



Luminaires For Use In Hazardous Locations

L1811A/B

(With Battery Backup)

Standards:

- UL 844
- UL 1598 Luminaires
- UL 8750
- CSA C22.2 No 137-18
- CSA C22.2 No. 250.0
- CSA C22.2 No. 250.13

Protection:

- Class I, Division 1 Group B, C, D
- Class II, Division 1 Group E, F, G
- Class III, Division 1
- IP67 / NEMA 6

Ambient Temperature:

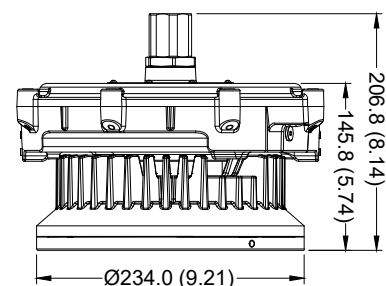
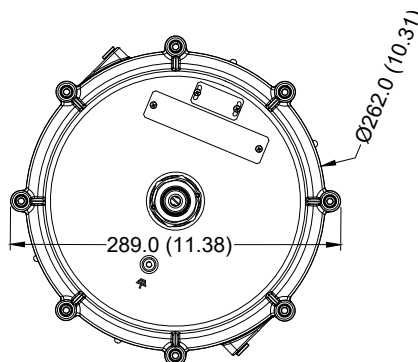
- CID1: -20°C ~ +40°C, T6
- CIID1: -20°C ~ +40°C, T3C

Applications:

- Power Plants
- Heavy Industrials
- Storage Facility
- Paper Mills
- Wastewater Treatment Plants
- Loading Docks
- Platforms
- Shipyards
- Chemical Processing Facility
- Petrochemical Processing Facility

Dimension:

In mm (inches)



Net Weight: 10.0 kg (22.0 lb)

Electrical: *Total System Power Consumption (+10%) / LED Power Consumption: 80W

DOB	120W*	100W*	Type
100V~277V (Full Voltage)	0.43A~1.20A		L1811A
110V		0.91A	L1811B
120V		0.83A	L1811B
220V		0.45A	L1811B
277V		0.36A	L1811B
Power Factor	$\cos \geq 0.9$		
Frequency	50 / 60 Hz		

Mechanical:

Enclosure	Aluminum Alloy	★Frosted Glass is available upon request.
Glass	Heat & Impact Resistant Tempered Glass	
Cable Gland	Stainless Steel	
Cable	600V, 105°C	
Entrance Thread	M30 (Female Thread)	

Battery Backup: (UL 2054 certified Li-ion battery)

Emergency Mode Output Wattage	L1811A: 80W / L1811B: 40W	
Emergency Mode Illumination Time	120 minutes	
Charging Time	48 hours	★When the fixture is not in use, please charge 48 hours every month to maintain the battery's performance.

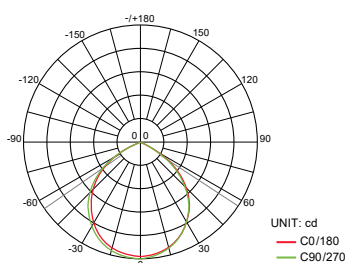
Optical:

Color of LED Light	Warm White / Cool White
CRI	Warm White ≥ 80 / Cool White ≥ 70
Beam Angle	X-110° / Y-110°
Lumen ($\pm 10\%$)	Warm White $\geq 7200\text{lm}$ / Cool White $\geq 8000\text{lm}$

Optical Report:

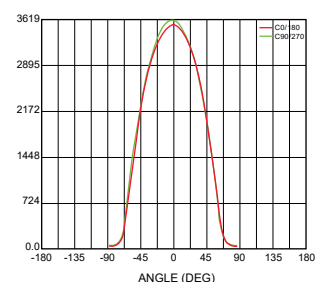
DOB test

**Polar Luminous
Intensity Distribution**



**Luminous
Intensity Distribution Diagram**

AVERAGE BEAM ANGLE (50%) : 102.49 DEG



Hanging Mount 25° (H25)

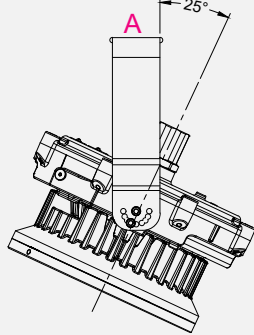
Hanging Mount 45° (H45)

Hanging Mount 90° (H90)

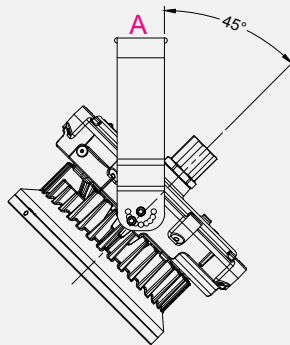
Mounting Option & Dimension : In mm (inches)

Hanging Mount 10.0 kg (22.0 lb)

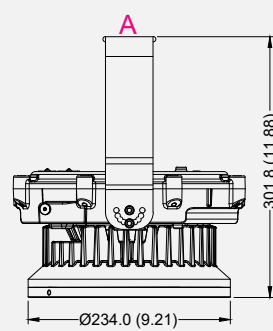
25° (H25)



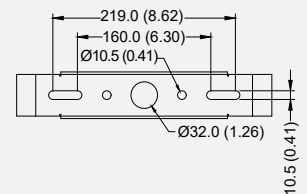
45° (H45)



90° (H90)

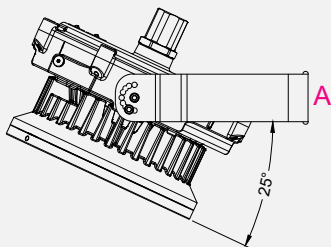


View A

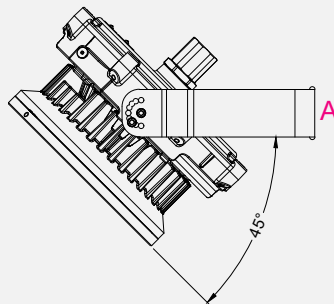


Wall Mount 10.0 kg (22.0 lb)

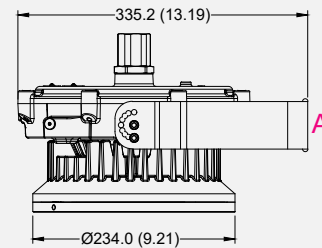
25° (W25)



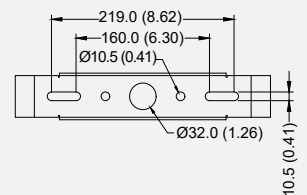
45° (W45)



90° (W90)



View A



Model Code:

THT

E

1811

A

C

A

C

H

L0

W90

①

②

③

④

⑤

① Sub-series Designation

A=A type, Two sets of batteries
B=B type, One set of battery

③ Voltage

H=100V~277V
1=110V, 2=220V, 6=120V, 9=277V

⑤ Mounting Bracket Type

WHT=Wall/Hanging Mount

*A type is full range voltage, code =H
B type is single voltage, code =1, 2, 6, 9

② Color of LED Light

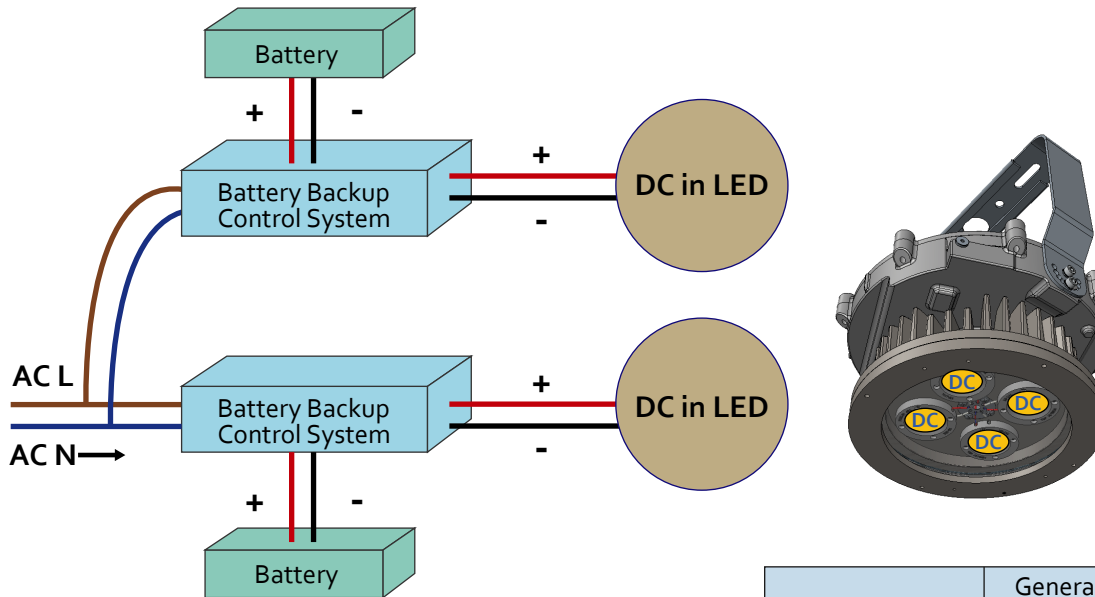
C=Cool White
W=Warm White

④ Wattage

L0=120W (A type only)
J0=100W (B type only)

Battery Backup Operation Description :

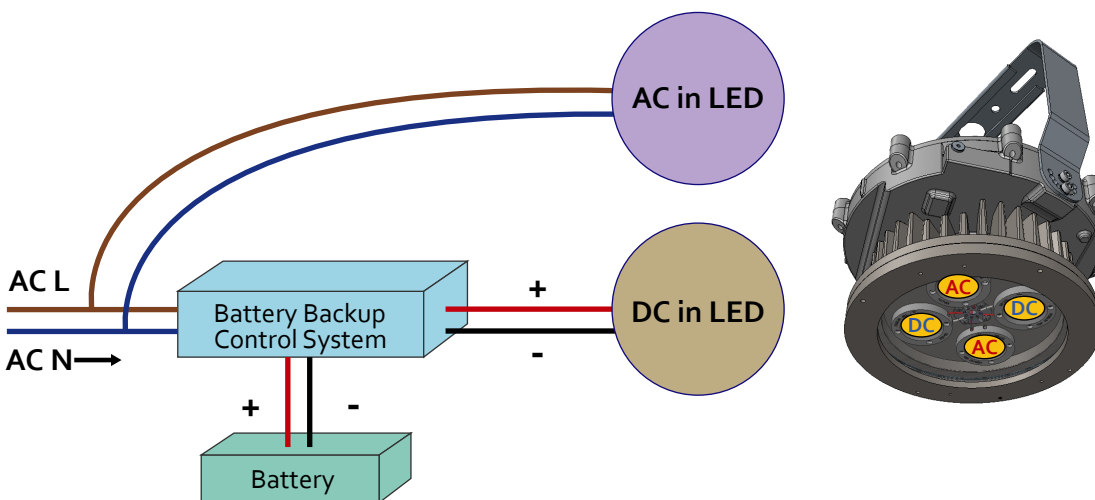
Model L1811A



	General mode	Emergency mode
DC in LED	Light On	Light On
Total LED Watt.	80W	80W

If you want to extend the illumination time to 240 minutes, you can manually adjust the power to 40W (LEDx2). After 120 minutes, adjust the other 2 LEDs to keep illumination for 120 minutes.

Model L1811B



	General mode	Emergency mode
AC in LED	Light On	Light Off
DC in LED	Light On	Light On
Total LED Watt.	80W	40W