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

- a LEVITON company
- 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

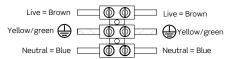
INSTALLATION INSTRUCTIONS

ENGLISH

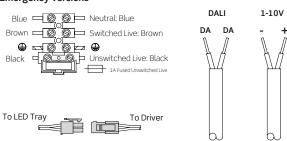
Mains supply Input: 220-240V~ 50/60Hz Class 1 ⊕

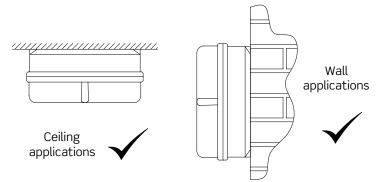
Fig. 1

Standard versions



Emergency versions





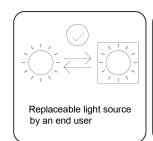
Wattage	ССТ	CRI:Ra	Lumens	LpcW		
12W	4000K	80	700*/1150**	58*/96**		
21W	4000K	80	1350*/2000**	64*/95**		

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

Installation

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

- 1. Remove diffuser from luminaire by loosening the three securing screws.
- 2. 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.
- 3. Ensure incoming cables are weather protected.
- 4. Pass intended supply wires through grommet or CTS gland.
- 5. Fix base in desired location, taking care to avoid pipes and cables that may be hidden.
- 6. Make connections and connect dimming controls as required for DALI/1-10V versions (Fig.1).
- 7. Re-attach LED tray to mounts and tighten screws.
- 8. Replace diffuser and tighten screws evenly.
- 9 Switch on mains







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 3 On On On On 100% Ш 75% On On III 50% On On IV On 25% V 10%

Note that reducing detection area will also reduce sensitivity.

Hold Time

		1	2	3	
	1	On	On	On	5s
On	П	-	On	On	30s
1	Ш	On	-	On	90s
	IV	-	-	On	3min
Ш	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

05		1	2	3	
On	1	On	On	On	Disable
	П	On	On	-	50lux
	Ш	-	On	-	30lux
Ш	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

1 2 3 On On On On 100% 75% Ш On _ On 50% Ш On On ΙV 25% On V 10%

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

I: Up to 8m

Note that reducing detection area will also reduce sensitivity.

Hold Time

		1	2	3	
	1	On	On	On	5s
On	Ш	-	On	On	30s
1	III	On	-	On	90s
	IV	-	-	On	3min
	V	On	On	-	20min
	VI	-	-	-	30min

Refers to the time period the lamp Refers to the time period the lamp Refers to the low light level you no motion detected.

Standby Period

		1	2	3	
	1	On	On	On	Disable*
On	П	-	On	On	1hr
1	Ш	On	-	On	30min
	IV		-	On	10min
Ш	V	On	On	-	5min
	VI	-	ı	ı	5sec

absense of people.

Standby Dimming Level

On		1	2	3	
↑	1	On	On	On	50%
	II	-	On	On	40%
	Ш	On	-	On	30%
	IV	On	On	-	20%
	V	-	-	_	10%

Daylight Sensor

	On		1	2	3	
	OII	I	On	On	On	Disable
1		II On		On	-	50lux
1				On -		30lux
1	Ш	IV	On	-	-	10lux
1		V	-	-	-	5lux

remains at 100% illumination after remains at a low light level before it would like to have after the hold completely switches off in the long time in the long absense of people.

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

On 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

0		3	4	
On	I	On	On	5s
1	Ш	-	On	90s
	III	On	-	3min
Ш	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	
On	1	On	On	0s
<u> </u>	Ш	-	On	30s
	III	On	-	10mir
Ш	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 "+•O", the low light is maintained until motion is detected -Step Dim Function. When set to "Os", 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	
On	1	On	On	Disable
<u> </u>	П	-	On	50Lux
	Ш	On	-	15Lux
Ш	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.

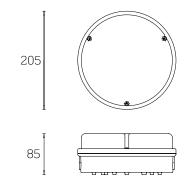
When ambient light level is higher than the "Off" lux level selected, the sensor automatically switches off the luminaire.

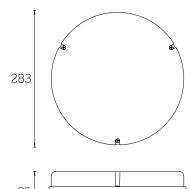
When set to disable, the sensor does not work.

		1	2	3	4	On@	Off@
	I	On	On	On	On	5Lux	25Lux
	Ш	On	On	On	-	10Lux	50Lux
On	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	-	-	-	-	Disa	able

Profile & Dimensions







21W

All dimensions in millimetres

Emergency range routine inspection and test

All tests must be undertaken at times of least risk and in accordance with EN 50172:2004 as indicated below:

Weekly: Indicators of central power supply shall be visually inspected for correct operation.

Monthly: (in addition to the daily check) If automatic testing devices are used, the results of the short duration tests shall be recorded. Test shall be carried out as follows:

- a) Switch the luminaire over to emergency mode to operate from the batteries by simulating a failure of supply to the normal lighting for a period sufficient to ensure correct luminaire operation
- NOTE: The period of simulation failure should be sufficient for the purpose of this clause whilst minimising damage to the system components e.g lamps. During this period, all luminaires and signs shall be checked to ensure that they are present, clean and functioning correctly. At the end of this test period, the supply to the normal lighting should berestored and any indicator lamp or device should be checked to ensure that is showing that the normal supply has been restored.

Annually: If automatic testing devices are used, the results of the short duration tests shall be recorded. For all other systems the monthly inspection shall be carried out and the following additional tests made:

- a) Each luminaire and internally illuminated sign shall be tested monthly as above but for its full duration in accordance with the manufacturer's information.
- b) The normal supply for the luminaire should be restored and any charge indicator lamp or device should be checked to ensure that it shows the normal supply has been restored. The charging arrangements should be checked for proper functioning.
- c) The date of the test and its results shall be recorded in the system logbook.

A copy of this report must accompany any fitting returned to the manufacturer for any reason.

General Information

Our products are designed to comply with the requirements of UK law and the relevant industry national and international standards and should not be modified in any way. All emergency lighting systems should comply with the recommendations of BS5266-1: Code of Practice for the Emergency Lighting of Premises and be installed by competent engineers in accordance with the relevant wiring regulations. Before installing any type of Emergency Lighting always seek the advice and approval of the local Fire Prevention Officer (or equivalent authority).

Maintenance

Failed or faulty light sources connected to this equipment should be replaced immediately. These units are designed especially for a long and trouble free life. Under normal conditions, will require no routine maintenance or service beyond the inspection and test regime of BS5266-1. Both mains supply and battery protection fusing is incorporated internally. Should access to these or any other part of the circuitry be required this must be undertaken only by suitably qualified person. Special care must be taken when removing the cover to circuitry and battery. Only replacement components authorised by the company must be used. Disposal of replaced components should be in accordance with the component manufacturers instructions.

You can help protect the environment. Please remember to respect the local regulations: hand in the non-working electrical equipment to an appropriate waste disposal centre. The packaging material is recyclable. Dispose of the packaging in an environmentally friendly manner and make it available for the recyclable material collection service.

Important warranty information

This product is supported by a 2-year standard warranty which will extend to 5-years if registered within the first year of purchase. (2 year on batteries). Please register at jcc.co.uk/warranty (Terms and conditions apply).

The installer will be asked to provide the following information, which is detailed on a label attached to the luminaire's chassis: Product Code/Date Code.

Emergency test record sheet

Month	Test Type	pe First Year Second Year		d Year	Third Year		Fourth Year		Fifth Year		
		Sign	Date	Sign	Date	Sign	Date	Sign	Date	Sign	Date
January	Functional										
February	Functional										
March	Functional										
April	Functional										
May	Functional										
June	Functional										
July	Functional										
August	Functional										
September	Functional										
October	Functional										
November	Functional										
December	3 hour										