Date	Revision
05.05.26	4

Installation Instructions: Arial Multi Backlit LED Panel (11740-44/11756-60/11780-84)

Important Information

We recommend that luminaires are installed by a qualified electrician ensuring the installation complies with current IEE wiring regulations & local building control.

- On emergency fittings, all tests should be carried out in accordance with current emergency lighting regulations.
- BELL Lighting will not accept responsibility for any claims arising from poor installation.
- The operating temperature should be between -20°C and 35°C, and 0°C to 35°C for emergency fittings.
- Always switch off mains supply before installing.
- Upgrading of MCB may be necessary.
- Mount to a stable, secure surface that is rated for the weight of the luminaire.
- Ensure driver strain relief is fully applied when installing cables.
- Do not cover with insulation, ensure there is adequate free air ventilation around the fitting.
- Not suitable for ATEX hazardous zones (explosive atmospheres).
- Indoor use only.
- To ensure optimum performance, keep the front diffuser clean. Wipe with a soft, damp lint free cloth. Do not use soaps, detergents, solvents or abrasive materials.
- On emergency versions, only use battery as supplied.
- On emergency versions, allow the battery to fully charge for 24 hours before performing the initial discharge test.
- If the lighting fails within 3 hours of an emergency discharge test, the battery is to be replaced. Contact your local distributor for a suitable replacement.
- Not intended for use by children.
- The light source of this luminaire is not replaceable, when the light source reaches end of life, the whole luminaire must be replaced.

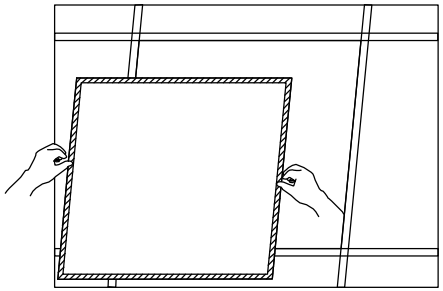
This product may contain substances that can be hazardous to the environment if not disposed of properly. Electrical and electronic equipment should never be disposed of with general household waste but must be separated for its correct treatment and recovery.
Where possible recycle your packaging.

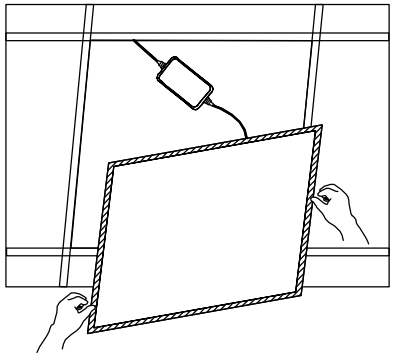
Read these instructions before installation and retain for future reference

This equipment should be installed by a competent electrician

This luminaire contains a light source of energy rating E

Recessed



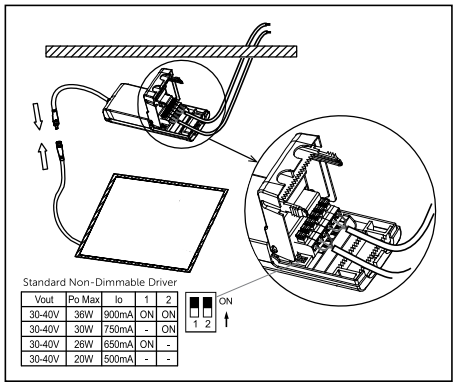


Step 1: Remove the ceiling tile

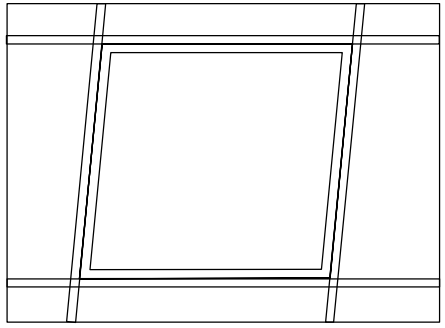
Step 2: Connect the Mains AC L&N into the driver terminal block, and connect the panel to the driver

Step 3: Fix the panel into the ceiling grid

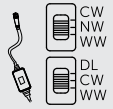
Step 4: Ensure the panel is secure and turn on the power



Vout	Po Max	Io	1	2
30-40V	36W	900mA	ON	ON
30-40V	30W	750mA	-	ON
30-40V	26W	650mA	ON	-
30-40V	20W	500mA	-	-



For color changeable model (controlled by Slide Switch in lamp), please select light color before installation, see image to the right
Choose color by slide switch with corresponding color temperature.



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Emergency Product Specification (11742/11758/11781)
Selectable Self-Test/Manual Test Emegency Function

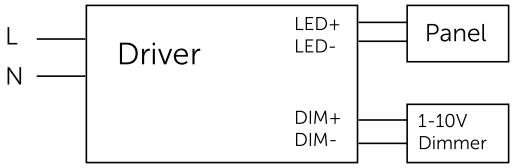
Emergency Product Specification	
Dimensions	340x116x44mm
Mains Voltage	220-240VAC
Mains Frequency	50-60Hz
Emergency Duration	3 Hours
Battery Type	LiFePO4 6.4V 4Ah
Emergency Power Output	3.4W
Emergency Power Voltage	9-55V DC
Protection Class	Class I
Charging Time	24 Hours
Ingress Protection Type	IP20

This product is factory pre-set to operate in **STANDARD MANUAL TEST** mode, with the selector switch set to position **ON**.
For **SELF-TEST** operation mode, move the switch to the right in position 1 before installation.
The selector switch is located on the emergency convertor inside the emergency pack.

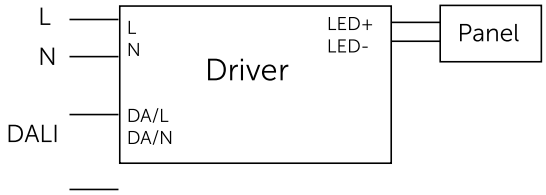
Emergency Product Specification (11741/11757)
Manual Test Only Emergency Function

Emergency Product Specification	
Dimensions	265x100x45mm
Mains Voltage	220-240VAC
Mains Frequency	50-60Hz
Emergency Duration	3 Hours
Battery Type	LiFePO4 3.2V 4.4Ah
Emergency Power Output	3.5W
Emergency Power Voltage	20-55V DC
Protection Class	Class II
Charging Time	24 Hours
Ingress Protection Type	IP20

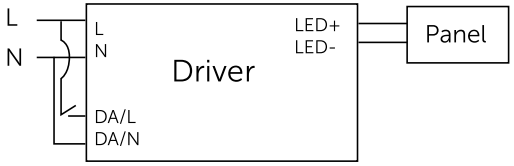
Wiring diagram for 1-10V Dimming



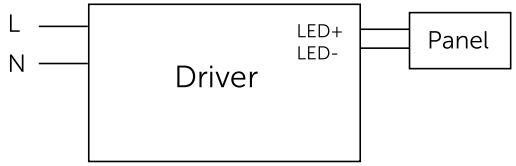
Wiring diagram for DALI Dimming



Wiring diagram for Push/Switch Dimming



Wiring diagram for standard non-dimmable driver



Wiring diagram for emergency panel

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Testing and Commissioning

- Ensure the Load is connected
- Connect the battery
- Switch on the Unswitched Supply - Check the Charge LED illuminates
- Switch on the Maintained Supply - Check the LED illuminates as normal
- Switch off the Maintained Supply
- Switch off the Unswitched Supply - Check the Charge LED extinguishes and the load LED illuminates at a reduced output
- Enter the commissioning date on the Battery Pack. Switch on the Unswitched Supply

Luminaire Ref/Location _____			**In Case of difficulty, contact the Installation Engineers:-** _____ Tel: _____							
Full Recharge Time 24 Hours			**Duration 3 Hours**				**Lamp Type - LED**			
ROUTINE TEST RECORD										
	Year 1		**Year 2**		**Year 3**		**Year 4**		**Year 5**	
Monthly Test	**Signed**	**Date**	**Signed**	**Date**	**Signed**	**Date**	**Signed**	**Date**	**Signed**	**Date**
Functional										
Functional										
Functional										
Functional										
Functional										
Functional										
Functional										
Functional										
Functional										
Functional										
Functional										
Three Hour										

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