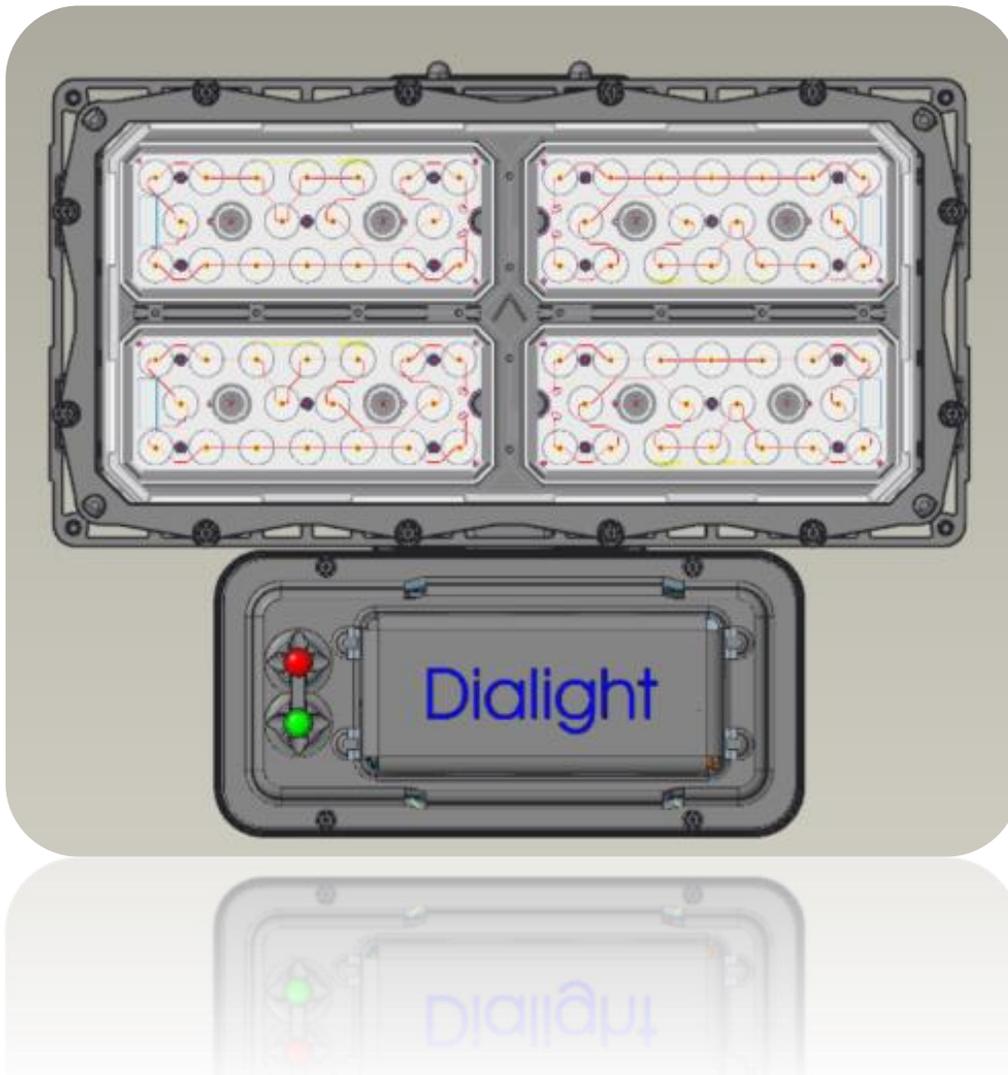


Important Information

These instructions contain safety information; read and follow them carefully. Dialight will not accept any responsibility for injury, damage, or loss, which may occur due to incorrect installation, operation, or maintenance.

Operation/Installation Instructions



Note: Save these instructions for future use

Note: These instructions are for Battery Backup specific case only. For general Floodlight information, see supplemental instruction sheet.

WARNING: To avoid fire and electrical shock, turn off the power at circuit breaker or fuse and test that the power is off before wiring.

IMPORTANT SAFEGUARDS

When using electrical equipment, basic safety precautions should always be followed including the following:

- a) READ AND FOLLOW ALL SAFETY INSTRUCTIONS.
- b) Do not let power supply cords touch hot surfaces.
- c) Do not mount near gas or electric heaters.
- d) Use caution when servicing batteries.
- e) Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
- f) The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
- g) Do not use this equipment for other than intended use.

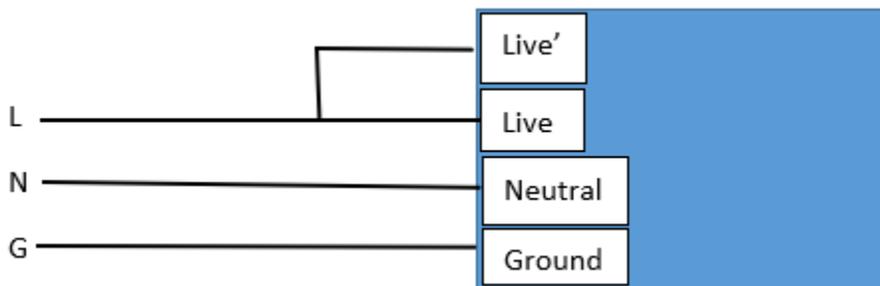
SAVE THESE INSTRUCTIONS.

1. Install luminaire as intended using supplemental installation manual(s).
2. Connect the mains supply wires to the luminaire as shown below.

120-277 VAC BATTERY BACKUP SWITCH LIVE – NORTH AMERICA		
SYMBOL	COLOR	CONNECTION
	GREEN	EARTH
L	BLACK	PERMANENT LIVE
L'	ORANGE	SWITCH LIVE
N	WHITE	NEUTRAL

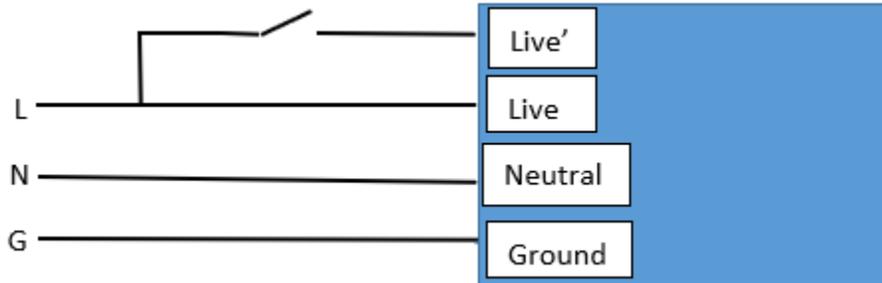
Non-switched Maintained

For Non-switched Maintain Operation - (1) Connect Input Live, Neutral and Ground to input terminal. 2) Jumper Live' to Live on the terminal block. In this Mode, Light will always be on, and Battery Backup will take over during a power outage.

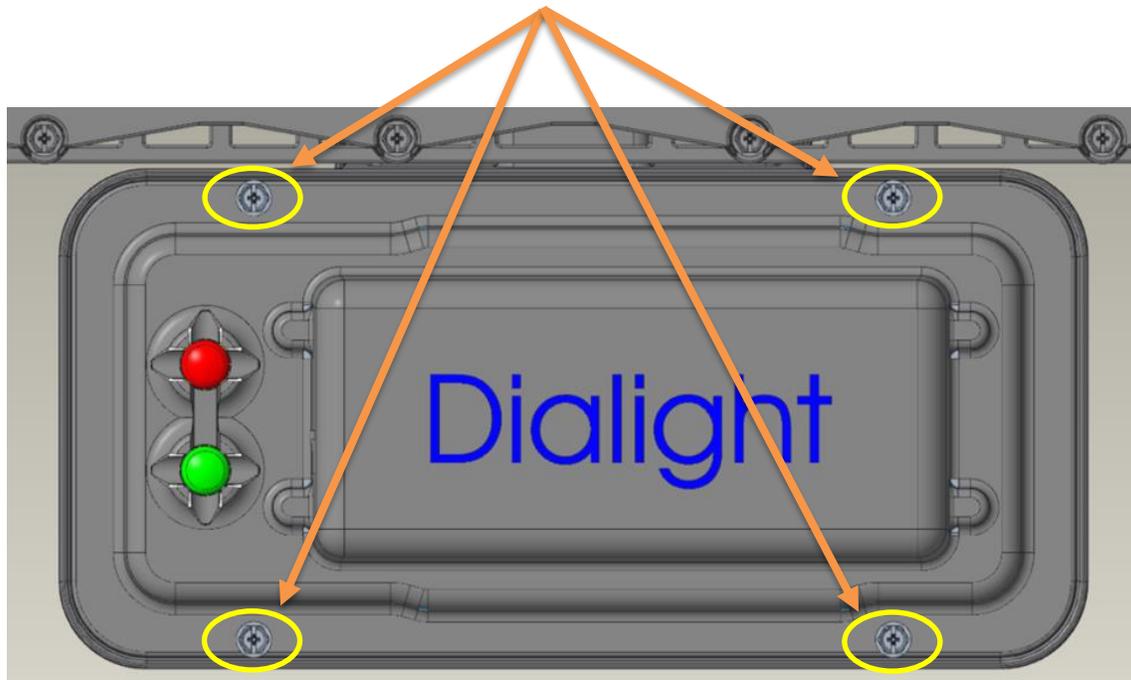


Switched Maintained

For Switch Maintained Operation – (1) Connect Input Live, Neutral and Ground to input terminal. (2) Wire an external switch between Live' and Live input. This switch will turn the light ON and OFF without affecting the backup operation.



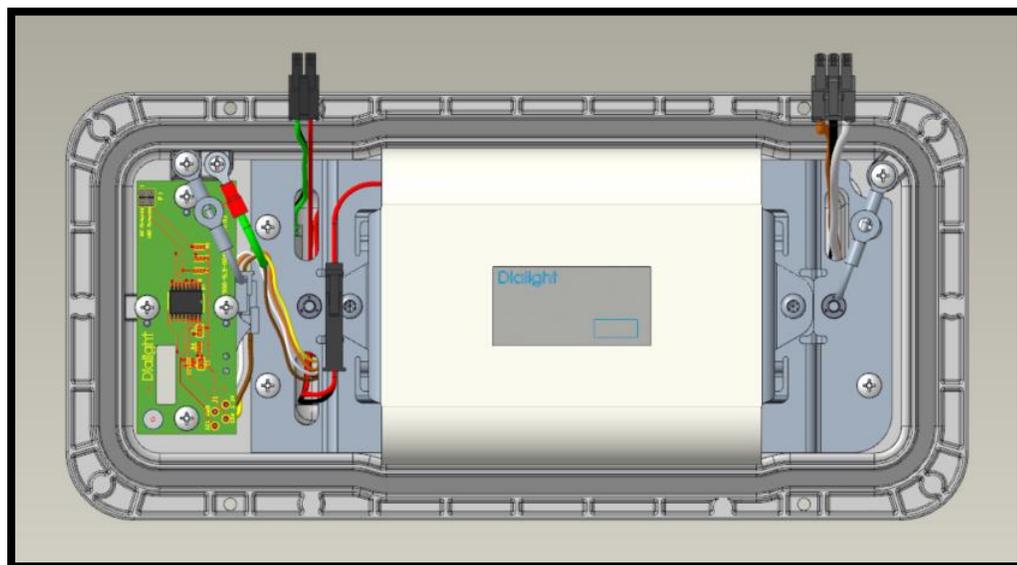
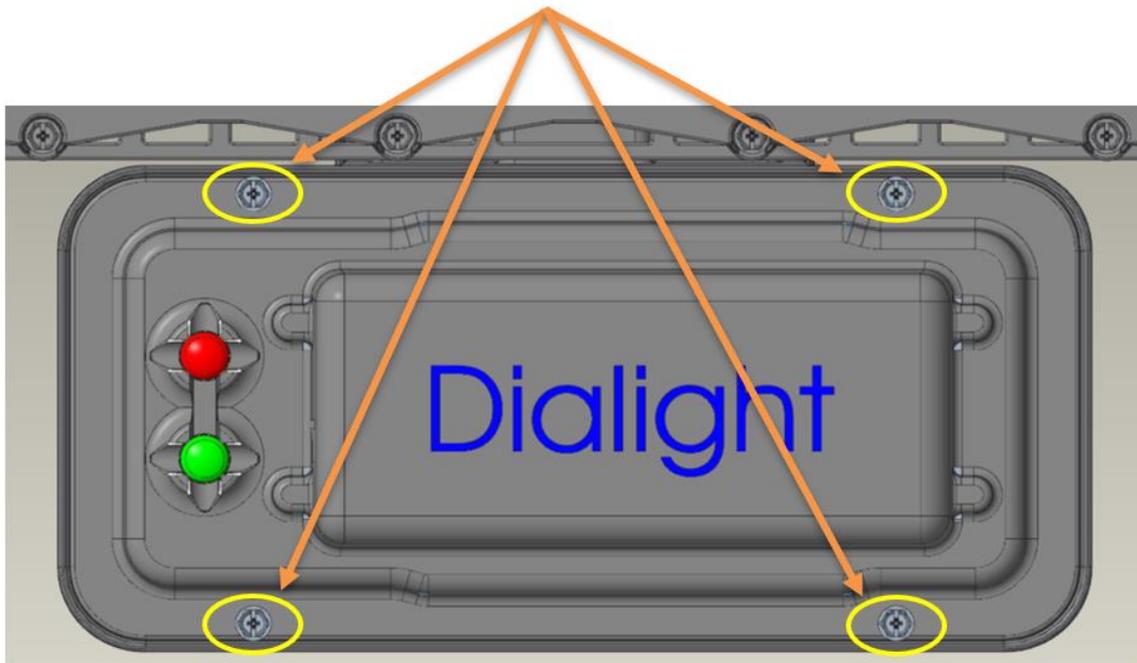
- To close the wiring box cover, tighten the four 10-32 screws as shown in images below to 30-33 in-lbs. **(NOTE: When closing, be sure no wires interfere with closure to avoid risk of pinching.)**



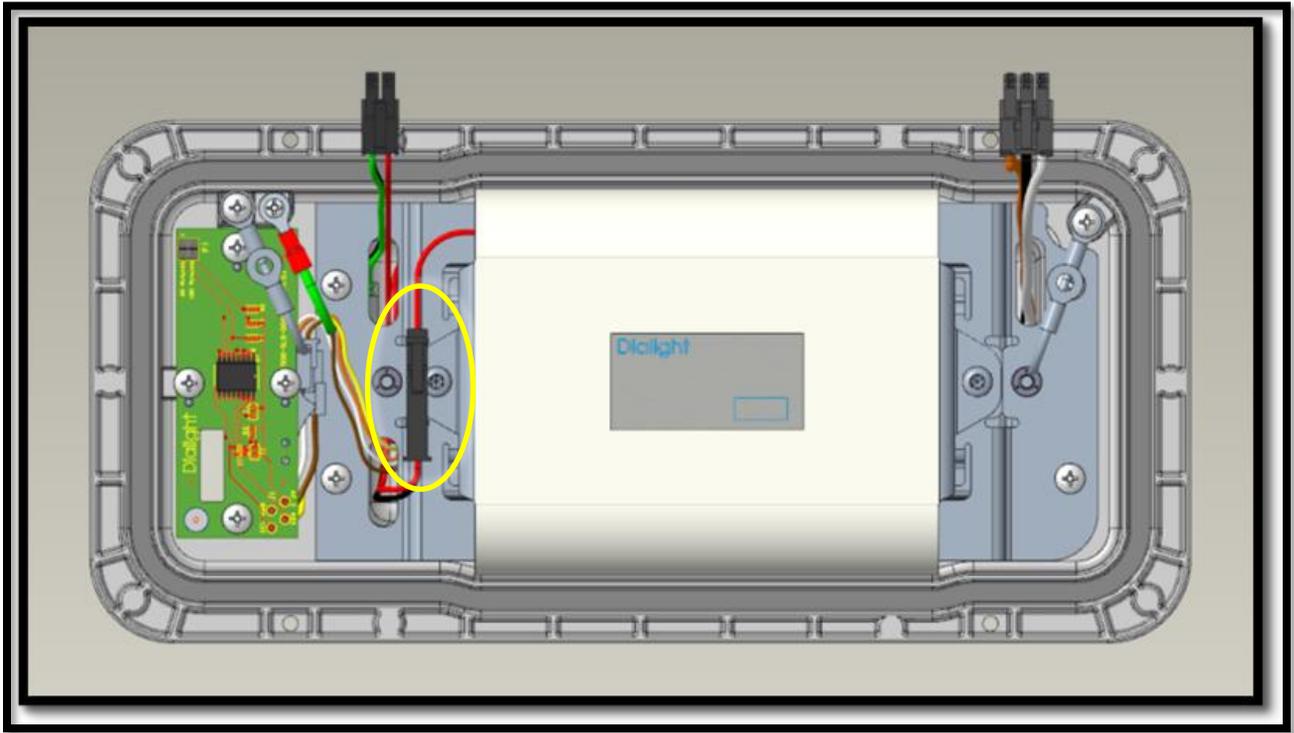
Replacing the Battery Pack

WARNING: To avoid fire and electrical shock, turn off the power at circuit breaker or fuse and test that the power is off before wiring.

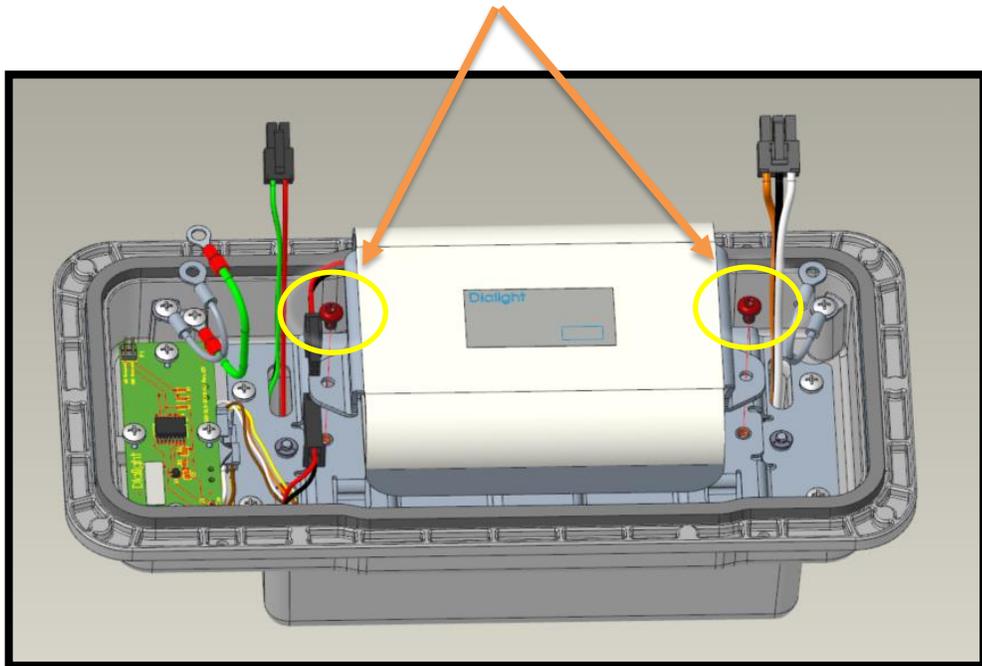
1. Open the wiring box cover by loosening the four 10-32 screws as shown to access battery pack connection.



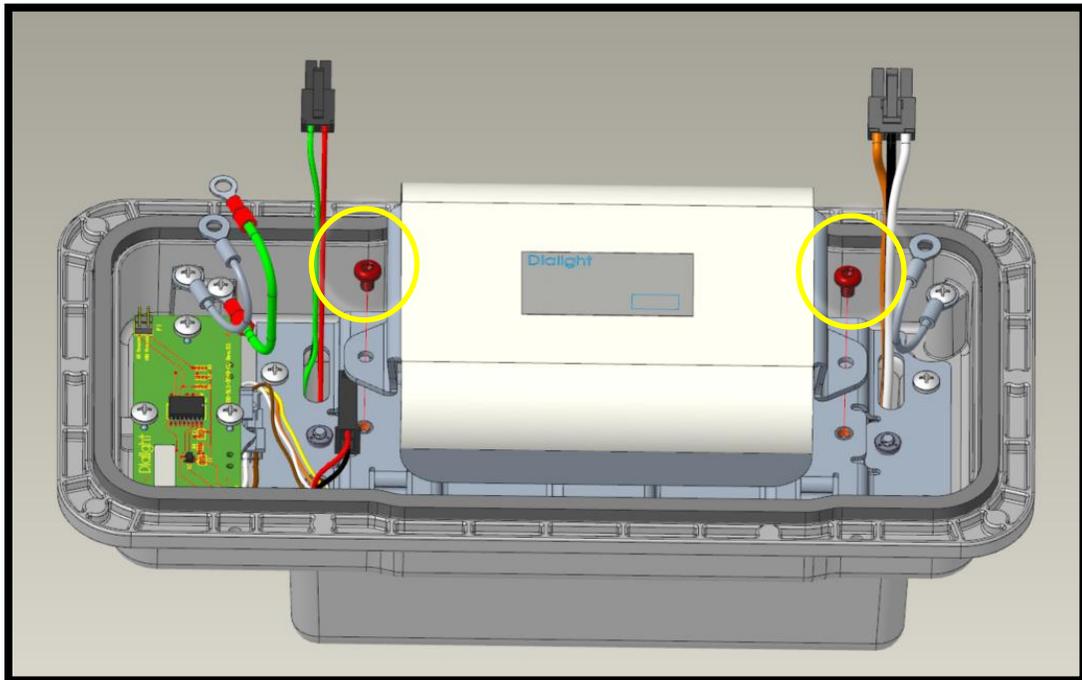
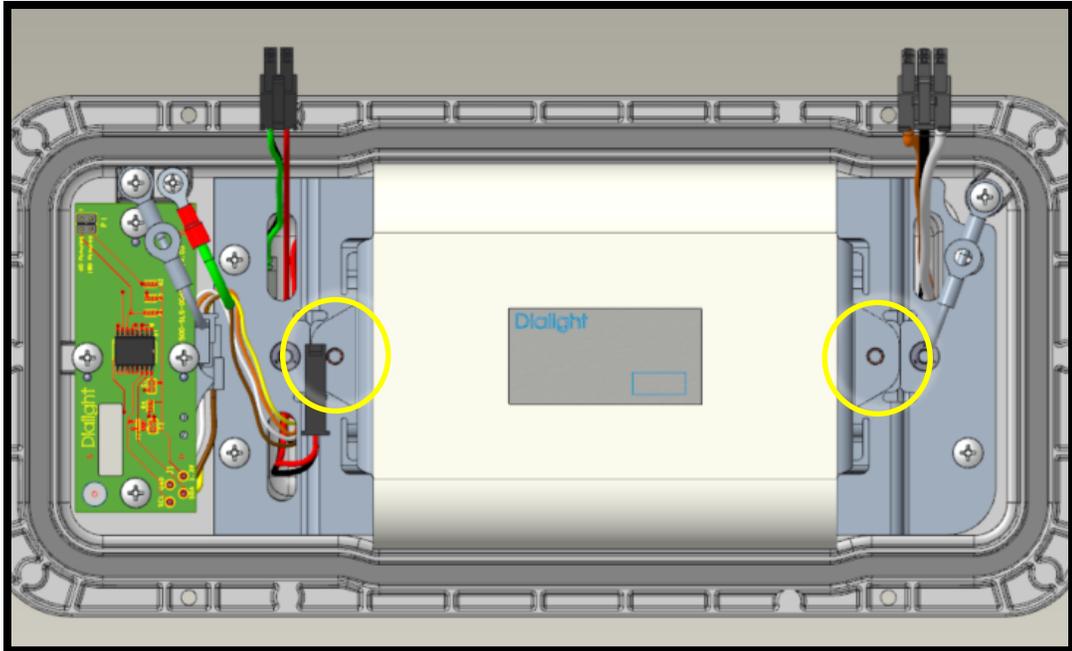
2. Disconnect battery pack from battery driver as shown.



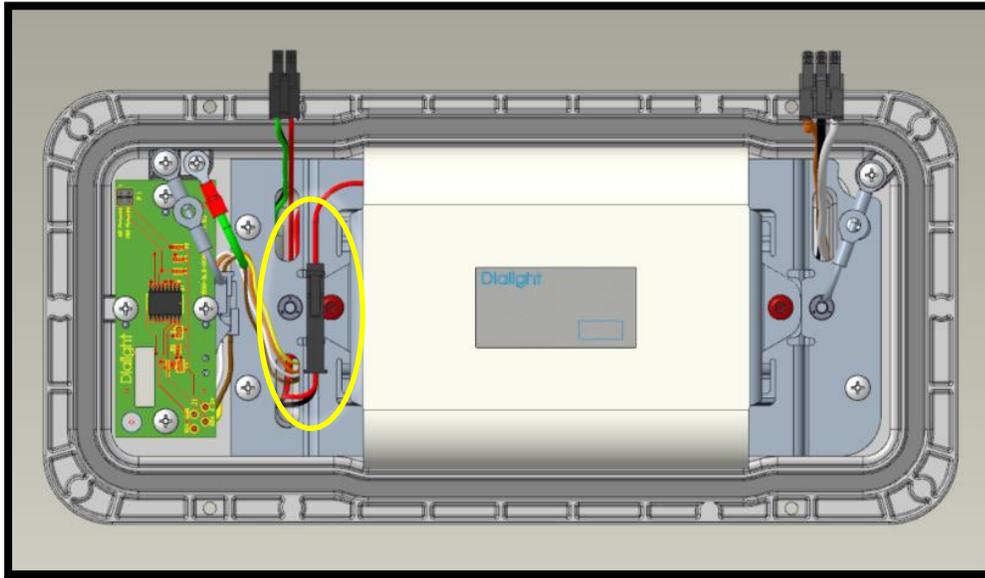
3. Unscrew the two M4x.7 screws to remove the pack and save the screws to assemble the replacement battery pack. Discard old battery pack according to respective national regulations on waste disposal.



4. Collect the replacement battery pack and place it onto the Plate making sure holes on the bracket are aligned with the holes on plate as shown. Use two M4x.7 screws to secure the battery pack onto the plate. Torque to 24-26 in-lbs



5. Connect battery pack to battery driver as shown.

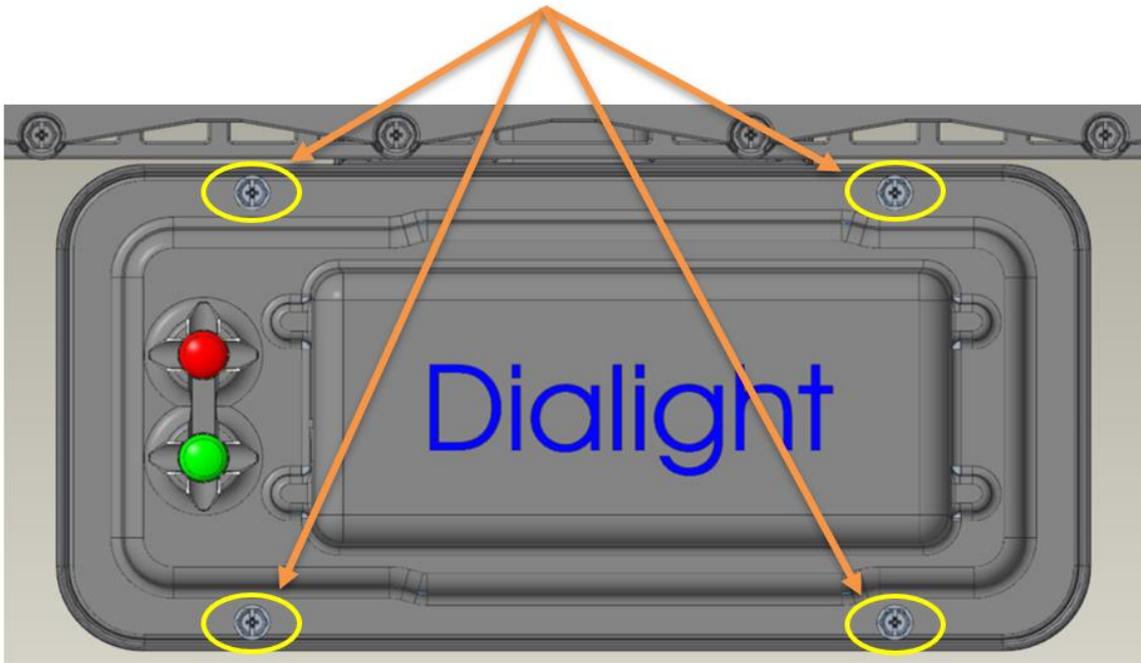


6. Optional Step - If required, on the Runtime Board as displayed in the images below, the jumper can be toggled between 60- and 180-minute positions as highlighted to change the operational time of the light on Battery Backup mode and if the jumper is not used then it will default to 90 minutes.

(NOTE: FOR UL924 APPLICATIONS, 60 MINUTE DURATION MUST NOT BE SELECTED)



7. Close the wiring box cover by tightening the four 10-32 screws as shown to 30- 33in-lbs.



NOTE: When closing, be sure no wires interfere with closure to avoid risk of pinching.

Battery Backup Function

Battery Backup Indicator Light Functions

LED Indicator Status	Status/Mode
Green ON and blinks every 10s	System OK/AC OK
Red ON and blinks every 5s	Battery not detected/Faulty, Check connections/Replace Battery
Red LED Blinks every 2s	Light Output Fault. Check wiring connections
RED LED Blinks every 1s	Multiple faults
Green LED Blinks every 2s	While performing Periodical Function Test*
Green LED blinks every 1s	While performing Periodical Duration Test/Commissioning Test*

*Function Test – Tests for the basic functionality of battery and light output connections

*Duration/Commissioning Test – Tests for full duration of light output in battery backup mode.

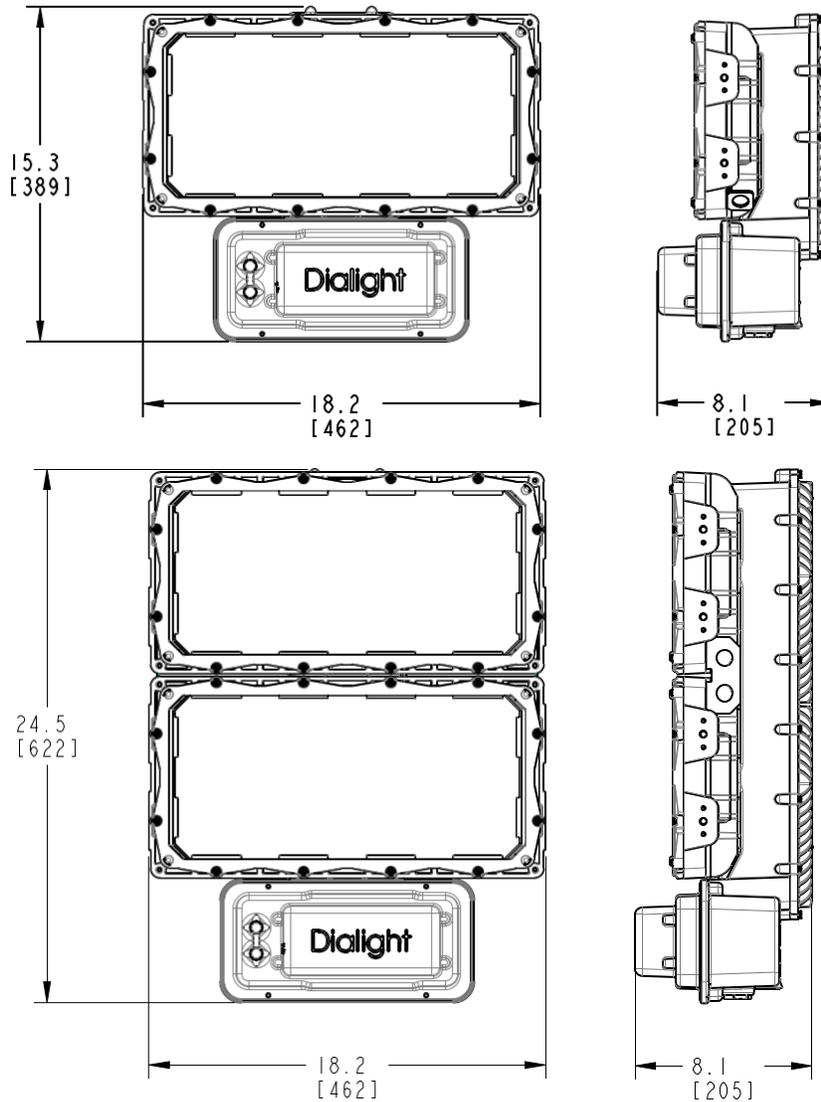
<p>Technical Data Floodlight Battery Backup</p> <p>Nominal AC Supply Voltage 120VAC, 230/240VAC, 120-277VAC, 50-60Hz, Single Phase</p> <table border="0"> <tr> <td>Power Consumption</td> <td>[W]</td> </tr> <tr> <td>(F/S) 1****(2/8)B*****</td> <td>87 W</td> </tr> <tr> <td>(F/S) 1****(2/8)C*****</td> <td>130 W</td> </tr> <tr> <td>(F/S) 1****(2/8)E*****</td> <td>181 W</td> </tr> <tr> <td>(F/S) 1****(2/8)F*****</td> <td>240 W</td> </tr> <tr> <td>(F/S) 2****(2/8)F*****</td> <td>206 W</td> </tr> <tr> <td>(F/S) 2****(2/8)H*****</td> <td>240 W</td> </tr> <tr> <td>(F/S) 2****(2/8)L*****</td> <td>352 W</td> </tr> <tr> <td>(F/S) 2****(2/8)N*****</td> <td>490 W</td> </tr> </table> <p>Power Factor (AC only) >0.95</p> <p>ATHD (AC only) <20% @110/120VAC <20% @230/240VAC <20% @120-277VAC</p> <p>Temperature Ambient Temp Range: -4°F to +131°F [-20°C to +55°C] T4A Temp Code: -4°F to +131°F [-20°C to +55°C]</p> <p>Housing Material A360 Die Cast Aluminum</p> <p>Finish Powder Coat: Gray (RAL 7040) Bronze (RAL 7022)</p>	Power Consumption	[W]	(F/S) 1****(2/8)B*****	87 W	(F/S) 1****(2/8)C*****	130 W	(F/S) 1****(2/8)E*****	181 W	(F/S) 1****(2/8)F*****	240 W	(F/S) 2****(2/8)F*****	206 W	(F/S) 2****(2/8)H*****	240 W	(F/S) 2****(2/8)L*****	352 W	(F/S) 2****(2/8)N*****	490 W	<p>Lens Clear Glass Window Clear Polycarbonate Window Integrated Polycarbonate Optic</p> <p>All other mounting options Size varies by mount type.</p> <table border="1"> <thead> <tr> <th>Catalog No.</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>(F/S) 1***** (E/F)***F</td> <td>16,3 kg [35,9 lbs]</td> </tr> <tr> <td>(F/S) 1*****T***F</td> <td>17,9 kg [39,5 lbs]</td> </tr> <tr> <td>(F/S) 1*****H***F</td> <td>19,2 kg [48,3 lbs]</td> </tr> <tr> <td>(F/S) 2***** (E/F)***F</td> <td>24,5 kg [60,1 lbs]</td> </tr> <tr> <td>(F/S) 2*****T***F</td> <td>26,2 kg [63,7 lbs]</td> </tr> <tr> <td>(F/S) 2*****H***F</td> <td>30,2 kg [72,5 lbs]</td> </tr> </tbody> </table> <p>Maximum Mounting Height (For UL924 applications)</p> <table border="0"> <tr> <td>FxxN4(B/C)xxxxxxxF</td> <td>[Feet] 72.82</td> </tr> <tr> <td>Fxx74(B/C)xxxxxxxF</td> <td>69.46</td> </tr> <tr> <td>Fxx44(B/C)xxxxxxxF</td> <td>66.74</td> </tr> <tr> <td>FxxN6(L/N)xxxxxxxF</td> <td>34.72</td> </tr> <tr> <td>Fxx76(L/N)xxxxxxxF</td> <td>33.82</td> </tr> <tr> <td>Fxx46(L/N)xxxxxxxF</td> <td>31.94</td> </tr> <tr> <td>FxxN6WxxxxxxxF</td> <td>28.46</td> </tr> <tr> <td>Fxx76WxxxxxxxF</td> <td>28.68</td> </tr> <tr> <td>Fxx46WxxxxxxxF</td> <td>26.10</td> </tr> </table>	Catalog No.	Value	(F/S) 1***** (E/F)***F	16,3 kg [35,9 lbs]	(F/S) 1*****T***F	17,9 kg [39,5 lbs]	(F/S) 1*****H***F	19,2 kg [48,3 lbs]	(F/S) 2***** (E/F)***F	24,5 kg [60,1 lbs]	(F/S) 2*****T***F	26,2 kg [63,7 lbs]	(F/S) 2*****H***F	30,2 kg [72,5 lbs]	FxxN4(B/C)xxxxxxxF	[Feet] 72.82	Fxx74(B/C)xxxxxxxF	69.46	Fxx44(B/C)xxxxxxxF	66.74	FxxN6(L/N)xxxxxxxF	34.72	Fxx76(L/N)xxxxxxxF	33.82	Fxx46(L/N)xxxxxxxF	31.94	FxxN6WxxxxxxxF	28.46	Fxx76WxxxxxxxF	28.68	Fxx46WxxxxxxxF	26.10
Power Consumption	[W]																																																		
(F/S) 1****(2/8)B*****	87 W																																																		
(F/S) 1****(2/8)C*****	130 W																																																		
(F/S) 1****(2/8)E*****	181 W																																																		
(F/S) 1****(2/8)F*****	240 W																																																		
(F/S) 2****(2/8)F*****	206 W																																																		
(F/S) 2****(2/8)H*****	240 W																																																		
(F/S) 2****(2/8)L*****	352 W																																																		
(F/S) 2****(2/8)N*****	490 W																																																		
Catalog No.	Value																																																		
(F/S) 1***** (E/F)***F	16,3 kg [35,9 lbs]																																																		
(F/S) 1*****T***F	17,9 kg [39,5 lbs]																																																		
(F/S) 1*****H***F	19,2 kg [48,3 lbs]																																																		
(F/S) 2***** (E/F)***F	24,5 kg [60,1 lbs]																																																		
(F/S) 2*****T***F	26,2 kg [63,7 lbs]																																																		
(F/S) 2*****H***F	30,2 kg [72,5 lbs]																																																		
FxxN4(B/C)xxxxxxxF	[Feet] 72.82																																																		
Fxx74(B/C)xxxxxxxF	69.46																																																		
Fxx44(B/C)xxxxxxxF	66.74																																																		
FxxN6(L/N)xxxxxxxF	34.72																																																		
Fxx76(L/N)xxxxxxxF	33.82																																																		
Fxx46(L/N)xxxxxxxF	31.94																																																		
FxxN6WxxxxxxxF	28.46																																																		
Fxx76WxxxxxxxF	28.68																																																		
Fxx46WxxxxxxxF	26.10																																																		



Technical Diagrams

Dimensions: in [mm]

NOTE: Below is for conduit mount luminaire only. Other available mounting options will effect overall dimensions.



Official Statement

All statements, technical information, and recommendations contained herein are based on information and tests that Dialight believes to be reliable. The accuracy or completeness thereof is not guaranteed. In accordance with Dialight "Terms and Conditions of Sale" and since conditions of use are outside our control, the purchaser should determine the suitability of the product for his or her intended use and assumes all risk and liability whatsoever in connection therewith.

