

# Manta

The **Manta** exit sign range has been developed to provide a robust but attractive solution for exterior applications requiring effective safety signage.

**Manta** signs offer an excellent viewing distance of 30 metres via easy to change legends, a robust polycarbonate housing with ratings of IP65/IK08.

**NB:** Every sign is provided with a retro fittable second legend plate for ceiling or 'flagpost' wall mounted double sided installation.

The **Manta** Exit Sign features a robust polycarbonate enclosure and is supplied with 'clip-in' safety sign legend screens behind a clear cover. It also benefits from being supplied with a mounting bracket allowing ceiling or 'flagpost' wall installation options to the standard wall mount (single sided only).

The integral rechargeable batteries and charger/driver PCB are mounted in the central housing and the advanced wide angle white LEDs provide even and effective illuminance across the legend. Cable entries are provided into the back (single sided), top, and one side.

## OPERATION

The **Manta** range is supplied as permanently Maintained operation as standard providing 3 hour duration. Clip-in pictogram legend panels complying with the EC Safety Signs Regulations and latest ISO sign requirements are supplied as a kit with each luminaire.

The bright and even luminance across the legend panel ensures maximum visibility in the event of an emergency.

**Manta** luminaires use the latest high efficiency, white LEDs, a 'smart' energy efficient battery charger/driver circuit and long-life Lithium Iron Phosphate batteries (LiFePO4).

**NOTE:** **Manta** luminaires can be equipped with **SurePath BLE** Bluetooth addressable Gateway modules. *See Data Sheet.*

The luminaires are designed to fully comply with the relevant parts of EN60598.2.22

## DALI/Self-Test Options:

The **Manta** LED luminaires are supplied with integral Self-Test gear complying with BSEN62034. There is also a fully interoperable DALI version available. Please note the Self-Test only luminaire only operates in maintained mode and does not have the facility to used as a non-maintained luminaire. For this extra function please revert to the DALI version which has Self-Test capability and allows non-maintained operation

**NB:** The addition of DALI gear can create a slight shadow on one edge of the legend plate.

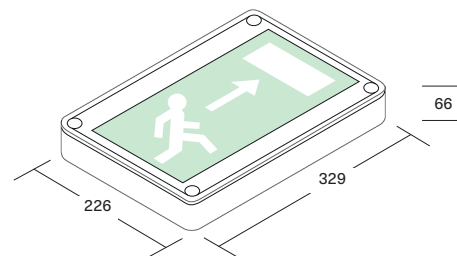


MAN/M3/ST/WH



## GENERAL DETAILS

Product	LED Exit Sign
Light source	15 x white LEDs
Luminaire Lumens	N/A
Construction	Polycarbonate housing and double diffuser plus internal 'clip-in' safety legend screen
Geartray	Integral to base
Dimensions	329mm (L) x 226mm (W) x 66mm (H)
Cable entry	20mm knock-outs top, back and one end
Mounting	Wall mount (single sided only); Ceiling mount bracket; 'Flagpost' wall mount bracket — (bracket supplied)



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 elp.uk.com



**IP65 rated, single or double sided Exit Sign**

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## SPECIFICATION

	/ST Maintained	/DA Maintained
Light source	15 x wide angle white LEDs	
Colour temperature	4500K	
IP and IK rating	IP65 IK08	
Ambient temperature (Ta)	0°C to 25°C	
Insulation class	Class II	
Supply voltage	230V ~ 50Hz	
Supply power	3.5W	4.0W
Charge power (typical)	0.9W	1.1W
Battery	3.2V 1.5Ah LiFePO <sub>4</sub>	3.2V 3.2Ah LiFePO <sub>4</sub>
Weight	2.0kg	2.1kg



Every **Manta** sign is provided with a retro fittable second legend plate for ceiling or 'flagpost' wall mounted double sided installation.

ORDER CODES	Description
<b>MAN/M3/ST/WH</b>	Maintained self-test emergency LED exit sign luminaire
<b>MAN/M3/DA/WH</b>	Maintained DALI emergency LED exit sign luminaire
<b>MAN/230/WH</b>	Mains only LED exit sign luminaire
<b>MAN/230D/WH</b>	DALI version of mains only LED exit sign luminaire
OPTIONS:	
	<b>/MT</b> Manual-test with DALI function disabled
	<b>/BLE</b> Wireless DALI emergency
LEGENDS:	<b>NB: all versions are supplied</b>
	<b>/ECAR</b> EC Format — Arrow Right
	<b>/ECAL</b> EC Format — Arrow Left
	<b>/ECAD</b> EC Format — Arrow Down
	<b>/ISOAR</b> ISO Format — Arrow Right
	<b>/ISOAL</b> ISO Format — Arrow Left
	<b>/ISOAU</b> ISO Format — Arrow Up
	<b>/ISOAD</b> ISO Format — Arrow Down

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