

CIRCULAR LED LUMINAIRE



Key Features

- Durable IP65-rated housing
- Multiple functions: Color Temperature adjustable
Microwave Motion Sensor
Emergency Lighting
- Easy Installation Application

Please read these instructions before installation and retain for the user/maintenance engineer for future reference.

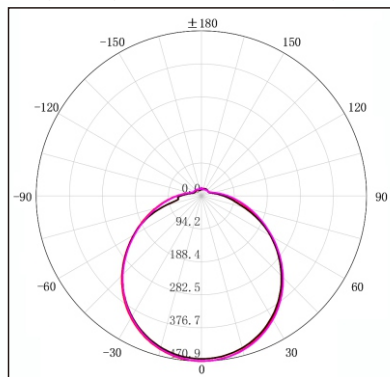
Technical / Electrical Characters (at TA-25°C)

Item No.:	ERCLEDACC	ERCLEDEC	ERCLEDSC	ERCLEDESC
Size:	Ø332x100mm	Ø332x100mm	Ø332x100mm	Ø332x100mm
Rated Power	18W	18W	18W	18W
Input Voltage:	100-253V AC	216-253V AC	216-253V AC	216-253V AC
Driver Output:	300mA 54V DC			
Light Source:	3030 SMD LED 36PCS			
Color Temperature:	4000K, 5000K, 6000K (Switch Selectable Control)			
Color Rendering Index:	CRI>80			
Luminous Flux:	1700-1800Lumen			
Microwave Sensor Function:	N/A	N/A	Detection Area / Hold Time / Day light Sensor adjustable	
Emergency Duration:	N/A	3 Hours	N/A	3 Hours
IP Range:	IP65			
Housing Materials:	ABS Basement + PC Cover			
Lifespan:	30,000Hrs			
Lumen Maintenance @6,000Hrs	90%			
Switch Cycle Before failure:	100,000 times			
Temperature:	Operation :-10°C~+60°C Storage:-25°C~+60°C			

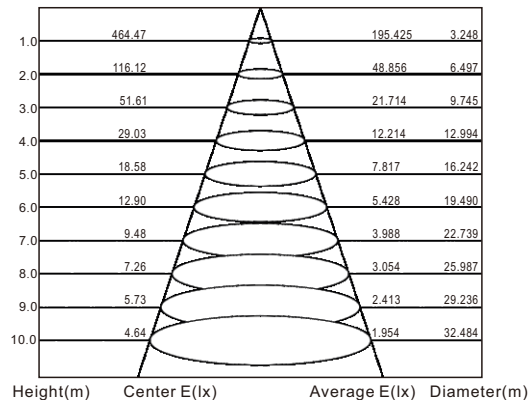


Lighting Distribution Curve

Lighting Distribution Diagram



Illuminance-Distance Curve



IMPORTANT NOTE:

- The luminaire must be installed by a skilled electrician and to the most current electrical wiring and building regulations
- This product **MUST NOT** be subject to an electrical insulation test (500/1000v) which will not be covered by the warranty
- This luminaire is NOT suitable to be used with dimmer switches
- This product should not be modified in any way, if modified this will invalidate any warranties and Lightsafe will not be liable for any damages caused
- The person carrying out the installation is to check and verify that the total load on the circuit, including the rating of the cable, fuse and/or circuit breaker is not exceeded
- It is the responsibility of the installer to consider any fire risks and breach in any fire protection barriers or partitions, and take the appropriate precautions
- Emergency lighting should be installed and maintained in accordance with BS5266 and BS EN50172.

TESTING (Emergency model only)

Ensure the luminaires are tested in accordance with 5266-8 / BS EN 50172

Daily: Ensure the green charge LED is illuminated on each luminaire

Monthly: Simulate a mains power supply failure, for a period of time sufficient to ensure that each lamp is illuminated and then recorded in the log book

Annually: Similar test to a monthly but the full emergency duration of the luminaire should be tested.

Defects: Any defects should be noted and recorded in the log book and actioned by a competent person as soon as possible

INSTALLATION / TEST RECORDS: Please refer to diagram at page 4

MICRO WAVE ON/OFF FUNCTION(ERCLEDSC/ERCLEDESC only)

There is an internal microwave sensor inside the luminaire that will operate the fitting automatically. The sensor emits a high-frequency electromagnetic wave (5.8GHz) and receives an echo. The sensor detects any changes in the returned echo, even the slightest movement in its detection zone will operate the light. Microwave sensors are less affected by temperature and airflow, but are able to penetrate non-metallic materials such as wood, brick wall, glass, etc., but cannot penetrate metal. The range of the detector should be tested to minimize the external areas do not activate the luminaire.



With sufficient light, the lamp doesn't switch on.

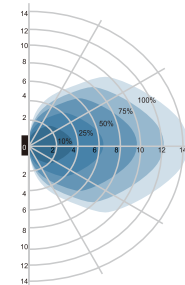


With insufficient ambient light, the sensor switches on the lamp when motion is detected.

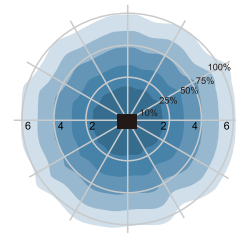


After hold time, the sensor switches off the lamp when no motion is detected.

Detection Pattern



Wall mounting pattern (Unit:m)
Suggested installation height: 1.5m



Ceiling mounting pattern (Unit:m)
Suggested installation height: 3m

Motion Sensor Setting

	1	2	3
I	ON	ON	100%
II	-	ON	75%
III	ON	-	50%
IV	-	ON	25%
V	-	-	10%

Detection Area Range

Detection area can be reduced by selecting the combination on the DIPswitches to fit precisely each application.

	7	8	9
I	ON	ON	15lux
II	ON	ON	50lux
III	ON	ON	100lux
IV	ON	ON	150lux
V	-	-	Disable

Daylight Sensor

The sensor can be set to only allow the lamp to illuminate below a defined brightness threshold. When set to Disable mode, the daylight sensor will switch on the lamp when motion is detected regardless of the ambient light level. outdoor usage, 150lux, 100lux, 50lux: twilight operation; 15lux: darkness operation only.

Hold Time

Refers to the time period the lamp remains at 100% Illumination after no motion detected.

	4	5	6
I	ON	ON	5s
II	-	ON	30s
III	ON	-	90s
IV	-	ON	3min
V	ON	ON	10min
VI	-	-	20min

