



## PEARL CIRCULAR IP65

Ektor New Generation platform introduces you to a new era of emergency lighting control. With years in the making, the New Generation platform builds on the Ektor product range increasing quality, reliability and performance. In choosing this Ektor product you can be confident that you have the best.

## HIGH ACCURACY CONTROL

Flicker free precise control is maintained through the use of a 16bit 125kHz chopped PWM controller and a unique two stage 12 bit ADC. Through high speed PID control, both the battery charger and the LED driver provide optimum output.

## BEST PERFORMANCE EMERGENCY PRODUCTS

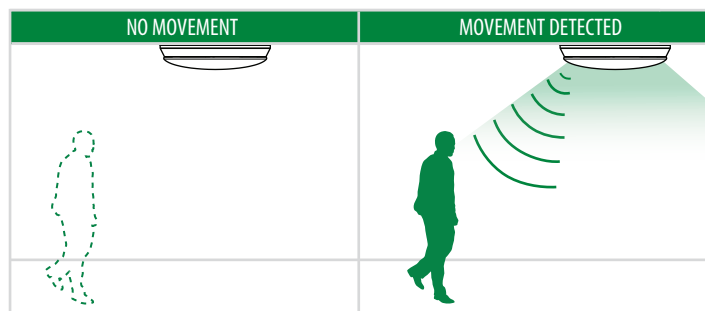
New Generation products have been designed to be the best performing products on the market today. Providing the best value, best energy consumption, optimal output and quality design, no short-cut has been taken in ensuring that our customers nothing but the best.

## WIRELESS UPGRADE

Upgrade any New Generation emergency device to allow Wi-Fi connections which support B/G/N networks. Use the Wi-Fi connectivity to connect with supported Apps, Ektor wireless control systems and the Cloud.

## MICROWAVE SENSOR

An optional microwave sensor can be fitted to the Pearl circular providing higher levels of power saving and can be configured to turn on at low light levels (such as dusk).



When no movement is detected the light is off.

The sensor automatically switches on the light when a person enters the room.

## FEATURES

- Long life electronics
- Large 16mm<sup>2</sup> terminal blocks
- Best in class energy consumption
- IP65 and emergency models available
- High ambient temperature rating (40°C)
- Non-maintained or maintained operation\*
- Fast emergency switch-over (<0.5s) for high task areas\*
- Premium Lithium batteries (LiFePO<sub>4</sub>) and smart charger\*
- Selectable discharge rating 1 / 2 / 3 / 4 / 8H for hazardous areas\*

## MOUNTING OPTIONS

- Surface mounted (wall and ceiling)

## SUITABLE INSTALLATION TYPES (OUT OF THE BOX)

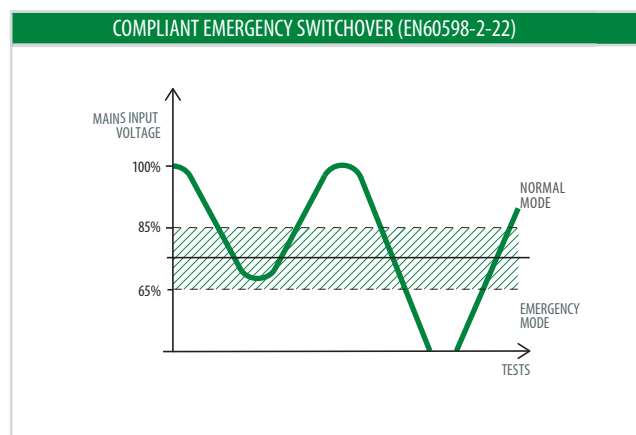
- Standalone (SPU)
- Self test (AS2293/ IEC62034-2012)\*
- DALI (IEC62386)\*
- Ektor wired monitored system\*
- Wireless monitoring (w. upgrade module)\*

## ENGINEERED QUALITY FROM AUSTRALIA

There is a large difference between making a product and making a really exceptional product. All Ektor New Generation emergency products have been painstakingly engineered to perfection in Australia. Thousands of engineering hours have gone into making our products great, from streamlining production, ensuring robust construction and using optimal materials. But engineering doesn't stop there, throughout the entire life of New Generation products, engineers are continuing to make advances in product reliability and design. Boasting one of the biggest engineering teams in the industry you can be confident that Ektor has the team and resources to deal with your requirements.

## FULLY COMPLIANT

Where compliant means fully compliant. Ektor New Generation products are fully compliant to the required safety, EMC, and performance requirements right down to the finite details. While products on the market can be found not to comply even to the simplest requirements of labelling, New Generation products provide the best and most compliant range of products on the market today.



When mains power dips the emergency must turn on at the correct voltage.

\*Applies to Emergency models only.

**ORDERING INFORMATION**

CODE	PRODUCT CODE	DESCRIPTION	PRODUCT NUMBER	CARTON QTY	WEIGHT (NET/GROSS)
01808	EV-PEARL-EM-WP	Pearl Circular IP65 emergency - 15W	9336462018088	4	1.95 Kg / - Kg
01812	EV-PEARL-EM-WP-S	Pearl Circular IP65 emergency with sensor - 15W	9336462018125	4	2 Kg / - Kg
01809	EV-PEARL-EM-PRO-WP	Pearl Circular IP65 Pro, emergency - 25W	9336462018095	4	2.75 Kg / - Kg
01813	EV-PEARL-EM-PRO-WP-S	Pearl Circular IP65 Pro, emergency with sensor - 25W	9336462018132	4	2.8 Kg / - Kg

**OPERATIONAL INFORMATION**

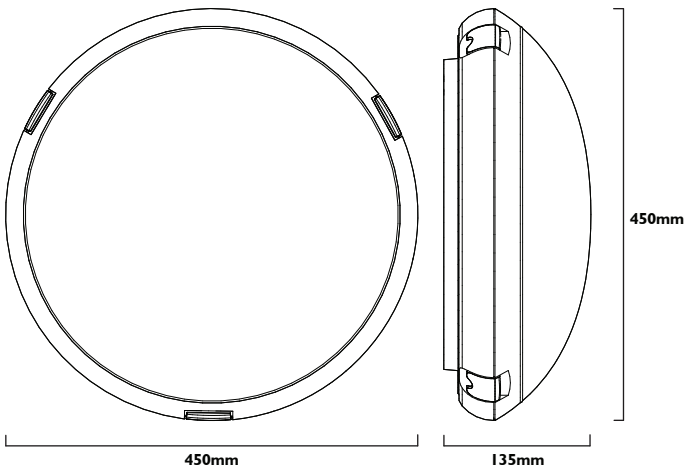
GENERAL				BATTERY	
Voltage	220~240V	Mounting type	Surface mount (wall and ceiling)	Battery type	LiFePO4
Frequency	50 Hz	Wiring	Hard wired	Battery voltage	6.4 V
Ambient temp.	0 - 40°C	Sensor max. output	400W max	Battery codes	01302 (350mm) 01303 (450mm)
Class	I	Lumens	1095 lm (350mm) 1682 lm (450mm)	Charger time	16 hours
Duration	1 / 2 / 3 / 4 / 8 hours (dependant on jumpers)			Charger operation	Smart
IP rating	IP65				

**CONSTRUCTION AND DIMENSIONS**

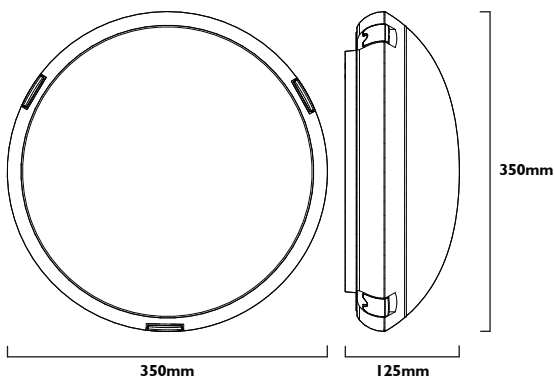
<b>BODY</b>	ABS	<b>NOTE:</b> For more information on the chemical resistance of our polycarbonate, please see the technical downloads page at <a href="http://ektor.com.au">ektor.com.au</a>
<b>DIFFUSER</b>	PC	
<b>GEAR TRAY</b>	Powder coated steel	

**PEARL CIRCULAR IP65 PRO**



**PEARL CIRCULAR IP65**



**ACCESSORIES**

CODE	ORDER CODE	DESCRIPTION
01302	EV-1500MAH-6.4V-LIFEP04	1500mAh 6.4V 2 cell LiFePO4 Battery
01303	EV-3000MAH-6.4V-LIFEP04	3000mAh 6.4V 2 Cell LiFePO4 Battery
11887	ZC-MW-BASIC	Microwave sensor 16m, internal kit Mains rated microwave sensor for mounting in enclosure, compact form factor

**TOTAL POWER CONSUMPTION (TPC)**

MODEL	LED WATTAGE	LAMP ON (MAINTAINED)		LAMP OFF (NON-MAINTAINED)	
		MAX.	AVG.	MAX.	AVG.
Pearl Circular IP65 emergency (01808)	15W	21W	18.15W	2.5W	<0.25W
Pearl Circular IP65 emergency with sensor (01812)	15W	22W	19.25W	3W	<0.75W
Pearl Circular IP65 Pro, emergency (01809)	25W	29W	26.75W	2.5W	<0.25W
Pearl Circular IP65 Pro, emergency with sensor (01813)	25W	30W	27.75W	3W	<0.75W

**EMERGENCY PERFORMANCE**

MODELS	HOUR	1	2	3	4	8	CB
Pro	Lamp power Australian classification	5W D40	5W D40	2.8W D25	1.7W D16	1.2W D10	3W D32
Standard	Lamp power Australian classification	2.7W D32	2.7W D32	1.6W D16	1.1W D10	0.5W D6.3	1.6W D16

**SPACING TABLE (DISTANCE BETWEEN FITTINGS)**

LUX	CLASSIFICATION	MOUNTING HEIGHT (M)															
		2.1	2.4	2.7	3	3.3	3.6	4	4.5	5	6	7	8	9	10	15	20
0.2	D6.3	8.6	8.8	9.0	9.1	9.2	9.2	9.2	9.0	8.7	7.7	5.7					
	D10	10.2	10.6	10.9	11.1	11.3	11.4	11.5	11.6	11.6	11.2	10.3	8.9	6.7			
	D16	12.1	12.6	13.0	13.3	13.6	13.9	14.1	14.6	14.6	14.6	14.4	13.8	12.9	11.5		
	D25	14.2	14.7	15.3	15.7	16.1	16.5	16.9	17.3	17.7	18.1	18.3	18.2	17.9	17.3	7.7	
	D32	15.4	16.1	16.7	17.2	17.6	18.0	18.5	19.1	19.5	20.2	20.6	20.7	20.6	20.3	14.6	
	D40	16.7	17.4	18.0	18.6	19.1	19.6	20.1	20.8	21.3	22.1	22.7	23.0	23.1	23.1	19.4	
0.5	D6.3	5.7	5.7	5.7	5.5	5.3	5.0	4.4	2.6								
	D10	7.1	7.2	7.2	7.2	7.2	7.1	6.8	6.4	5.7	2.2						
	D16	8.5	8.8	9.0	9.1	9.2	9.2	9.2	9.0	8.7	7.7	4.7					
	D25	10.1	10.5	10.8	11.0	11.2	11.3	11.4	11.5	11.5	11.1	10.2	8.6	5.2			
	D32	11.1	11.5	11.8	12.1	12.4	12.6	12.8	12.9	13.0	12.9	12.4	11.5	10.0	6.4		
	D40	12.0	12.5	12.9	13.2	13.5	13.8	14.0	14.3	14.5	14.5	14.3	13.7	12.8	11.4		
1	D6.3	3.9	3.7	3.3	2.4	1.5											
	D10	5.1	5.1	4.9	4.7	4.3	3.7	2.4									
	D16	6.4	6.5	6.5	6.4	6.3	6.1	5.7	5.0	3.2							
	D25	7.7	7.9	8.0	8.1	8.1	8.1	7.9	7.6	7.2	4.8	1.1					
	D32	8.5	8.8	9.0	9.1	9.2	9.2	9.2	9.0	8.7	7.7	4.7					
	D40	9.3	9.6	9.8	10.0	10.1	10.2	10.3	10.2	10.1	9.4	8.2	4.8				

Datasheet is subject to change without notice

Last updated: 12. July 2018\_V2.2