

# RadiaLED® Utility Range

Installation instructions for RadiaLED® Utility Bulkhead

## WARNINGS AND CAUTIONS

- To avoid electric shock ⚠ or serious injury or property damage, isolate power before installing, removing or servicing the product
- It is recommended that this product is installed by an electrician or a competent person with sufficient experience to install this product
- To be installed in accordance with the local current wiring regulations and standards
- Any broken or damaged parts should be replaced as soon as possible



- JCC will not accept responsibility for claims arising from sub-standard installations; which will void the warranty
- Ensure that you have the tools and accessories required to complete the installation correctly
- This luminaire is suitable for indoor use or exterior use, wall or ceiling mounting
- Do not install in areas that are near to continual running water
- Do not carry out insulation tests with this product connected to the circuit
- It may be necessary to uprate your MCBs to allow for increased inrush current

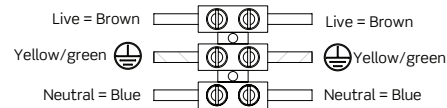
## INSTALLATION INSTRUCTIONS

ENGLISH

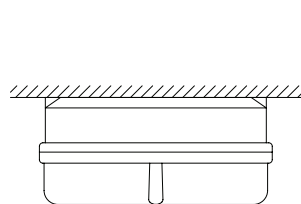
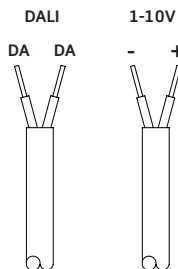
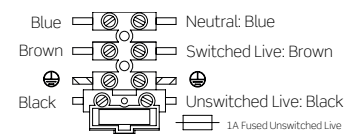
Mains supply Input : 220-240V~ 50/60Hz Class 1 ⚡

Fig. 1

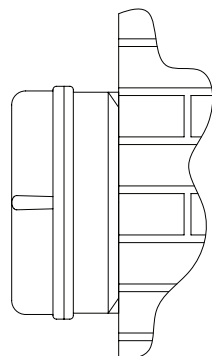
### Standard versions



### Emergency versions



Ceiling applications ✓



Wall applications ✓

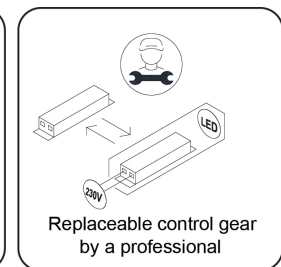
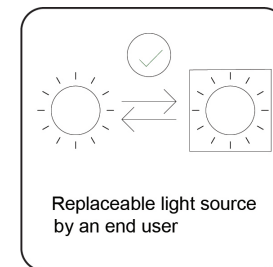
Wattage	CCT	CRI:Ra	Lumens	LpcW
12W	4000K	80	700*/1150**	58*/96**
21W	4000K	80	1350*/2000**	64*/95**

Diffuser: Opal (WOP)\* or Prismatic (WPR)\*\*

## Installation

Ensure the fixing surface is flat and even. Use adequate fixings with regard to type of surface.

- Remove diffuser from luminaire by loosening the three securing screws.
- All termination points are under the LED tray and this can be removed by loosening the locating screws and rotating the tray until keyhole slots allow removal.
- Ensure incoming cables are weather protected.
- Pass intended supply wires through grommet or CTS gland.
- Fix base in desired location, taking care to avoid pipes and cables that may be hidden.
- Make connections and connect dimming controls as required for DALI/1-10V versions (Fig.1).
- Re-attach LED tray to mounts and tighten screws.
- Replace diffuser and tighten screws evenly.
- Switch on mains.




CE UK CA IP65 jcc.co.uk V3\_Jun\_2022\_RS

Sensor data can be set using DIP switches on the sensor. The settings are as follows:

### Microwave On/Off operation and settings


I: Up to 8m  
 II: Up to 6m  
 III: Up to 4m  
 VI: Up to 3m  
 V: Up to 2m

#### Detection Area

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

Note that reducing detection area will also reduce sensitivity.


#### Hold Time

On ↑ 		1	2	3	
	I	On	On	On	5s
	II	-	On	On	30s
	III	On	-	On	90s
	IV	-	-	On	3min
	V	On	On	-	20min
VI	-	-	-	30min	

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

I: Disable\*  
 II: 50lux  
 (twilight operation only)  
 III: 30lux  
 (twilight operation only)  
 IV: 10lux  
 (darkness operation only)  
 V: 5lux  
 (darkness operation only)

#### Daylight Sensor


On ↑ 		1	2	3	
	I	On	On	On	Disable
	II	On	On	-	50lux
	III	-	On	-	30lux
	IV	On	-	-	10lux
	V	-	-	-	5lux

The sensor can be set to only allow the lamp to illuminate below a defined ambient brightness threshold.

\*When set to Disable mode, the daylight sensor will switch on the lamp when motion is detected regardless of ambient light level.

### Microwave Step Dim operation and settings - 12W version only


#### Detection Area

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

I: Up to 8m  
 II: Up to 6m  
 III: Up to 4m  
 VI: Up to 3m  
 V: Up to 2m


Note that reducing detection area will also reduce sensitivity.

#### Hold Time

On ↑ 		1	2	3	
	I	On	On	On	5s
	II	-	On	On	30s
	III	On	-	On	90s
	IV	-	-	On	3min
	V	On	On	-	20min
VI	-	-	-	30min	


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

#### Standby Period

On ↑ 		1	2	3	
	I	On	On	On	Disable*
	II	-	On	On	1hr
	III	On	-	On	30min
	IV	-	-	On	10min
	V	On	On	-	5min
VI	-	-	-	5sec	


Refers to the time period the lamp remains at a low light level before it completely switches off in the long absence of people.

#### Standby Dimming Level

On ↑ 		1	2	3	
	I	On	On	On	50%
	II	-	On	On	40%
	III	On	-	On	30%
	IV	On	On	-	20%
	V	-	-	-	10%

Refers to the low light level you would like to have after the hold time in the long absence of people.

#### Daylight Sensor


On ↑ 		1	2	3	
	I	On	On	On	Disable
	II	On	On	-	50lux
	III	-	On	-	30lux
	IV	On	-	-	10lux
	V	-	-	-	5lux

The sensor can be set to only allow the lamp to illuminate below a defined ambient brightness threshold.

\*When set to Disable mode, the daylight sensor will switch on the lamp when motion is detected regardless of ambient light level.


## Microwave Step Dim operation and settings - 21W version only

### Detection Area

		1	2	
	I	On	On	100%
	II	-	On	75%
	III	On	-	50%
	IV	-	-	10%


Ø16m x 6m High max  
Detection area can be reduced by selecting the combination on the DIP switches to fit precisely each application.

### Hold Time

		3	4	
	I	On	On	5s
	II	-	On	90s
	III	On	-	3min
	IV	-	-	10min

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

### Corridor function (Stand-by period)


		7	8	
	I	On	On	0s
	II	-	On	30s
	III	On	-	10min
	IV	-	-	+∞

Refers to the time period the lamp remains at a low light level before it completely switches off in the long absence of any occupancy. When set to "+∞", the low light is maintained until motion is detected -Step Dim Function. When set to "0s", the light will turn off after hold time.

### Stand-by DIM Level

This is pre-set at 20% and not adjustable

### Daylight Sensor

		5	6	
	I	On	On	Disable
	II	-	On	50Lux
	III	On	-	15Lux
	IV	-	-	5Lux


The sensor can be set to only allow the lamp to illuminate below a defined ambient brightness threshold. When set to Disable mode, the daylight sensor will switch on the lamp when motion is detected regardless of ambient light level. 50lux: twilight operation, 15lux, 5lux: darkness operation only.

## Photocell operation and settings

When ambient light level is below the "On" lux level selected, the sensor automatically switches on the luminaire at 100% brightness.

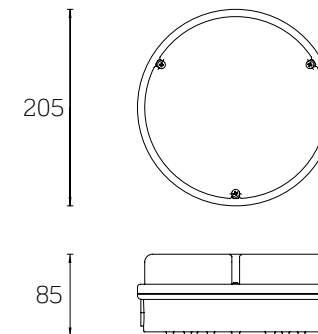
When ambient light level is higher than the "Off" lux level selected, the sensor automatically switches off the luminaire.

When set to disable, the sensor does not work.

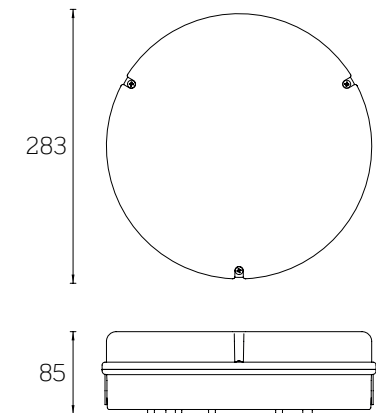
		1	2	3	4	On@	Off@
	I	On	On	On	On	5Lux	25Lux
	II	On	On	On	-	10Lux	50Lux
	III	On	On	-	On	25Lux	75Lux
	IV	On	On	-	-	50Lux	100Lux
	V	On	-	On	-	100Lux	200Lux
	VI	On	-	-	-	150Lux	300Lux
	VII	-	On	-	-	200Lux	400Lux
	VIII	-	-	-	-	Disable	

## Profile & Dimensions

### 12W



### 21W



All dimensions in millimetres

BS EN ISO9001 - 2015 - Registered Firm Certificate No. GB 1552

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