

Commercial Linear Range

Installation instructions for Commercial Linear

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
- The ambient room temperature should not exceed 25°C
- This luminaire is suitable for indoor use only; this product is IP20
- Isolate power before changing Wattage
- Isolate power before selecting colour temperature

INSTALLATION INSTRUCTIONS

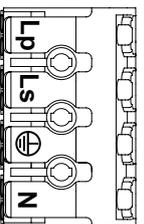
ENGLISH

Read instructions and check that you have all of the tools and accessories required to complete the installation correctly. Isolate power supply before starting the installation.

Mains input connection

220-240V 50/60Hz / Class I 

Lp = Live permanent
Ls = Live switched
 = Earth
N = Neutral



Wire preparation: 0.5-2.5mm  8mm

Wire the mains input supply to the terminal block as per the diagram shown above. (Ls) Switched Live,  earth and (N) neutral (Lp) Live permanent. (EM versions only). Power up fitting to ensure that it is functioning correctly.

DALI Dimming connection

DA DA

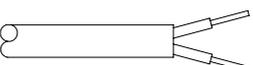


fig.1.

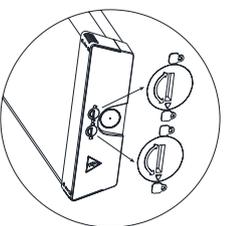


fig.2.

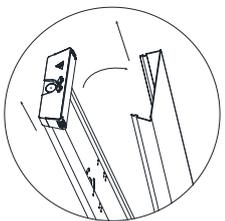


fig.3.

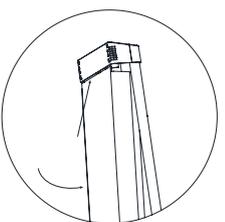


fig.4.

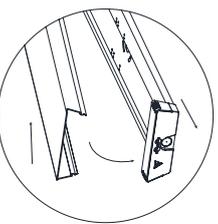
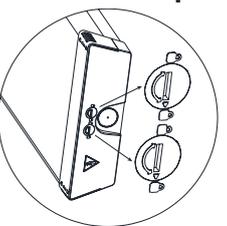
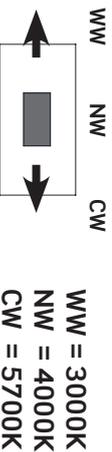


fig.5.



ALWAYS ISOLATE POWER BEFORE CHANGING COLOUR TEMPERATURE OR WATTAGE



WW = 3000K
NW = 4000K
CW = 5700K

SELECT PREFERRED POWER SETTING USING THE TABLES BELOW

NON-DIMMABLE WATTAGE SETTINGS

4ft variants

POWER SELECTION SETTINGS			POWER SELECTION SETTINGS			
ADJUST DIP SWITCHES AS BELOW			ADJUST DIP SWITCHES AS BELOW			
WATTAGE	1	2	3	1	2	3
22W	245mA ON	ON	ON	30W	260mA ON	ON
25W	280mA ON	ON	ON	32W	280mA ON	ON
28W	315mA ON	ON	ON	34W	300mA ON	ON
31W	350mA ON	ON	ON	36W	320mA ON	ON

5ft variants

DALI POWER SELECTION SETTINGS			DALI POWER SELECTION SETTINGS					
ADJUST DIP SWITCHES AS BELOW			ADJUST DIP SWITCHES AS BELOW					
WATTAGE	1	2	3	4	1	2	3	4
22W	240mA ON	ON	ON	ON	30W	260mA ON	ON	ON
25W	280mA ON	ON	ON	ON	32W	280mA ON	ON	ON
28W	320mA ON	ON	ON	ON	34W	300mA ON	ON	ON
31W	360mA ON	ON	ON	ON	36W	320mA ON	ON	ON

DALI WATTAGE SETTINGS

4ft variants

DALI POWER SELECTION SETTINGS			DALI POWER SELECTION SETTINGS					
ADJUST DIP SWITCHES AS BELOW			ADJUST DIP SWITCHES AS BELOW					
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25W	280mA ON	ON	ON	ON	32W	280mA ON	ON	ON
28W	320mA ON	ON	ON	ON	34W	300mA ON	ON	ON
31W	360mA ON	ON	ON	ON	36W	320mA ON	ON	ON

5ft variants

- Rotate the two security locks on the one end of the fitting to release the end cap shown in fig.1.
- The end caps are sprung loaded, pull the end cap away from the body to access the diffuser. Once you can access the diffuser lift up and out of the fitting by pulling out of the opposite end cap as shown in fig.2.
- Using the main body as a template mark and drill mounting holes in the ceiling in a suitable location.
- Feed mains input cable through cable entry on the base of the unit. Secure luminaire to the ceiling and terminate the mains supply for standard or emergency version as indicated to the left and connect DALI dimming controls where required.
- Refit the diffuser by sliding the end of inside of the locked end cap as shown in fig.3.
- Pull the unlocked end cap away from the body and lay the diffuser into the body, release the end cap to secure the diffuser as shown in fig.4.
- Rotate the the security locks to secure the end cap in place shown in fig.5.
- Turn on power supply and check for correct operation.

Microwave On/Off operation and settings

- I: Up to 6m
- II: Up to 4.5m
- III: Up to 3m
- VI: Up to 1.5m

Detection Area

On	1	2	
I	On	On	100%
II	-	On	75%
III	On	-	50%
IV	-	-	25%

Note that reducing detection area will also reduce sensitivity.

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

Hold Time

On	3	4	5	
I	On	On	On	5s
II	On	On	-	30s
III	On	-	On	1m
IV	On	-	-	3min
V	-	On	On	5min
VI	-	On	-	10min
VII	-	-	On	20min
VIII	-	-	-	30min

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

Daylight Sensor

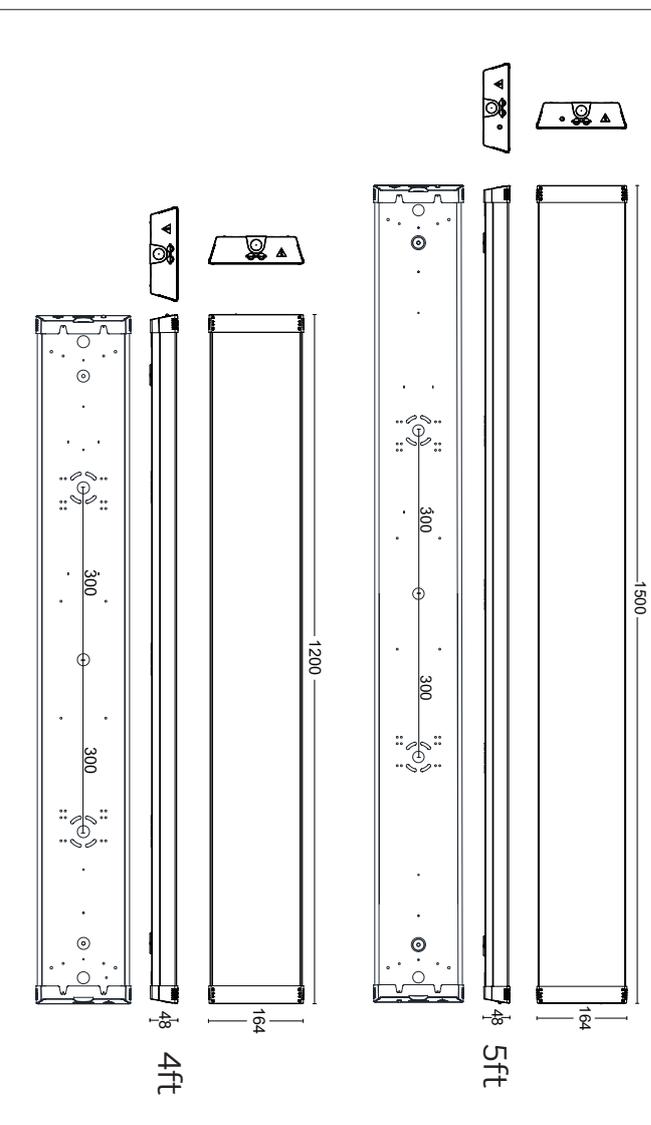
On	6	7	8	
I	On	On	On	2lux
II	On	On	-	10lux
III	-	On	-	25lux
IV	On	-	-	50lux
V	-	-	-	Disable

- I: 2lux (darkness operation only)
- II: 10lux (darkness operation only)
- III: 25lux (twilight operation only)
- IV: 50lux (twilight operation only)
- V: Disable*

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.

Profile & Dimensions

All dimensions in millimetres



Override function

Quick switch ON/OFF 3 times within 2sec to override sensor function. Lights will switch on all the time. Power off and on again to recover sensor function.

Commissioning

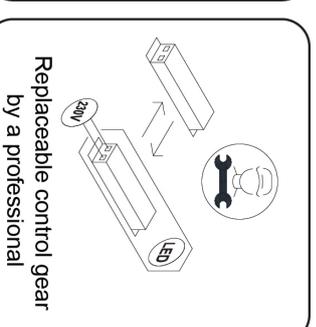
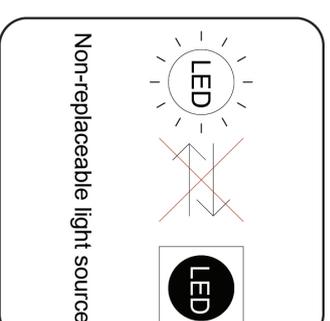
After power on, the sensor automatically turns on light at 100% brightness. After 10sec, it turns off the light.

During the initialization, the sensor is not able to detect movement.

Factory settings

Detection Area: 100%, Hold Time: 5S, Daylight Sensor: Disable

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.



Note:
Lumens and Lpcw stated below is for
products set to 4000K CCT



QUICK REFERENCE GUIDE

ENGLISH

Code	Type	Wattage Options	Lumens	Lpcw	CCT Options	Cri:Ra	Dimmable	ST Emergency	M/W on/off
JC030031	4ft UGR	22W/25W/28W/31W	2860/3300/3650/4020	130/132/130/130	3000/4000/5700K	82/86/83	No	No	No
JC030032	4ft UGR	24W/27W/30W/33W	2860/3300/3650/4020	119/122/121/121	3000/4000/5700K	82/86/83	No	Yes	No
JC030033	4ft UGR	22W/25W/28W/31W	2860/3300/3650/4020	130/132/130/130	3000/4000/5700K	82/86/83	DAI	No	No
JC030034	4ft UGR	24W/27W/30W/33W	2860/3300/3650/4020	119/122/121/121	3000/4000/5700K	82/86/83	DAI	Yes	No
JC030037	4ft UGR	22W/25W/28W/31W	2860/3300/3650/4020	130/132/130/130	3000/4000/5700K	82/86/83	No	No	Yes
JC030038	4ft UGR	24W/27W/30W/33W	2860/3300/3650/4020	119/122/121/121	3000/4000/5700K	82/87/84	No	Yes	Yes
JC030041	5ft UGR	30W/32W/34W/36W	4030/4350/4690/4980	134/136/138/138	3000/4000/5700K	82/87/84	No	No	No
JC030042	5ft UGR	32W/34W/36W/38W	4030/4350/4690/4980	125/128/130/131	3000/4000/5700K	82/87/84	No	Yes	No
JC030043	5ft UGR	30W/32W/34W/36W	4030/4350/4690/4980	134/136/138/138	3000/4000/5700K	82/87/84	DAI	No	No
JC030044	5ft UGR	32W/34W/36W/38W	4030/4350/4690/4980	125/128/130/131	3000/4000/5700K	82/87/84	DAI	Yes	No
JC030047	5ft UGR	30W/32W/34W/36W	4030/4350/4690/4980	134/136/138/138	3000/4000/5700K	82/87/84	No	No	Yes
JC030048	5ft UGR	32W/34W/36W/38W	4030/4350/4690/4980	125/128/130/131	3000/4000/5700K	82/87/84	No	Yes	Yes
JC030051	4ft Non UGR	22W/25W/28W/31W	3270/3750/4140/4630	149/150/148/149	4000K	87	No	No	No
JC030052	4ft Non UGR	24W/27W/30W/33W	3270/3750/4140/4630	136/138/138/140	4000K	87	No	Yes	No
JC030053	4ft Non UGR	22W/25W/28W/31W	3270/3750/4140/4630	149/150/148/149	4000K	87	DAI	No	No
JC030054	4ft Non UGR	24W/27W/30W/33W	3270/3750/4140/4630	136/138/138/140	4000K	87	DAI	Yes	No
JC030057	4ft Non UGR	22W/25W/28W/31W	3270/3750/4140/4630	149/150/148/149	4000K	87	No	No	Yes
JC030058	4ft Non UGR	24W/27W/30W/33W	3270/3750/4140/4630	136/138/138/140	4000K	87	No	Yes	Yes
JC030061	5ft Non UGR	30W/32W/34W/36W	4550/4870/5200/5260	152/152/153/156	4000K	87	No	No	No
JC030062	5ft Non UGR	32W/34W/36W/38W	4550/4870/5200/5260	142/143/144/138	4000K	87	No	Yes	No
JC030063	5ft Non UGR	30W/32W/34W/36W	4550/4870/5200/5260	152/152/153/156	4000K	87	DAI	No	No
JC030064	5ft Non UGR	32W/34W/36W/38W	4550/4870/5200/5260	142/143/144/138	4000K	87	DAI	Yes	No
JC030067	5ft Non UGR	30W/32W/34W/36W	4550/4870/5200/5260	152/152/153/156	4000K	87	No	No	Yes
JC030068	5ft Non UGR	32W/34W/36W/38W	4550/4870/5200/5260	142/143/144/138	4000K	87	No	Yes	Yes

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:

Daily: 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 be restored 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:

- Each luminaire and internally illuminated sign shall be tested monthly as above but for its full duration in accordance with the manufacturer's information.
- 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.
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 manufacturer's instructions.

Emergency Charge Indicator

Fault/Test/Status	Reason	Indicator Status
Battery charged	Normal operation	Solid green
Battery charging	Initial charge/top up	Green light flashes slow, 3 secs on/1 sec off
Auto test - 10 seconds	30 day test	Green light flashes fast, 0.1 sec on/0.1 sec off
Auto test 180 mins	Duration test (Every 180 days)	Green light flashes slow, 1 sec on/one sec off
Load failure	Open circuit/short circuit-LED failure (emergency mode)	Solid red
Battery fault	Battery failed the duration or function test	Red light flashes slow, 1 sec on/1 sec off
DC mode	Battery operation(emergency mode)	No indicator light

Month	Test Type	First Year		Second 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										

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. (5 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.

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

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