

ES series steel unit

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The ES series traditional styling, wide selection of battery wattages and lamp head wattages makes this versatile luminaire ideal for commercial and light industrial environments. ES series meets City of Chicago and City of New York code requirements.



Features

Illumination: Illumination is accomplished with fully adjustable metal lamps utilizing MR16, sealed beam PAR36 tungsten or halogen lamps.

Housing: Cabinet is constructed of heavy duty steel and finished standard with white powder coat paint finish. Nine optional powder coat paint finishes are available. A wide range of battery wattages and lamp head wattages are available.

Self-Diagnostic: Standard on self-powered models, self-diagnostics provides continuous, real-time monitoring of line voltage status, charger fault, transfer fault battery fault and LED load fault.

Self-Testing (optional): Optional self-testing feature automatically runs a one minute test every 30 days and a 30 minute test every 180 days satisfying periodic testing requirements as defined in NFPA 101, Life Safety Code as well as the International Building Code (IBC). A 90 minute test may be initiated by test switch or by optional infrared remote (#SDREMOTE).

Electronics: 120/277

VAC dual voltage input. Emergency model charging system is complete with surge protection, low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery: Maintenance free, sealed lead calcium battery has an estimated service life of 5 years or choice of maintenance free, sealed nickel cadmium battery with an estimated service life of 10 years. Batteries have an operating temperature between 65°F (18°C) and 85°F (29°C). Provides 90 minutes of emergency operation.

Code Compliance

UL 924; UL Damp Location (32°F (0°C) and 104°F (40°C), NFPA 101, NEC, IBC, BOCA and OSHA. New York City Approved; City of Chicago Approved (units with 12 watt and higher heads).

Warranty

Electronics: 3 years; Battery (lead): 1 years full, 4 years pro-rata; Battery (ni-cad): 5 years full, 5 years pro-rata.

Job Information Type:

Job Name:

Cat. No.:

Notes:

PHILIPS

LIGHTOLIER

ES series steel unit

How to Specify

ES						SD2	
Series/ Battery	Voltage	Battery/Wattage	Number of Heads	Lamp Heads		Standard Feature	Factory Installed Options
ES = Steel EM Unit	1 = 6v 2 = 12v 3 = 24v	6v Lead Calcium 25L = 25 Watts 36L = 36 Watts 50L = 50 Watts 75L = 75 Watts 100L = 100 Watts 6v Nickel Cadmium 25N = 25 Watts 50N = 50 Watts 75N = 75 Watts 12v Lead Calcium 25L = 25 Watts 50L = 50 Watts 75L = 75 Watts 100L = 100 Watts 125L = 125 Watts 150L = 150 Watts 200L = 200 Watts 250L = 250 Watts 300L = 300 Watts 450L = 450 Watts 12v Nickel Cadmium 25N = 25 Watts 50N = 50 Watts 75N = 75 Watts 100N = 100 Watts 125N = 125 Watts 150N = 150 Watts 24v Lead Calcium 100L = 100 Watts 300L = 300 Watts 450L = 450 Watts	Blank = No Lamp Heads 1 = One Lamp Head 2 = Two Lamp Heads 3 = Three Lamp Heads (2)	6VDC Tungsten CT8 = 8-Watt CT18 = 18-Watt CT25 = 25-Watt CT30 = 30-Watt 6VDC Halogen CH6 = 6-Watt CH8 = 8-Watt CH12 = 12-Watt	12VDC Tungsten CT12 = 12-Watt CT18 = 18-Watt CT25 = 25-Watt CT30 = 30-Watt 12VDC Halogen CH12 = 12-Watt CH30 = 30-Watt CH50 = 50-Watt MR16 Lamps 12VDC Halogen M20 = 20-watt, 40° M35 = 35-watt, 25° M35F = 35-watt, 40° Flood M50 = 50-watt, 25° M50F = 50-watt, 40° Flood 24VDC Halogen M450 = 50-watt, 40° MR16 HP = 50-watt PAR36	SD2 = Self-Diagnostics	A = Ammeter BD = Battery Disconnect Switch BM = Lamp heads installed on bottom of enclosure DL = Damp location listed (0° C to 40° C) F1 = 120VAC Input Fuse F2 = 277VAC Input Fuse P1 = 120VAC Power Switch P2 = 277VAC Power Switch SM1 = Lamp heads installed on the side of the enclosure(1) T = Self-Testing Diagnostics TA = Audible Self-Testing Diagnostics TD = Time Delay, 15-Minutes V = Voltmeter

CT & CH Heads are chrome finish. M & HP Heads are painted white.

1 Side Mounted lamp heads option (SM) are not installed onto the enclosure at the factory
 2 Available on 75 watt units and larger.

Accessories

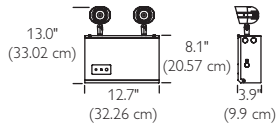
SDREMOTE = Infrared remote test device
SSMP = White Mounting Shelf for 25-50w units
SMMP = White Mounting Shelf for 75-150w units
SLMP = White Mounting Shelf for 200-450w units
SKIT = Strapping Kit for column/pole/i-beam mounting

WG5 = Wire Guard for 25-150w units
WG = Wire Guard for 200-450w units
10013 = Line cord for field installation (6' 18/3, 120VAC)

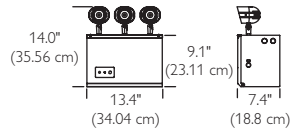
Job Information Type:

Dimensions

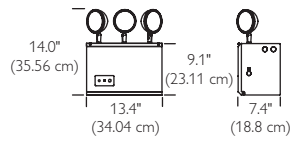
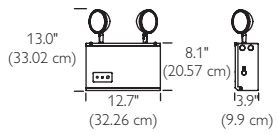
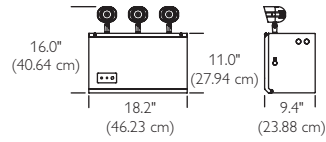
25-50 Watt



75-150 Watt



200-450 Watt



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Job Information	Type:
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