i-P65+

The i-P65+ combines the performance of a traditional high-bay emergency luminaire with the aesthetics of the i-P65 to create a new robust and multi-functional luminaire range.

i-P65+ provides a highly superior alternative to traditional Twin Spot projectors which are not well suited for large open areas. The i-P65+ has far greater performance for the escape route also.

The i-P65+ range is available with either a die-cast Aluminium or high-impact Polycarbonate base. This coupled with the IP65 rating make it an ideal product for industrial applications but its aesthetic appearance also lends itself to more commercial applications where a higher level of emergency illumination is required i.e. high risk task areas

The i-P65+ range is split into two variants with a mid-bay solution for low to medium mounting and a high-bay solution for mounting up to 34m.

- 60,000 hour maintained operation L80
- Mid-bay and high-bay variants allow the luminaire to be tailored to the application and reduces overall cost of ownership by reducing number of luminaires required
- Weatherproof IP65 ingress protection suitable for outdoor and wet environments
- Suitable for high risk task areas and specific locations as defined in EN1838 and BS 5266 respectively
- Polycarbonate and die-cast aluminium variants available
- Tamper resistant diffuser for increased safety
- Self-contained, slave, self-test and addressable testing options available

Lamp Options

- 6.5W high power white LED
- 60,000 Hours @ L80 in maintained operation

Materials

- Base variants– Impact resistant polycarbonate & die-cast Aluminium, finished in white powder coated paint
- Diffuser – Clear polycarbonate
- Battery - NiCd (Self-Contained version)

Installation Notes

- Suitable for ceiling mounting
- Suitable for mounting heights of 2-34m
- Single BESA entry drill-out on rear
- 20mm conduit entry to each end and three laterally on one side
- Direct screw fix option, with fixing holes outside of the IP rated area for improved ingress protection
- 4 Pole screwless terminal block, accommodating 2 x 1.5mm² solid or stranded wiring
- Diffuser retained by allen key security screws

Options

- Self-Contained – Can be operated in maintained or non-maintained mode
- Intellem self-test (see page 283)
- CGLine+ addressable test system (see page 277)
- Central battery slave versions
- Easicheck slave addressable test versions
- CEAG slave versions

Reflector Options

- Dependent on the application, an optic or reflector variant is available to best suit project requirements.
- The wide-beam optic 'L' variant provides a square light distribution. It is most suitable for illuminating open areas
- The narrow-beam reflector 'H' variant is especially suitable for escape route illumination

Specification

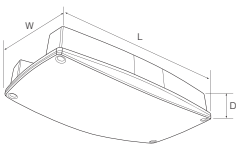
To specify state: Self-Contained – High output high performance IP65 rated self-contained luminaire complete with NiCd battery, control gear and purpose designed optic/reflector suitable for medium and high level mounting heights. Impact resistant polycarbonate base and heavy duty clear diffuser as i-P65+ part number _____

Slave – High output high performance IP rated slave luminaire complete with control gear and purpose designed optic/reflector suitable for medium and high level mounting heights. Impact resistant polycarbonate base and heavy duty clear diffuser as i-P65+ part number _____

Additional Notes

- Robust IK08 rated design
- i-P65+ is also suitable for meeting the following requirements:
  - Areas which require increased illumination as detailed in BS 5266 & BS EN 1838.
  - Areas with a requirement of 10.8 lux according to NFPA 101

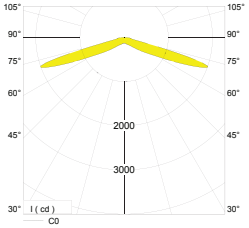
Dimensions



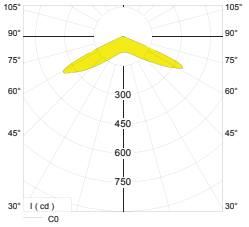
	L (mm)	W (mm)	D (mm)
iP65+	340	167.9	80.5

Photometric Data

Cat. No. IP65PLP3H
Escape Route



Cat. No. IP65PHP3H
Open Area Anti-Panic



Escape Optics (Asymmetric) **Escape Route 2M wide 1 lux min to centre line**
Based on Factors K 0.85 S 0.95

Mode		Mounting Height (m)	Lux Level Directly under	*Escape route*		*Open Area*			
Self contained	**Highbay**	2	84.50	— High risk task applications —		——— High risk task applications ———			
		2.8	39.40	2.9	6.2	3.0	6.2	4.8	2.4
		3	38.80	3.2	6.6	3.3	6.7	4.8	2.4
		4	22.10	4.1	8.4	4.3	8.3	5.2	2.7
		5	14.20	4.9	10.3	4.8	9.8	6.3	3.3
		6	9.92	5.8	12.1	5.5	11.6	7.3	3.7
		7	7.30	6.4	13.8	6.2	13.2	8.2	4.0
		8	5.61	7.1	15.4	7.1	14.9	9.0	4.1
		9	4.48	7.8	16.9	7.8	16.5	9.7	4.2
		10	3.65	8.2	18.3	8.5	18.1	10.4	4.3
		17	1.26	6.4	24.7	10.5	27.7	14.4	5.0
		20	0.91	- -	- -	10.0	31.0	16.0	4.5
		25	0.58	- -	- -	7.3	36.0	16.2	2.5
		26	0.54	- -	- -	6.5	35.6	16.2	1.7
Self contained	Midbay	2	20.4	— High risk task applications —		——— High risk task applications ———			
		2.8	12	4.2	8.6	4.3	8.4	8.4	4.3
		3	11.7	4.4	9.1	4.4	8.9	8.9	4.4
		4	5.85	5.7	11.8	5.6	11.1	11.1	5.6
		5	3.98	6.7	14.3	6.6	13.5	13.5	6.6
		6	2.91	7.3	16.6	7.6	15.8	15.8	7.6
		7	2.12	7.5	18.4	8.5	18.1	18.1	8.5
		8	1.6	6.5	19.3	9.3	20.4	20.4	9.3
		9	1.27	4.7	19.1	10.0	22.5	22.5	10.0
		10	1.04	- -	- -	10.5	24.4	24.4	10.5
		14	0.54	- -	- -	4.6	27.0	27.0	4.6
Slave	Highbay	2	151.0	— High risk task applications —		——— High risk task applications ———			
		2.8	75.0	3.1	7.0	3.0	7.3	7.0	2.8
		3	63.8	3.3	7.3	3.4	7.5	7.0	2.9
		4	37.4	4.2	8.8	4.4	8.8	6.3	3.1
		5	24.5	5.1	10.6	5.1	10.0	6.6	3.7
		6	17.1	6.0	12.5	5.8	11.4	7.5	4.1
		7	12.6	6.8	14.3	6.8	13.5	8.5	4.2
		8	9.7	7.7	16.1	7.5	15.3	9.4	4.3
		9	7.7	8.5	17.8	8.2	17.2	9.8	4.6
		10	6.2	9.2	19.6	8.5	18.8	10.7	5.0
		15	2.8	11.8	27.1	11.0	26.2	14.8	6.4
		20	1.5	12.2	32.5	12.1	31.6	17.8	7.2
		24	1.0	7.0	33.4	11.6	35.8	20.3	6.6
		30	0.65	- -	- -	10.7	42.7	20.2	4.4
		34	0.5	- -	- -	7.7	44.4	20.2	2.5
CEAG Slave	Highbay	2.0	123.00	— High risk task applications —		——— High risk task applications ———			
		2.8	60.20	3.0	6.6	3.2	7.1	6.0	2.4
		3	51.00	3.3	6.9	3.4	7.5	6.0	2.6
		4	30.00	4.2	8.6	4.1	8.7	5.7	3.0
		5	19.60	5.1	10.5	4.9	10.1	6.4	3.4
		6	13.70	6.0	12.3	5.5	11.5	7.4	3.9
		7	10.20	6.7	14.1	6.0	13.2	8.2	4.3
		8	7.70	7.5	15.9	6.7	15.0	9.1	4.6
		9	6.10	8.2	17.6	7.3	16.5	10.0	4.9
		10	5.00	8.8	19.2	7.7	17.8	10.8	5.3
		15	2.20	10.9	26.4	9.7	24.2	14.2	6.5
		20	1.2	9.5	30.3	9.8	30.2	17.4	6.6
		22	1.0	5.1	28.8	9.2	32.2	18.6	6.0
		25	0.80	- -	- -	8.4	34.2	18.6	4.6
		30	0.53	- -	- -	6.8	35	18.2	2.6
CEAG Slave	Midbay	2.0	28.6	— High risk task applications —		——— High risk task applications ———			
		2.8	16.3	4.1	8.8	4.4	8.1	8.1	4.4
		3.0	14.3	4.4	9.4	4.5	8.7	8.7	4.5
		4.0	8.1	5.6	11.9	5.6	11.1	11.1	5.6
		5.0	5.1	6.8	14.4	6.8	13.6	13.6	6.8
		6.0	3.5	7.9	16.9	7.8	16.0	16.0	7.8
		7.0	2.6	8.6	19.2	8.9	18.4	18.4	8.9
		8.0	2.0	9.0	21.2	9.8	20.7	20.7	9.8
		9.0	1.6	9.0	22.9	10.8	23.0	23.0	10.8
		10.0	1.3	7.2	23.7	11.6	25.1	25.1	11.6
		15.0	0.55	- -	- -	6.4	30.6	30.6	6.4

Catalogue Numbers

System Mode		Cat No	Weight (kg)
Self-contained High-Bay			
	Self-Contained 3Hr (Polycarbonate)	IP65PHP3H	1.85
	Self-Contained 3Hr (Aluminium)	IP65PHA3H	2.25
	Self-Contained 3Hr Intellem self-test (Polycarbonate)	IP65PHP3HIS	1.85
	Self-Contained 3Hr Intellem self-test (Aluminium)	IP65PHA3HIS	2.25
	Self-Contained 3Hr CGLine+ (Polycarbonate)	IP65PHP3HCGL	1.85
	Self-Contained 3Hr CGLine+ (Aluminium)	IP65PHA3HCGL	2.25
Self-contained Mid-Bay			
	Self-Contained 3Hr (Polycarbonate)	IP65PLP3H	1.85
	Self-Contained 3Hr (Aluminium)	IP65PLA3H	2.25
	Self-Contained 3Hr Intellem self-test (Polycarbonate)	IP65PLP3HIS	1.85
	Self-Contained 3Hr Intellem self-test (Aluminium)	IP65PLA3HIS	2.25
	Self-Contained 3Hr CGLine+ (Polycarbonate)	IP65PLP3HCGL	1.85
	Self-Contained 3Hr CGLine+ (Aluminium)	IP65PLA3HCGL	2.25
230VAC Slave High-Bay			
	230V AC Mains Slave (Polycarbonate)	IP65PHP230	1.25
	230V AC Mains Slave (Aluminium)	IP65PHA230	1.65
	230V AC Mains Easicheck Slave (Polycarbonate)	IP65PHP230EC	1.25
	230V AC Mains Easicheck Slave (Aluminium)	IP65PHA230EC	1.65
230VAC Slave Mid-Bay			
	230V AC Mains Slave (Polycarbonate)	IP65PLP230	1.25
	230V AC Mains Slave (Aluminium)	IP65PLA230	1.65
	230V AC Mains Easicheck Slave (Polycarbonate)	IP65PLP230EC	1.25
	230V AC Mains Easicheck Slave (Aluminium)	IP65PLA230EC	1.65
CEAG High-Bay			
	230V CEAG Slave (Polycarbonate)	IP65PHPCGS	1.25
	230V CEAG Slave (Aluminium)	IP65PHACGS	1.65
CEAG Mid-Bay			
	230V CEAG Slave (Polycarbonate)	IP65PLPCGS	1.25
	230V CEAG Slave (Aluminium)	IP65PLACGS	1.65
Accessories			
	Mounting bracket for Chain Suspension/Trunking Systems etc.	IP65PSUSPB	0.4