

# Explosion Proof Linear Emergency Fluorescent Fitting EVS EM With Automatic Test Zones 1,2,21 & 22



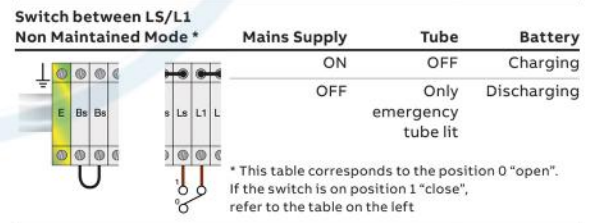
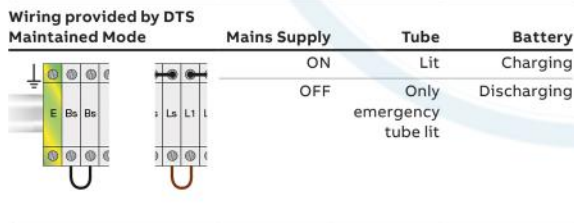
### Features

- Easy disconnect without wiring to remove the gear tray
- All components mounted on hinged and removable gear tray for easy maintenance
- Double central locking for ingress protection
- Automatic switch off on opening
- Including accessories (cable gland, plugs & fixing brackets)

Electrical Features	
<b>Lamps</b>	Fluorescent Lamp (order separately) T8 bi-pin tube, lampholder G13, diameter 26mm - white industry 4 000°K
<b>Photometric curve</b>	See page 189
<b>Rated voltages</b>	Electronic ballast: 108 to 254V ac or DC EOL (End of life) the ballast prevents the lamp cap at the end of lamp life cycle from overheating.
<b>Power factor</b>	0.98
<b>Wiring Configuration</b>	5 wires
<b>Battery</b>	Battery NiCd 6V 4Ah in flameproof case (Ex d) for EVS120, EVS220 Battery NiCd 6V 7Ah in flameproof case (Ex d) for EVS140, EVS240 Lumen output in emergency mode (1 lamp lit) 3 hours: 40% for EVS120, EVS220 3 hours: 33% for EVS140, EVS240 Monitored by two LED

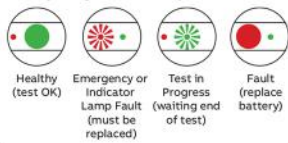
Electrical Features	
<b>Terminal block (spring)</b>	Jumped bar x2 terminal blocks 4mm <sup>2</sup> (rigid wire), 2.5mm <sup>2</sup> (flexible wire) Terminals supplied L1, L2, L3, LS, N, E, BS (looping possible with one additional cable gland)
<b>Cable entries</b>	Three entries M20
<b>For non-armoured cable:</b>	included two M20 nylon plugs (EX-M20) and one M20 nylon cable gland, diameter 6-12mm (EXCGM20S)
<b>For armoured cable:</b>	included continuity plate - two M20 nylon plugs (EX-M20) and one M20 nickel plated brass cable gland, diameter 6-12/ 8.5-16mm (EXN04MMC1)
<b>Housing</b>	Fiberglass reinforced polyester housing for high impact strength, UV protected polycarbonate diffuser to resist harsh environments, Painted steel gear tray & Stainless steel 316L insert
<b>Fixing (included with product)</b>	V015 - 2x Two zinc-plated steel brackets for ceiling mounting

### Emergency function diagrams



### Preventive maintenance mode

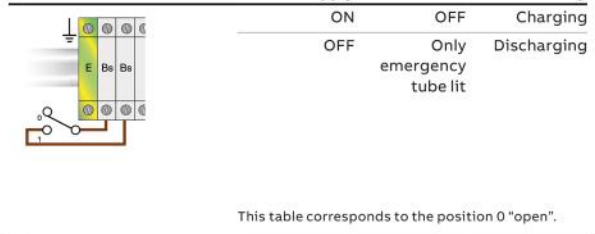
Battery charge - daily  
Emergency lamp during 1min - weekly  
Battery charge capacity during 1hr - quarterly  
Clear system test display  
Battery charge monitored by 2 LED



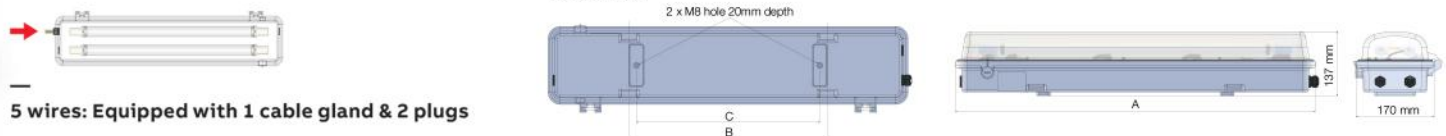
### Emergency function diagram - Blackstart mode

The EMA product contains 2 blackstart terminals. The blackstart mode consists in disconnecting the battery and so switching off the fitting. This mode is mainly used during maintenance. As soon as the maintenance is done, the main power ON and the blackstart terminals connected, the emergency fitting is ready to be used as the battery is not discharged.

### Switch between BS terminals



### Dimensions



5 wires: Equipped with 1 cable gland & 2 plugs

Type For		Wiring Configuration	Light Rating W	Battery h	Current A @ 230V	Dimensions mm			Weight kg
non armored cable	armored cable					A	B	C	
EVS120EMA-0000	EVS120EMA-D000	5 wires*	1 x 18	3h	0.09	785	432	400	8.80
EVS140EMA-0000	EVS140EMA-D000	5 wires*	1 x 36	3h	0.17	1 370	900	700	11.02
EVS220EMA-0000	EVS220EMA-D000	5 wires*	2 x 18	3h	0.17	785	432	400	8.80
EVS240EMA-0000	EVS240EMA-D000	5 wires*	2 x 36	3h	0.33	1 370	900	700	11.02