

Velos



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The Velos emergency exit sign family with its class leading performance and attractive modern styling utilises cutting edge materials and LED light source for a functional yet stylish appearance in a variety of indoor applications. Velos uses the latest innovations in plastic material to provide a superior luminance across the face of the legend to meet EN1838 and improved visibility in low level light situations (high level smoke). Velos utilises a low power LED light source with 60,000 hours for prolonged lifetime and minimal power consumption with the advantage of minimal cost of ownership and through-life cost. Velos incorporates an intelligent technology that monitors the LEDs light source, upon failure of an LED the remaining LED light output is increased to maintain luminance on the legend.

- Family range for flexible solutions to suit all situations and mounting options with a common consistent look and feel
- Low power consumption reducing cost of ownership
- Ease of installation with minimal tools required for reduced install time and cost
- 60,000 hour lifetime LED light source for reduced maintenance cost
- Available with 30m and 40m viewing distances to suit project needs
- Adjustable brightness function to 50% in maintained operation, ideal for cinemas and theatres
- Self-contained, slave, and addressable testing options

Lamp and Control Gear Options

- 24 x low power LED (strip)

Materials

- Luminaire body/PSU - polycarbonate RAL9016
- Bezel - polycarbonate RAL9016
- Legend - polycarbonate

Installation Notes

- First fix base with push fit cable connectors capable of accepting 2 x 2.5mm² cables with touch safe components for improved safety
- Suitable for wall, suspended, hanging and recessed mounting using selection of mounting accessories (see below)
- Minimal tools required
- Integrated function test button
- BESA box entry and cable entry on top and sides

Power Supply Unit

1. Easy to install with no use of special tools required
Environmentally friendly; no heavy metals and energy-optimised charging process due to low self-discharge
2. Easy connecting power cables via screwless connectors for up to 2.5mm²
3. Multiple entrance points for power cables through base and main body of the power supply unit
Constructed from polycarbonate
Large capacity NiMH batteries with small construction size for compact luminaire design

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4. Fully automatic function test (weekly) or duration test (every 10 weeks)
Testing button for manual triggering of function test
Autotest models available with simple fault analysis with two LED indication of battery/LED test and status display (operation, function test, duration test, failure)
Simple lead setting can be configured to 50/100% luminance in mains operation
Increased product reliability with LED matrix orientation.
By groups of 3, if one of the 24 LEDs fail, the intact LEDs will illuminate more brightly

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5. Design life time: exceeding 60,000 hours lifetime expectancy using an EN1838 standard plate of 4mm thickness with 24 LEDs producing 140lm with maximum 240cd/m² on white surface
6. Simple parts clicking operation insuring fast installation

Note: The numbers above refer to Velos Overview Diagram

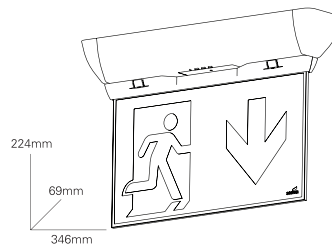
Options

- Can be operated in maintained or non-maintained operation
- Self-contained and 230V slave options
- Suspended
- Wall mount (lateral and surface)
- Suspended (rod and wire)
- Recessed ceiling mount
- Surface ceiling

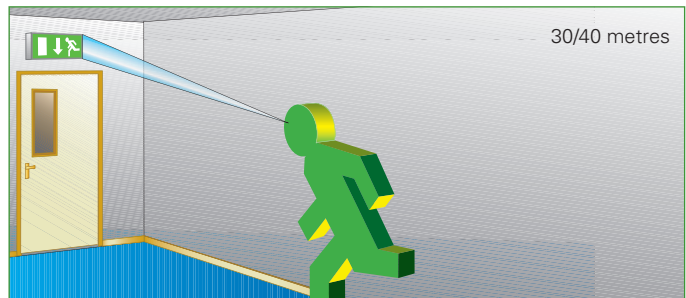
Specification

Self-contained - To specify: High performance LED self-contained emergency exit sign luminaire with 24 LED strip and 30/40M viewing distance, plug in removable legend configurable for suspended, surface and recessed mounting, as Velos range, part no. _____

Dimensions



Maximum Viewing Distance



Velos Overview Diagram



Catalogue Numbers

PSU	Cat No	Weight (kg)
Maintained 3h NiCD	O-ESC-3H	0.55
Maintained 3h NiMH self test	O-ESM-AT-3H	0.55
230V Mains Slave	O-ESMAINS	0.37
220/230V Mains Slave CG-S	O-ES-CG-S	0.37

Legend Panel	Cat No	Weight (kg)	Pictogram
Euro Left/Right 30m	O-ESP-ELR	0.5	
Euro Down/Blank 30m	O-ESP-ED	0.5	
Euro Down/Down 30m	O-ESP-EDD	0.5	
Euro Up/Blank 30m	O-ESP-EU	0.5	
Euro Up/Up 30m	O-ESP-EUU	0.5	
Euro Lateral to Room	O-ESP-E2R	0.5	
Euro Lateral to Wall	O-ESP-E2W	0.5	
ISO7010 Left/Right 30m	O-ESP-ILR	0.5	
ISO7010 Down/Blank 30m	O-ESP-ID	0.5	
ISO7010 Down/Down 30m	O-ESP-IDD	0.5	
ISO7010 Up/Blank 30m	O-ESP-IU	0.5	
ISO7010 Up/Up 30m	O-ESP-IUU	0.5	
ISO7010 Lateral to Room	O-ESP-I2R	0.5	
ISO7010 Lateral to Wall	O-ESP-I2W	0.5	
ISO7010 Left/Right 40m	O-ESP40-ILR	0.85	
ISO7010 Down/Down 40m	O-ESP40-IDD	0.85	
ISO7010 Up/Blank 40m	O-ESP40-IU	0.85	
ISO7010 Up/Up 40m	O-ESP40-IUU	0.85	
ISO7010 Down/Blank 40m	O-ESP40-ID	0.85	

Accessories	Cat No	Weight (kg)
Recessed Base	O-ESA-RB	0.125
Wall FLEXI Joint	O-ESA-FLEX	0.05
Rope Suspension Adjustable 150cm	O-ESA-RSA	0.1
Rod Suspension 48cm (ISO30061)	O-ESA-PS30	0.27
Lateral Mounting Base	O-ESA-LMB	0.5
Back Mounting Base	O-ESA-BMB	0.5

