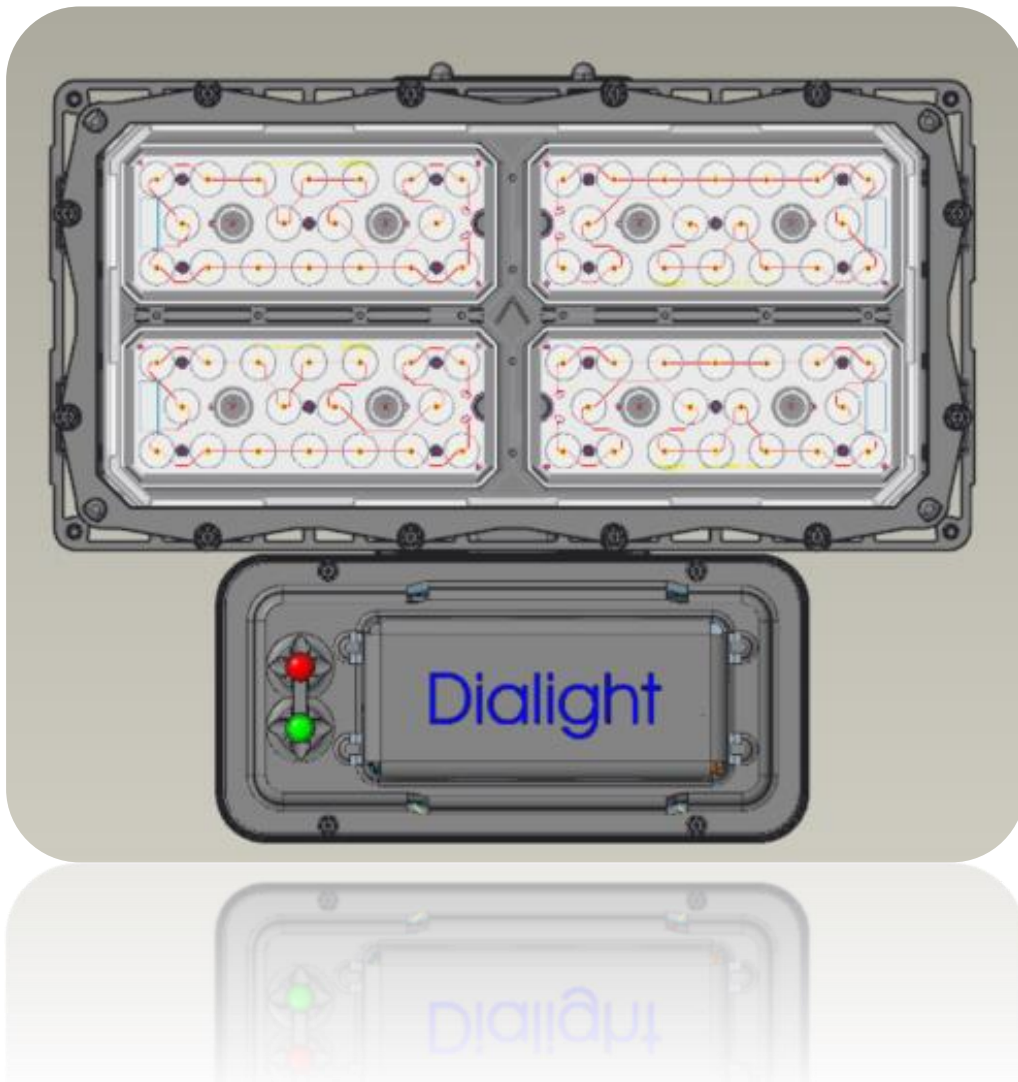


Important Information

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:

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

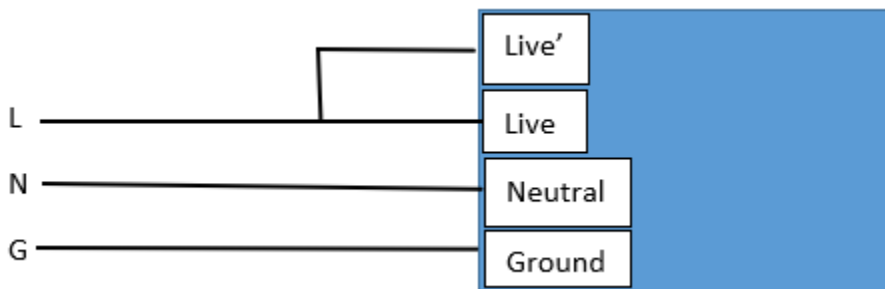
SAVE THESE INSTRUCTIONS.

- Install luminaire as intended using supplemental installation manual(s).
- 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

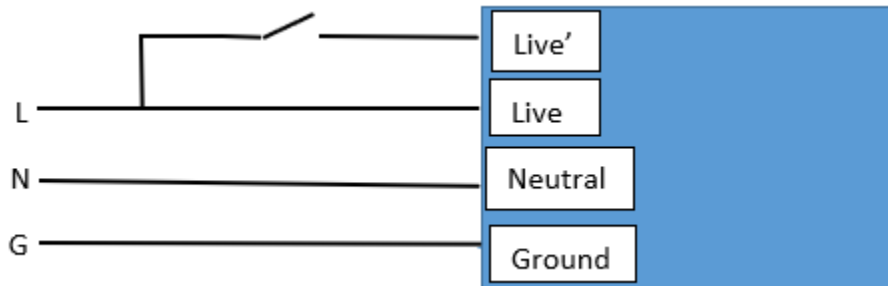
Non-switched Maintained

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.

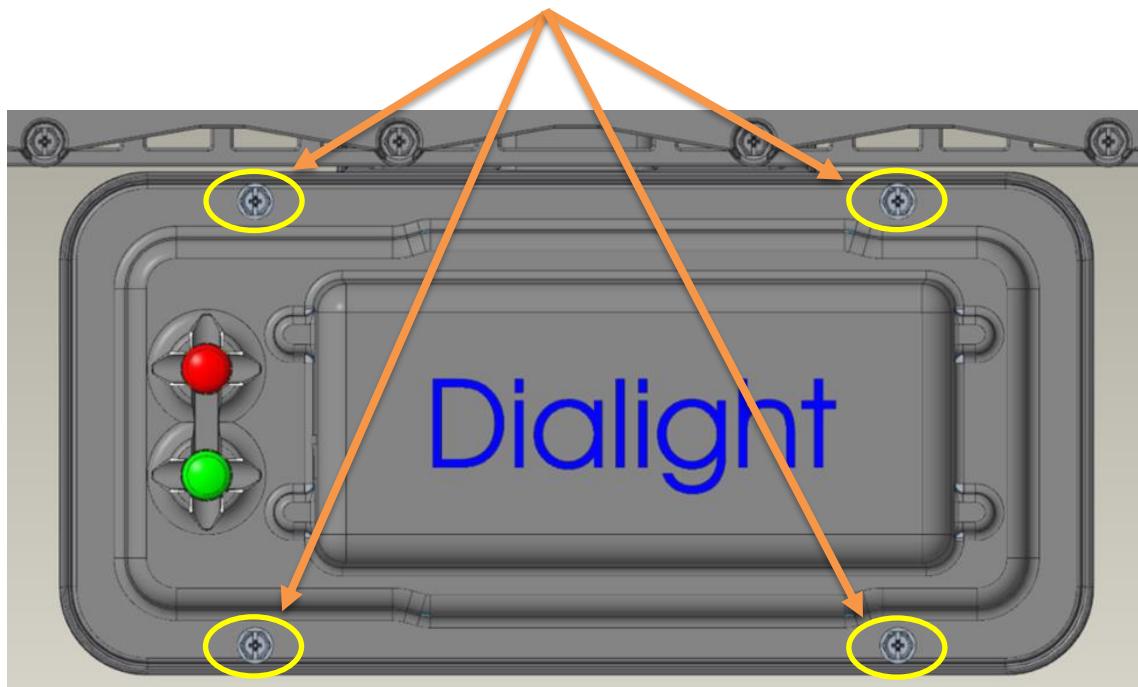


Switched Maintained

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.



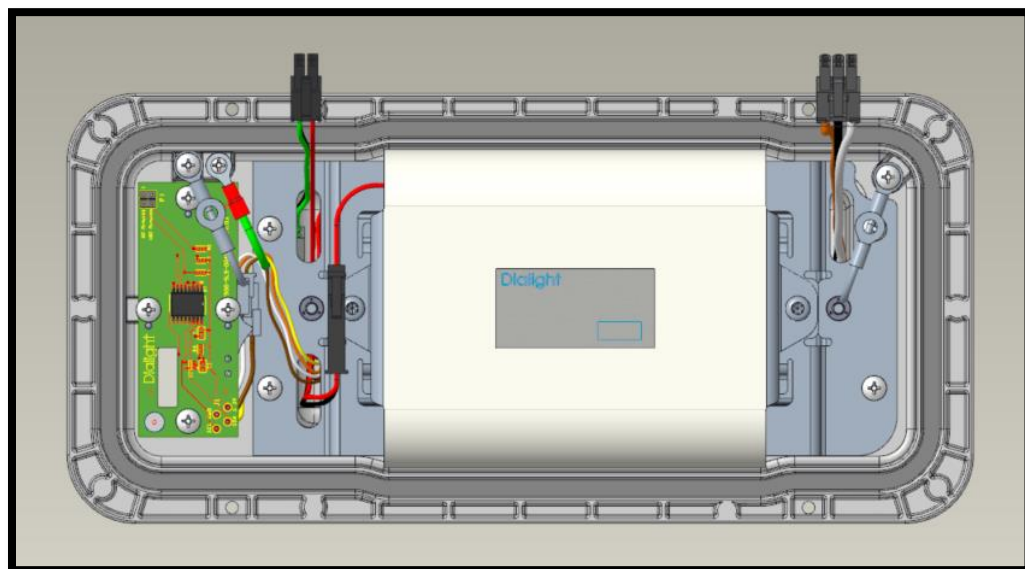
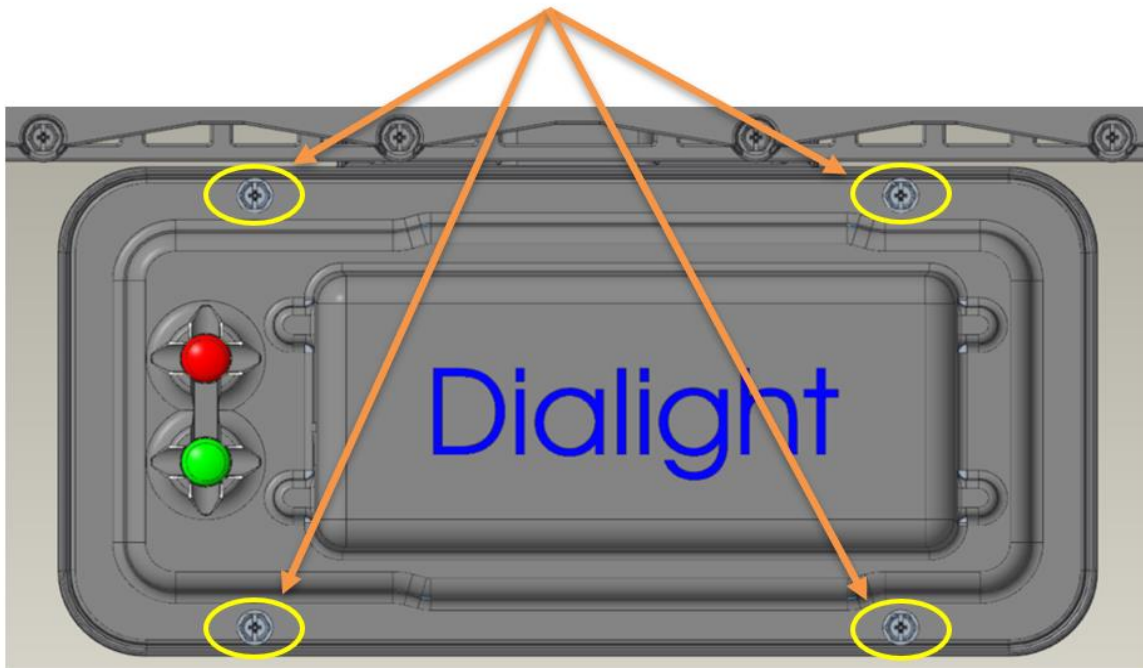
3. To close the wiring box cover, tighten the four 10-32 screws as shown in images below to 30-33 in-lbs.
(NOTE: When closing, be sure no wires interfere with closure to avoid risk of pinching.)



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.

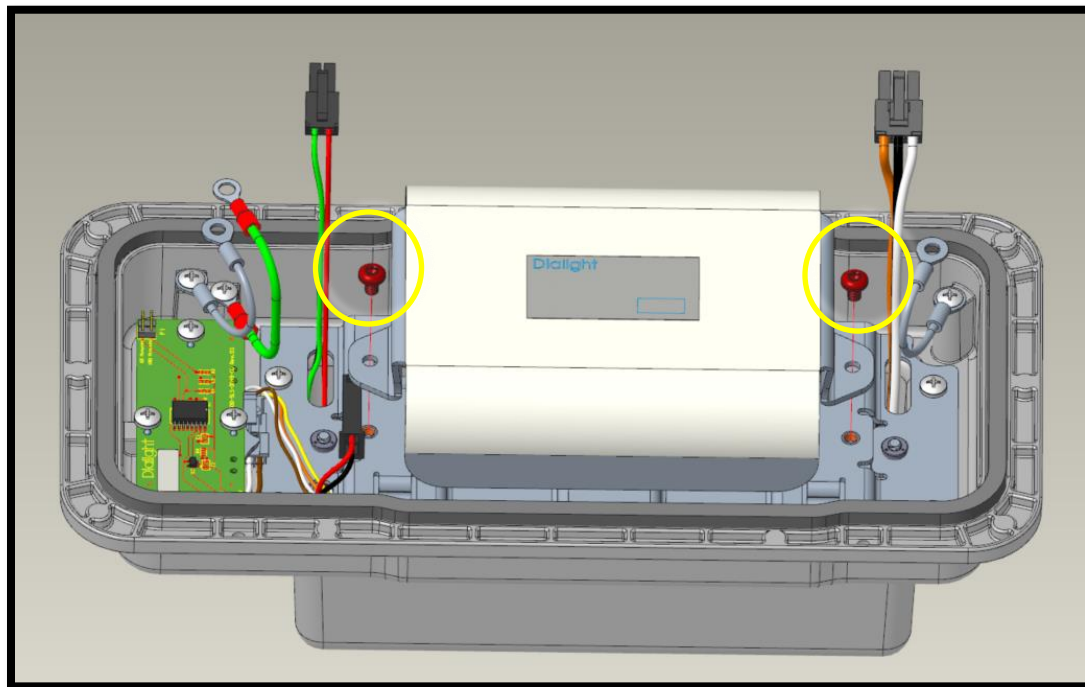
1. Open the wiring box cover by loosening the four 10-32 screws as shown to access battery pack connection.



-
- The diagram shows a top-down view of a battery pack assembly. On the left side, there is a green printed circuit board (PCB) labeled "Dielight". It features various electronic components, including a microcontroller, resistors, and a red LED. Wires of different colors (red, green, black, and brown) are connected to the PCB. A yellow circle highlights a specific connection point on the PCB. In the center of the battery pack is a large, rectangular, light-colored area representing the battery cells. On the right side, there is a blue PCB with various components and wires. The entire assembly is housed within a grey, rectangular frame with rounded corners and a series of small, rectangular slots along the edges.

-
- The diagram shows the internal layout of the battery compartment. A central white battery is labeled 'Dialight'. To its left is a green PCB with various electronic components. On both the left and right sides of the battery, there are positive terminals (red screws) which are circled in yellow. Orange arrows point from the top towards these terminals. Wires of various colors (green, red, black, white) are connected to the terminals and the PCB. The entire assembly is housed within a grey plastic enclosure.

-

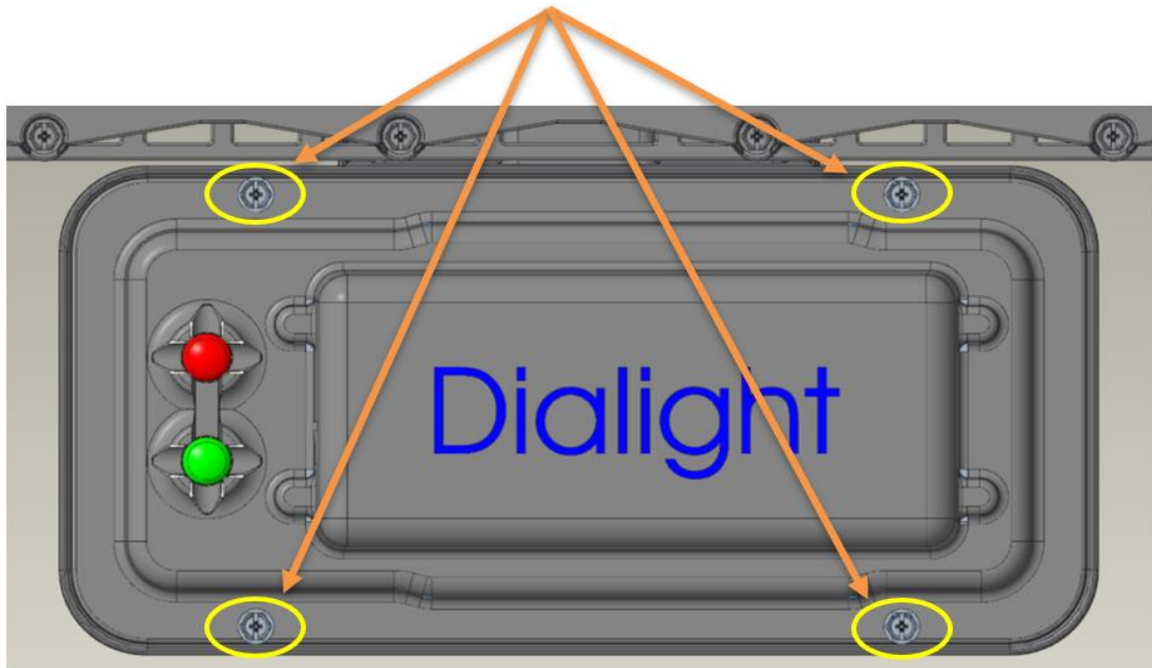


-
- The diagram shows the internal layout of a Dialight device. On the left is a green PCB with various electronic components, including a large black component labeled 'Dialight'. In the center is a large, light-colored rectangular battery. On the right is a blue PCB with two red LEDs. Wires connect these components to external connectors at the top. A yellow circle highlights the connection point for the red and black wires on the left side of the battery.

- (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.

Technical Data

Floodlight Battery Backup

Nominal AC Supply Voltage

120VAC, 230/240VAC, 120-277VAC, 50-60Hz, Single Phase

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

Power Factor (AC only) >0.95

ATHD (AC only) <20% @ 110/120VAC
<20% @ 230/240VAC
<20% @ 120-277VAC

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]

Housing Material

A360 Die Cast Aluminum

Finish

Powder Coat:
Gray (RAL 7040)
Bronze (RAL 7022)

Lens

Clear Glass Window
Clear Polycarbonate Window
Integrated Polycarbonate Optic

All other mounting options

Size varies by mount type.

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]

Maximum Mounting Height

(For UL924 applications)

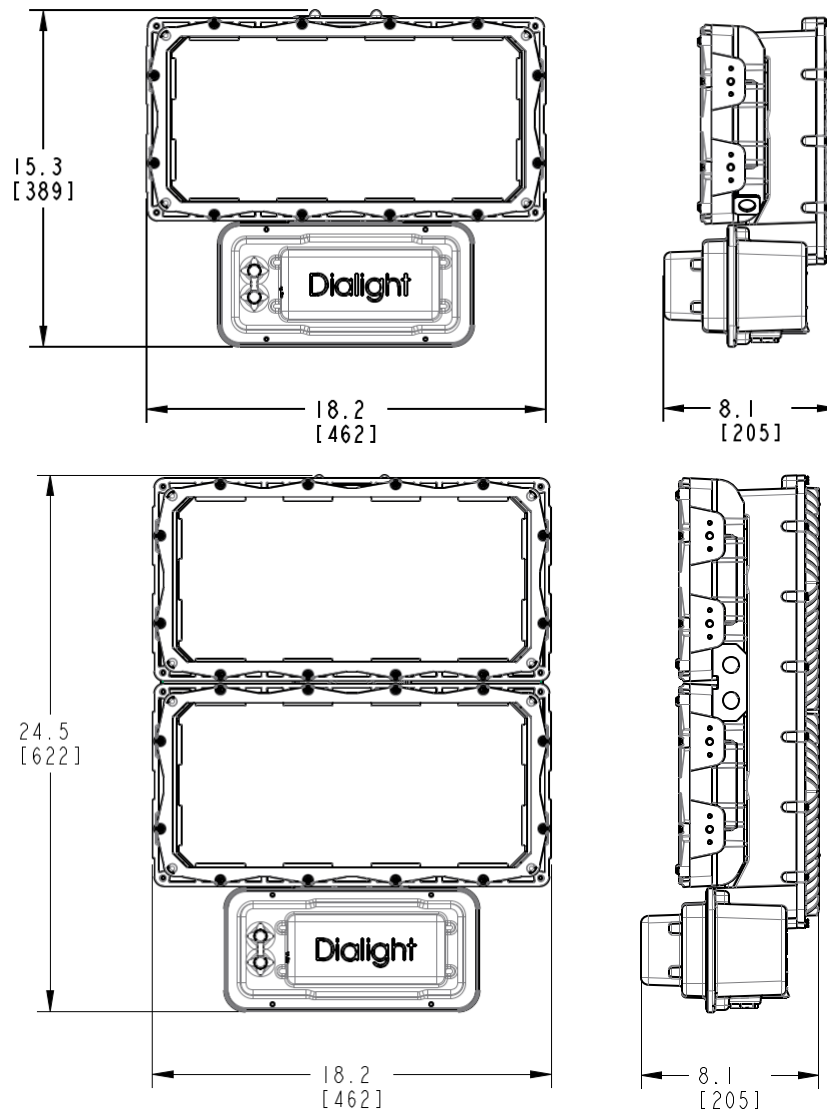
[Feet]

FxxN4(B/C)xxxxxxF	72.82
Fxx74(B/C)xxxxxxF	69.46
Fxx44(B/C)xxxxxxF	66.74
FxxN6(L/N)xxxxxxF	34.72
Fxx76(L/N)xxxxxxF	33.82
Fxx46(L/N)xxxxxxF	31.94
FxxN6WxxxxxxF	28.46
Fxx76WxxxxxxF	28.68
Fxx46WxxxxxxF	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.