i-P65

i-P65 is a high specification competitively priced emergency LED bulkhead utilising the latest LED and optic technology to provide an attractive, good quality, functional luminaire for indoor and outdoor use. Boasting numerous features and benefits, the *i*-P65 can be used to provide escape route lighting, single sided exit sign or optional double sided exit sign with a common look and feel where aesthetics are a primary concern.

The *i*-P65 has been designed for ease of installation, reduced power consumption, minimal maintenance, reducing the TCO (total cost of ownership) with a compact attractive appearance. The innovative optic design used in the *i*-P65, developed and produced by Cooper Lighting and Safety, efficiently utilises light from the LED source to provide uniform lighting distribution. For both escape route and open area anti-panic emergency lighting applications, performance is improved and electrical power consumption is reduced.

- Versatile multi-functional use (escape, open area and exit sign use)
- Low power consumption reducing cost of ownership
- Ease of installation, reducing installation time and cost
- Excellent spacing reducing the quantity of fittings required
- 60,000 hour life LED for reduced maintenance
- EasiCheck and Intellem self-test emergency versions available, reducing maintenance costs and offering ease of compliance with testing requirements
- Environmentally friendly NiMh battery

i-P65

Lamp and Control Gear Options

- 2 x high power 1W white LED
- Consumption (Maintained) - 6.9VA/5W
- Consumption (Non-Maintained) - 3.6VA/2.5W

Materials

- Luminaire Body - Polycarbonate
- Gear Tray - Polycarbonate
- Battery - NiMh 4 cell (self contained version)

Installation Notes

- Suitable for ceiling or wall surface mount
- Outboard fixings for improved IP integrity
- First fix base with heavy duty connector capable of accepting 2 x 2.5mm^2 cables
- Touch safe components when gear tray removed
- BESA box entry on rear, 20mm conduit entry on ends and sides
- Plug in gear tray
- To prevent unauthorised access, a tool is required to remove diffuser and internal components
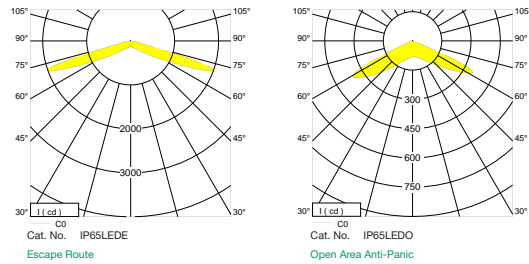
Options

- Maintained luminaire can be operated in non-maintained mode
- Intellem Self test
- EasiCheck addressable test system
- Central Slave versions
- CEAG Slave versions
- Optional ISO7010 or Euro pictogram exit legends
- Temperature controlled battery heater kit for optimised performance in low ambient temperatures
- We offer a range of product support contracts to aid commissioning, reduce your maintenance costs, comply with legislative test requirements and increase the lifespan of your lighting equipment
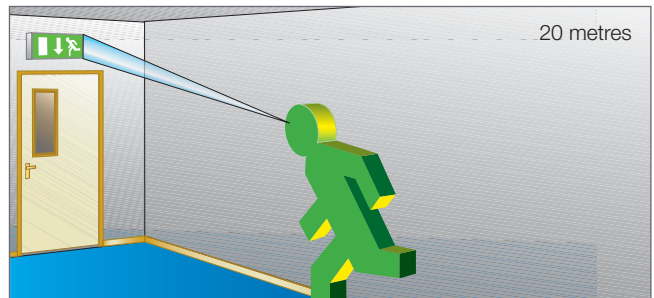
Specification

Self-contained – To specify: High performance LED self contained emergency luminaire with two 1W LED to give 20m escape route, with plug in gear tray and NiMh Battery, as Menvier *i*-P65 range, part no. _____

Self-test/Addressable test – To specify: High performance LED intelligent self testing/central system compatible slave emergency luminaire with two 1W LED to give 20m escape route, with plug in gear tray, as Menvier *i*-P65 range, part no. _____
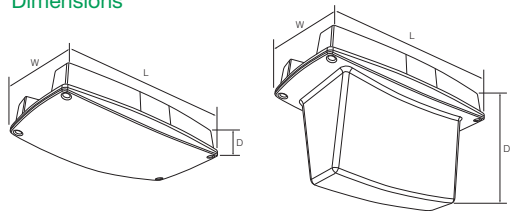
Photometric Data

Cat. No. IP65LEDE
Escape Route

Cat. No. IP65LEDO
Open Area Anti-Panic

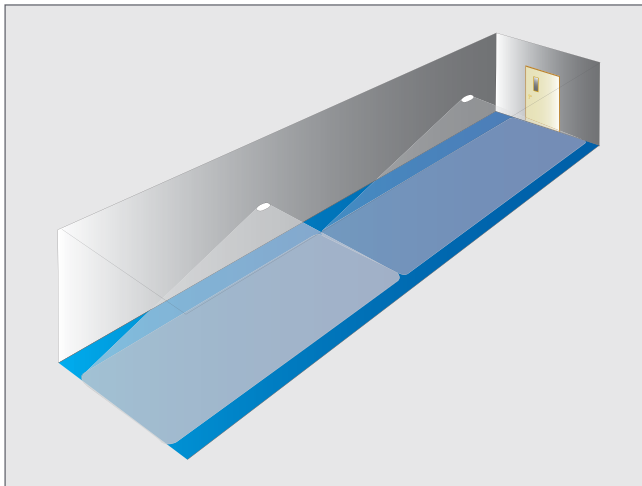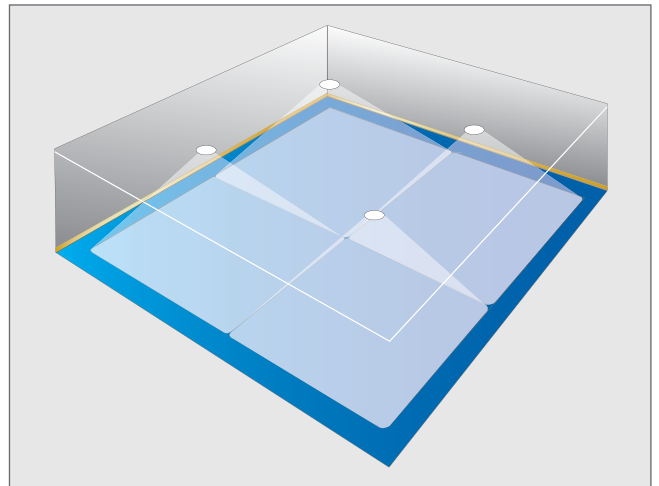| Mode	Mounting height (m)	Lux level directly under				
Escape optic (Asymmetric)			Escape Route 2m wide 1 lux min			
Self contained	2.5	2.7	-	-	17.1	7.8
	2.8	2.2	-	-	18.6	8.4
	3.0	1.9	-	-	19.6	8.6
Open Area optic (Symmetric)			Open (anti-panic) area 0.5 lux min			
Self contained	2.5	1.7	5.3	10.5	10.5	5.3
	2.8	1.4	5.7	11.5	11.5	5.7
	3.0	1.2	5.9	12.2	12.2	5.9
	4.0	0.67	4.9	12.5	12.5	4.9
Open Area optic (Symmetric)			Open area 1.0 lux min			
Self contained	2.5	1.7	4.3	9.4	9.4	4.3
	2.8	1.4	3.3	9.3	9.3	3.3
	3.0	1.2	3.2	9.2	9.2	3.2

20 metres

Dimensions

L (mm)	W (mm)	D (mm)
Single Sided Exit Sign		
263	142	55
Double Sided Exit Sign		
263	142	165

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Emergency - Bulkhead

Escape Route (Asymmetric - 1 Lux)

Open Area (Symmetric - 0.5 Lux)

Catalogue Numbers

System Mode	Cat No	Weight (kg)
Maintained 3hr open area *	IP65LEDO3H	0.7
Maintained 3hr escape route *	IP65LEDE3H	0.7
Maintained 3hr open area Intellem Self test *	IP65LEDO3HIS	0.7
Maintained 3hr escape route Intellem Self test *	IP65LEDE3HIS	0.7
Maintained 3hr open area EasiCheck 2 *	IP65LEDO3HEC2	0.7
Maintained 3hr escape route EasiCheck 2 *	IP65LEDE3HEC2	0.7
230V Mains Slave open area *	IP65LEDO230	0.5
230V Mains Slave escape route *	IP65LEDE230	0.5
230V Mains Slave open area EasiCheck *	IP65LEDO230EC	0.5
230V Mains Slave escape route EasiCheck *	IP65LEDE230EC	0.5
230V CEAG Slave open area *	IP65LEDO230CG	0.5
230V CEAG Slave escape route *	IP65LEDE230CG	0.5
Single side legend panels		
European format single side legend kit	IP65LEG	0.05
ISO7010 single side legend kit	IP65LEG7010	0.05
Double side exit sign		
Maintained 3hr *	IP65LEDEX3H	0.8
Maintained 3hr Intellem Self test *	IP65LEDEX3HIS	0.8
Maintained 3hr EasiCheck 2 *	IP65LEDEX3HEC2	0.8
230V Mains Slave *	IP65LEDEX230	0.6
230V Mains Slave EasiCheck *	IP65LEDEX230EC	0.6
230V CEAG Slave *	IP65LEDEX230CG	0.6
Double side legend panels		
ISO7010 double side legend kit	IP65DBLLEG7010	0.05
European format double side legend kit	IP65DBLLEG	0.05
Options		
Low temperature battery heater †	IP65CONDHEAT	0.1

* (not including pictogram)

† Allows luminaire to be used in low ambient temperatures

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Emergency - Bulkhead

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