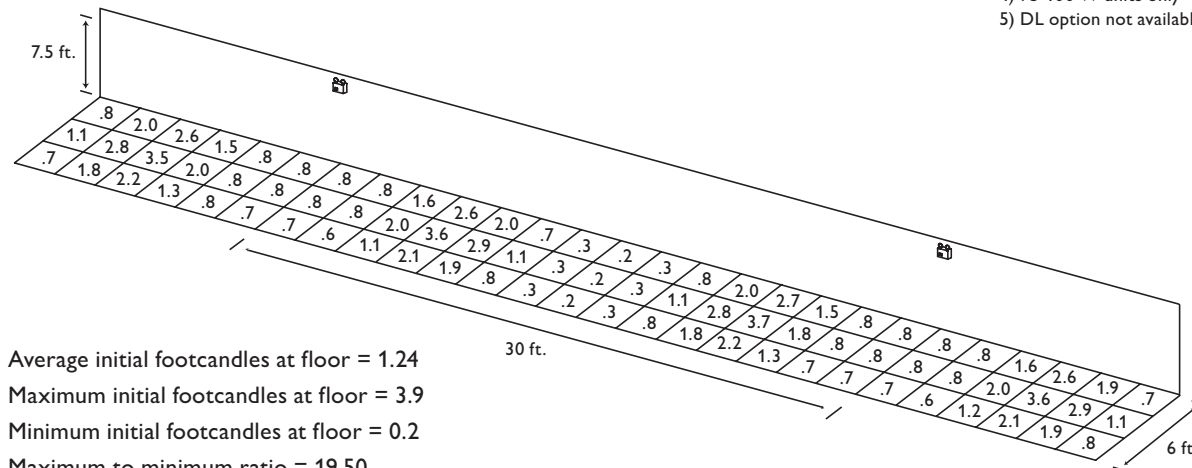
4) 75-100 W units only

5) DL option not available on 36L model.

Optics

Wall mounted 7.5' AFF, 6 V 12 W PAR 36 Halogen Lamps

1 FC Average



Average initial footcandles at floor = 1.24

Maximum initial footcandles at floor = 3.9

Minimum initial footcandles at floor = 0.2

Maximum to minimum ratio = 19.50

* 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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ES1 Series May 16, 2012

Specifications are subject to change without notice.

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Job Information Type: