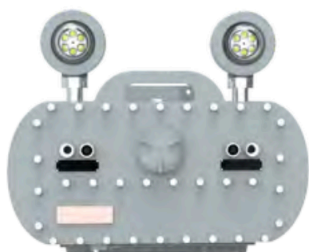




BPO LIGHTING
Hazardous Area Lighting

ES 03



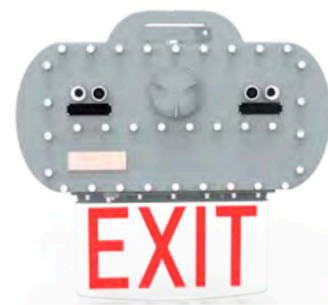
ES03 A1
Emergency Light



ES03 C1
Emergency Light



ES03 A2
Emergency Light
+Exit Sign



ES03 A3
Exit Sign



Class 1 Division 1

Key Features

FEATURES:

Emergency Light (Rugged)
Cost Effective
3 Hr Emergency Back-Up

OPTIONS:

A1/C1/A2/A3
A2/A3

CCT Red, Green or White
Red or Green Sign
11 Sign Markings

Compliance

UL 844 Hazardous Locations
Class I Division 1 Groups C, D
Class I Division 2 Groups A, B, C, D
Class I Zone 1 IIB
Class II Division 1 Groups E, F, G
Class II Division 2 Groups F, G
Class III

UL 1598 Suitable for Wet Locations
UL 1598A Marine Saltwater
UL 924 Emergency Lighting
IP66 / Wet Locations
IK08 (Glass)
IK10 (Enclosure)
ETL
NEMA 4X

Applications

Oil and Gas

Petroleum production and refining
Petroleum loading, storage, transportation and retail
Confined spaces with vapor accumulation
LNG and LPG handling
Oil tanker and shipping vessels
Fuel system testing facilities

Power Plants

Coal-fired power plants, including coal handling and storage areas
Gas-fired power plants with fuel storage
Nuclear power facilities in hazardous auxiliary areas
Biomass or waste-to-energy plants with combustible dust risks

Industrial

Industrials Storage Facility
Paper mills, Sawmills and lumber yards
Loading Docks Platforms
Manufacturing plants for heavy industrial goods
Warehouses handling flammable materials

Waste Treatment

Wastewater Treatment Plants
Pumping Stations
Solid waste processing and incineration facilities
Sewage treatment with methane gas risks
Hazardous waste Recycling Centers

Mining

Operations and service
Underground mining tunnels with gas accumulation

Chemical Industry

Chemical production, processing facilities and storage
Solvent handling and mixing areas
Chemical research labs with flammable substances

Ocean, marine and aerospace

Ocean platform operation facilities and structure
Marine & Saltwater Environments
Aerospace clean room and production
Ocean vessel operations
Shipyards and dry docks
Aircraft hangars with fuel vapors

Metal treatment

Paint facilities
Steel and aluminum factories
Metal smelting, foundry and fabrication
Welding and cutting areas with gas risks

Military and Defense

Ammunition storage and handling
Fuel depots and refueling stations
Explosives manufacturing
Vehicle maintenance bays in hazardous zones

Food alcohol and Agriculture industry

Flour and fine particle production and storage
Food and distilling production
Grain storage elevators and silos
Breweries and fermentation tanks
Feed mills with dust risks
Fertilizer production and storage

Pharmaceutical Industry

Drug manufacturing and solvent handling
Clean rooms with volatile compounds
Pill coating and drying areas
Research and development labs

Other high humidity, high dust, high temperature and vapor locations

Specifications

	ES O3A1			ES O3C1			ES O3A2			ES O3A3	
Wattage	10W	15W	17W	10W	11W	12W	10W	15W	17W	3W	5W
Body	A1 Emergency Light			C1 Emergency Light			A2 Emergency Light +Exit Sign			A3 Exit Sign	

OPTICAL

Color Temperature: CCT	5000K (standard), 3000-6500K optional										
Beam Angle	120° Standard, 90°option										
Light Source	Red, yellow, green or other option						Red, yellow, green or other option / Red/Green			Red/Green	

ENVIRONMENTAL

Ambient Operating Temperature	-0°C to +45°C (32°F to +113°F); Discharging -20°C to +60°C (-4°F to +140°F)										
-------------------------------	---	--	--	--	--	--	--	--	--	--	--

MECHANICAL

Housing Material	Die-cast Aluminum, Hinge & Screws	Die-cast Aluminum. Screws to tighten plate	Die-cast Aluminum, Hinge & Screws	
Lens Diffuser	Tempered Glass			
Hardware	Stainless Steel			
Mounting	Wall			
Cable Entry	3/4” NPT			
Warranty	5 Year Standard Warranty			

ELECTRICAL

Lifespan	L70> 50,000 Operational Hours @ 40°C										
Input Voltage	100-277V										
Input Frequency	50/60Hz										

EMERGENCY

Emergency Time	3 Hour, Battery Backup for Spot Light is Independent	3 Hour, Battery Backup for Spot Light is Independent	3 Hour, Battery Backup for Emergency Sign & Spot Light are Independent	3 Hour, Battery Backup for Emergency Sign is Independent
Power of Two Spot Lights @120V, 50-60Hz	7W @ Fully Charged; 10W @ During Charge			
Power of Two Spot Lights @277V, 50-60Hz	9W @ Fully Charged; 12W @ During Charge			
Power of Exit Sign			3W to 5W	
Lamp Adjustable Angle	0°-180°			
Glass EXIT Sign Plate	Tempered Glass		Tempered Glass	
EXIT Sign Color			Red or Green	
Spot Light	Can Be adjusted in horizontal and vertical directions			

Ordering Logic

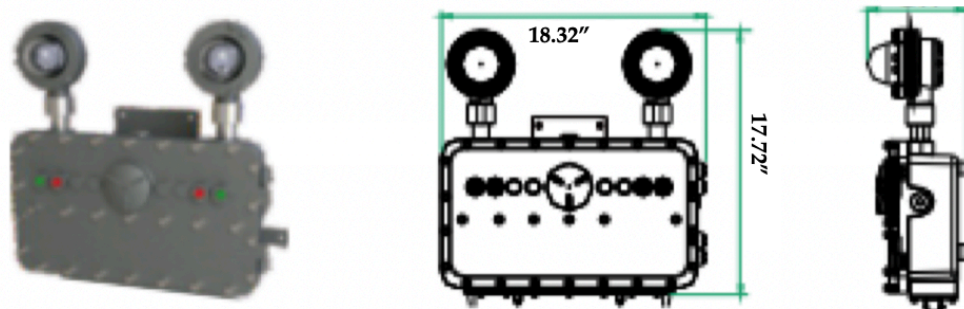
ORDER EXAMPLE: ESO3 EX 15W A1 D 5K
 ESO3 EX 12W C1 D 5K
 ESO3 EX 15W A2 D 5K R A
 ESO3 EX 5W A3 D 5K R A

(1) Product	(2) Product Category	(3) Wattage	(4) Product Type	(5) Dimming	(6) Kelvin	(7) Sign Color	(8) Sign Type
ESO3	EX - Explosion Proof Product	A1: 10W 15W 17W C1: 10W 11W 12W A2: 10W 15W 17W A3: 3W 5W	A1 - Emergency Light C1 - Emergency Light A2 - Emergency Light + Exit Sign A3 - Exit Sign	D - Dimmable N - Non-Dimmable	3K - 3000 K 4K - 4000 K 5K - 5000 K (S) 6.5K - 6500 K A1/C1/A2: R - Red G - Green Y - Yellow	A2/A3 R - Red G - Green	A2/A3 A: EXIT B: C: D: E: F: G: H: I: J: K: EXIT

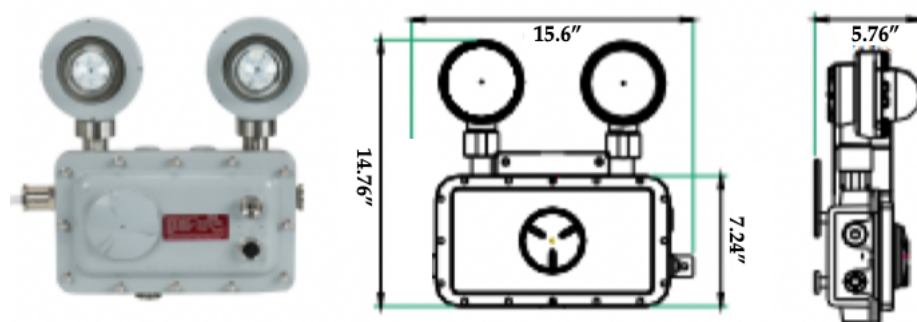
(S) Standard

Product Dimensions

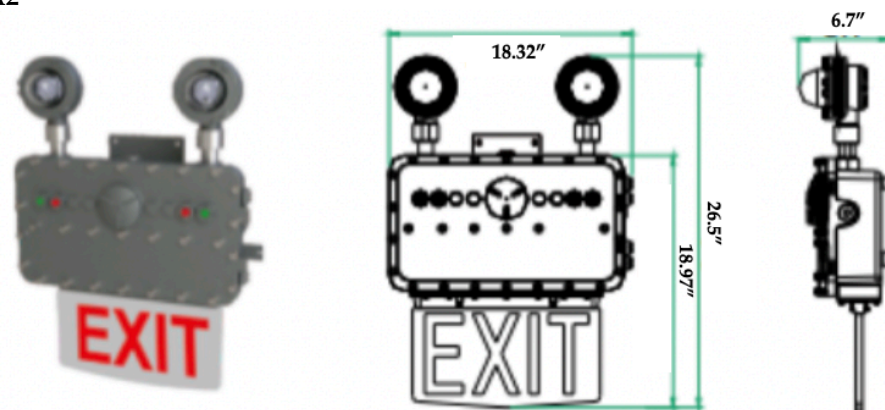
ESO3 A1

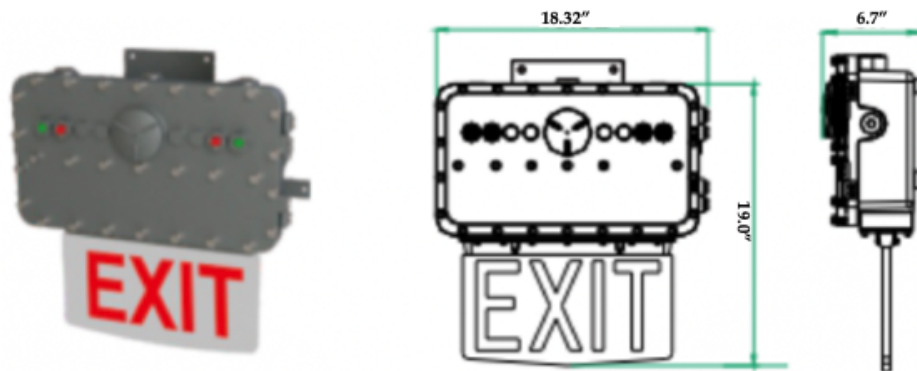


ESO3 C1



ESO3 A2





Packaging Information

	ES O3A1	ES O3C1	ES O3A2	ES O3A3
	A1 Emergency Light	C1 Emergency Light	A2 Emergency Light +Exit Sign	A3 Exit Sign
Pieces	1			
Fixture Dimensions	See Product Dimensions Drawing			
Package Dimensions	22.28 x 20.67 x 11.45 IN (566 x 525 x 290 MM)	17.32 x 17.72 x 12.20 IN (440 x 450 x 310 MM)	29.92 x 25.59 x 14.17 IN (760 x 650 x 360 MM)	29.13 x 22.28 x 11.45 IN (740 x 566 x 290 MM)
Net Fixture Weight	44.09 lb 20.0 kg	17.64 lb 8.0 kg	55.12 lb 25.0 kg	55.12 lb 25.0 kg
Gross Weight	48.50 lb 22.0 kg	21.61 lb 9.8 kg	66.14 lb 30.0 kg	59.52 lb 27.0 kg