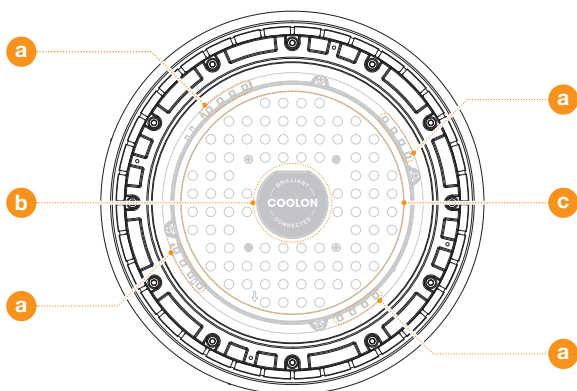
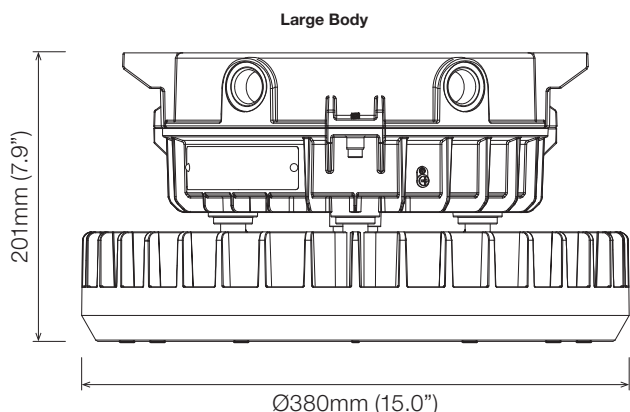


WOMBAT DIAGRAMS

DIAGRAMS

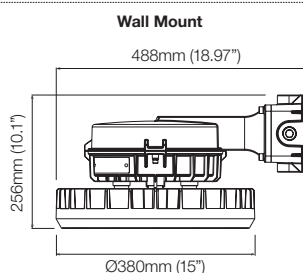
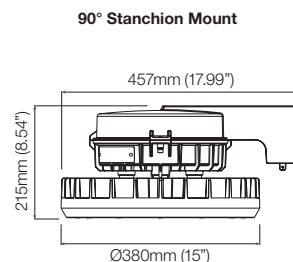
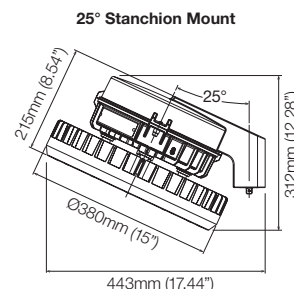
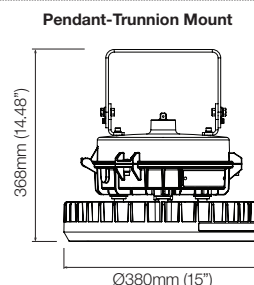
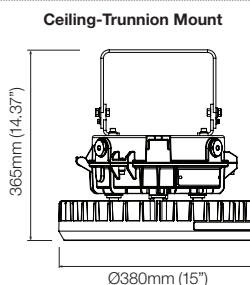
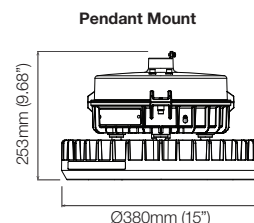
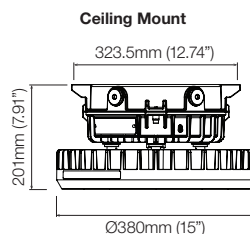


- a Configurable* RGBW Indicator
- b Occupancy Sensor
- c Main LEDs

*RGBW Indicator configurable via BitCortex

MOUNTING DIAGRAMS

NOTE - Wombat weight is 9.0kg to 11.0kg (19 to 25lbs) +/-0.4kg(1lbs) depending on mounting arrangement. Refer to fixture nameplate for specific classification information, maximum ambient suitability and corresponding operating temperature(T-Code).



PRODUCT DESCRIPTION

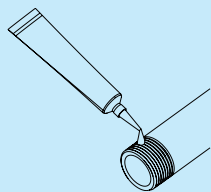
WBT - Ex - B0 - L - 30 - NWT - T1S - RGBW - A - C - 20 - TB (example)

Options marked with * are only available with Ex certified products

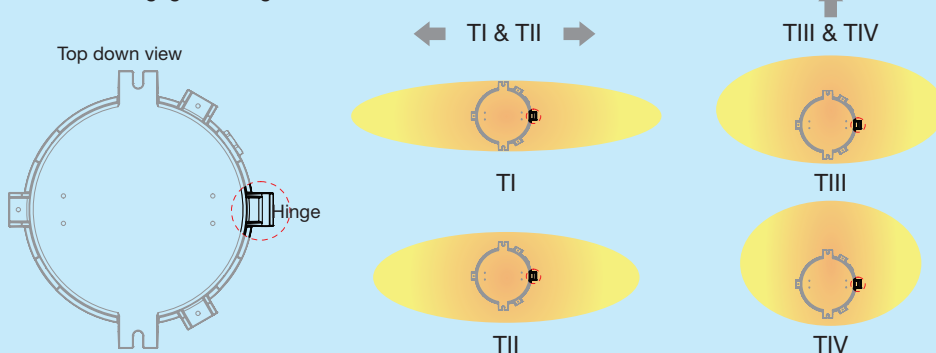
- Accessories : WG=Wire guard*; TB=Trunnion Bracket
- Mount Option: C-20*; C-25*; C-3/4; P-20*; P-25*; P-3/4; P-1; W-20*; W-25*; W-3/4; W-1; S-5/4; S-3/2; L-5/4; L-3/2
- C=Ceiling; P=Pendant; W=Wall; S=25° Stanchion; L=90° Stanchion
- 20=M20x1.5"; 25=M25x1.5"; 3/4=3/4" NPT; 1=1" NPT; 5/4=1-1/4" NPT; 3/2=1-1/2" NPT
- Operating voltage: A=100-277Vac, 50/60Hz; B=277-480Vac, 50/60Hz
- Indicator: RGBW
- Optics: T1=Type I; T3=Type III; T4=Type IV; Medium=60°; Narrow=38°; SY1=Symmetrical Diffused; NOP=Extra Wide
- Colour: NWT=Neutral White; CWT=Cool White; WWT=Warm White; AMB=Amber
- Power: 30=30W; 50=50W; 75=75W; 100=100W; 120=120W; 150=150W; 180=180W; 200=200W; 240=240W
- Body: L = Large Body
- Battery: B0 = No Battery
- Certification: Ex = IECEx & ATEX Standard / UL = NEC & CEC Standard
- Product Series: WBT = Wombat LED Luminaires

ADDITIONAL INSTALL NOTES

NOTE - PTFE tape may be used on threads to assist with assembly and prevent corrosion. It is not intended for sealing and does not provide Ex or IP protection. All required Ex-rated glands, seals, and IP-rated components must be installed as specified.



NOTE - Confirm the appropriate orientation Use the luminaire hinge to confirm appropriate orientation of the mount. Once confirmed tighten the set screw securely. Ensure minimum five full threads are engaged during installation.



A web based platform to manage and control smart wireless devices.
Accessible anywhere through an internet connected browser.

ENGLISH - DANGER / WARNING / CAUTION / CONDITIONS

DANGER - Only trained and qualified personnel are authorized to install, operate, or maintain this equipment. Avoid potential ignition sources, such as sparks, open flames, and hot surfaces, near this equipment. Ensure all wiring is rated, insulated, and secured to prevent sparking or arcing in hazardous locations.

WARNING - Ensure compliance with local and international standards when installing and operating this equipment in hazardous locations. Ensure all equipment and enclosures are properly sealed to prevent hazardous dust or gas ingress. Disconnect power before opening the enclosure and allow sufficient time for any stored energy to discharge. Use only Ex-certified cable glands, sealing methods, and components as per installation instructions. Confirm supply voltage and current do not exceed specified limits. Periodically inspect gaskets, seals, and cable glands for wear or damage that could affect safety. Ensure proper grounding and bonding in hazardous areas to prevent static buildup and ignition sources. No user-serviceable or field-replaceable parts are inside this equipment. Use heat resistant cables and glands (rated $\geq 90^{\circ}\text{C}$).

CAUTION - This equipment is intended for hazardous locations; unauthorized alterations may void certification and increase explosion risk. Install equipment in the specified orientation and mounting method to maintain safety and Ex protection. Regular inspection and maintenance are essential to comply with Ex protection standards. Do not operate equipment outside the specified temperature range, as it may compromise Ex protection. Operators should be familiar with emergency shutdown procedures in case of an accident or unexpected issue.

SPECIFIC CONDITIONS OF USE -The WOMBAT LED luminaire shall be mounted only in accordance with the manufacturer's instructions. The aluminum enclosures with a non-metallic coating featuring a non-conducting powder coat may generate an ignition-capable level of electrostatic charges under certain extreme conditions. The user should ensure that the equipment is not installed in a location where it may be subjected to external conditions (such as high-pressure steam) which might cause a build-up of electrostatic charges on non-conducting surfaces. Additionally, cleaning of equipment should be done with a damp cloth. All cable entry holes shall be fitted with either suitably approved cable glands or suitable approved stopping plugs that are appropriate for the application. As part of the re-lamping procedure, the gaskets are to be checked and replaced if found to be degraded. Clean the luminaire regularly to prevent dust accumulation. Under rated conditions, use only heat-resistant cables and glands rated for $\geq 90^{\circ}\text{C}$.

FRENCH - DANGER / AVERTISSEMENT / ATTENTION / CONDITIONS


DANGER - Seul du personnel qualifié et qualifié est autorisé à installer, exploiter ou entretenir cet équipement. Évitez les sources d'inflammation potentielles, telles que les étincelles, les flammes nues et les surfaces chaudes, près de cet équipement. Assurez-vous que tout le câblage est classé, isolé et sécurisé pour éviter les étincelles ou les arcs dans les endroits dangereux.

AVERTISSEMENT - Assurer la conformité aux normes locales et internationales lors de l'installation et de l'exploitation de cet équipement dans des endroits dangereux. S'assurer que tous les équipements et les boîtiers sont correctement scellés pour empêcher la poussière dangereuse ou l'entrée de gaz. Débrancher l'alimentation avant d'ouvrir l'enceinte et laisser suffisamment de temps pour que toute énergie stockée puisse être évacuée. Utilisez uniquement les glandes de câbles certifiées Ex, les méthodes d'étanchéité et les composants conformément aux instructions d'installation. Confirmer la tension d'alimentation et le courant ne dépassent pas les limites spécifiées. Inspectez périodiquement les joints, les joints d'étanchéité et les glandes de câbles pour détecter l'usure ou les dommages qui pourraient affecter la sécurité. Assurer une mise à la terre et une liaison appropriées dans les zones dangereuses pour prévenir l'accumulation statique et les sources d'allumage. Aucune pièce utilisable ou remplaçable sur le terrain ne se trouve à l'intérieur de cet équipement. Utilisez des câbles et des glandes résistants à la chaleur (évalués $\geq 90^{\circ}\text{C}$).

ATTENTION - Cet équipement est destiné aux endroits dangereux; les modifications non autorisées peuvent annuler la certification et augmenter le risque d'explosion. Installer l'équipement selon la méthode d'orientation et de montage spécifiée pour maintenir la sécurité et la protection Ex. L'inspection et l'entretien réguliers sont essentiels pour respecter les normes de protection Ex. Ne pas utiliser d'équipement en dehors de la plage de température spécifiée, car il peut compromettre la protection Ex. Les exploitants doivent connaître les procédures d'arrêt d'urgence en cas d'accident ou de problème imprévu.

CONDITIONS SPÉCIFIQUES D'UTILISATION - Le luminaire LED WOMBAT doit être monté uniquement conformément aux instructions du fabricant. Les boîtiers en aluminium avec revêtement non métallique et revêtement en poudre non conducteur peuvent générer des charges électrostatiques inflammables dans certaines conditions extrêmes. L'utilisateur doit s'assurer que l'équipement n'est pas installé dans un endroit où il pourrait être exposé à des conditions externes (comme de la vapeur à haute pression) susceptibles de provoquer une accumulation de charges électrostatiques sur les surfaces non conductrices. De plus, le nettoyage de l'équipement doit être effectué avec un chiffon humide. Tous les orifices d'entrée de câbles doivent être équipés de presse-étoupes ou de bouchons d'obturation homologués et adaptés à l'application. Lors du remplacement des lampes, les joints doivent être vérifiés et remplacés s'ils sont endommagés. Nettoyez régulièrement le luminaire pour éviter l'accumulation de poussière. Dans les conditions nominales, utilisez uniquement des câbles et des presse-étoupes résistants à la chaleur, conçus pour une température $\geq 90^{\circ}\text{C}$.

AGENCY RATING & HAZARDOUS LOCATION

IECEX CSAE 25.0017X	Ex nR IIC T6 Gc
	Ex tb IIIC T80° Db IP66
ATEX  (Gas) CSANe 25ATEX1051X (Dust) CSANe 25ATEX1052X	Ex II 3G Ex nR IIC T6 Gc
	Ex II 2D Ex tb IIIC T80° Db IP66

Applicable place are Gas: Zone 2; Dust: Zone 21, 22

NEC & CEC	Class I, Division 2, Groups A, B, C, D
	Class II, Division 1, Groups E, F, G
	Class II, Division 2, Groups F, G
	CIII
Suitable for Use Wet Locations	Marine Outside Type (Salt Water)
	NEMA 4X
	IP66

TEMPERATURE RANGE & T-CODE

NEC & CEC			
Rated Power	Ambient Temp	T-Code	
		CI D2	CII D1&D2 CIII
30W / 50W	-40°C to +65°C	T5	T5
75W	-40°C to +60°C		
100W	-40°C to +55°C		
120W / 150W	-40°C to +50°C		
180W / 200W / 240W	-40°C to +45°C	T4A	T4A

IECEX & ATEX			
Rated Power	Ambient Temp	Temp Class Gas ("nR")	Max. Surface Temp Dust ("tb")
30W / 50W	-40°C to +65°C	T6	+80°
75W	-40°C to +60°C		
100W	-40°C to +55°C		
120W / 150W	-40°C to +50°C		
180W / 200W / 240W	-40°C to +45°C		

ENTRY THREAD SIZE TABLE

The protection level of cable gland and conduit should be IP66 or above.

Thread Size	Ceiling Mount	Pendant Mount	Ceiling-Trunnion Mount	Pendant-Trunnion Mount	25° Stanchion Mount	90° Stanchion Mount	Wall Bracket
3/4" NPT Plug	✓	✓	✓	✓			✓
M25x1.5 Plug	✓	✓	✓	✓			✓
M20x1.5 Plug	✓	✓	✓	✓			✓
1" NPT Plug		✓		✓			✓
1-1/4" NPT					✓	✓	
1-1/2" NPT					✓	✓	

WIRING DIAGRAMS

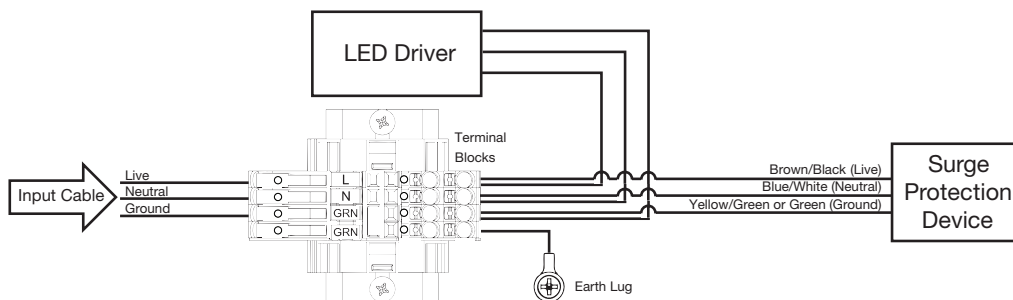
NOTE -

Terminal Block wiring. Move orange lever up until it "clicks", insert the conductor, move the lever back down.

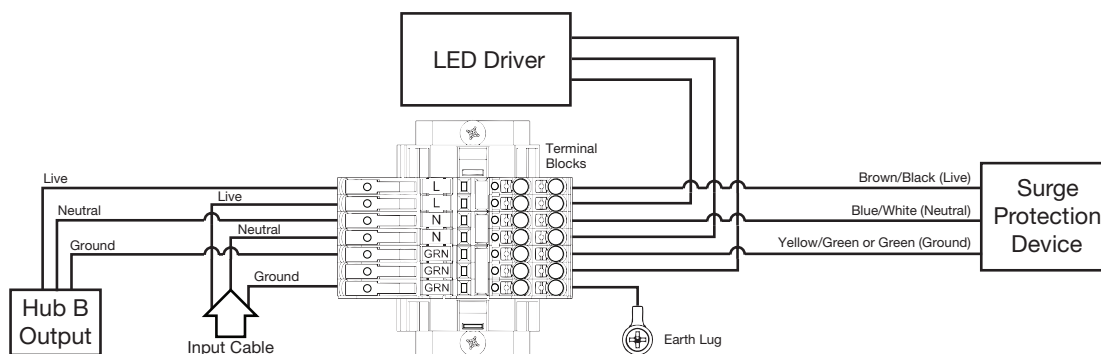


Conductor types: Solid conductor, stranded conductors, fine stranded conductors with or without ferrules.

WIRING DIAGRAM - OPTION A



WIRING DIAGRAM - OPTION B

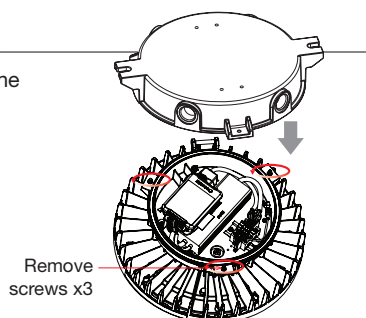


INSTALLATION INSTRUCTIONS

INSTALLATION INSTRUCTIONS (CEILING MOUNT)

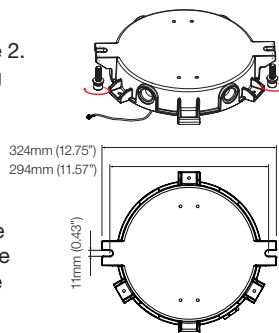
Step 1

Remove the three screws on the powerbox counterclock wise (4N.m / 3ft-lbs) disconnect ground cable from power box.



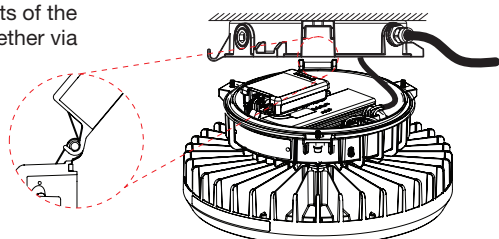
Step 2

Align the mount to the ceiling in the correct orientation as shown on page 2. Secure the mount to the ceiling using 2 x M10x35 bolts (13/32" x 1-3/16") with a torque of 17Nm (12.5 ft-lbs). Bolts are not provided. Ensure a minimum of five full threads are engaged during installation. Tighten the set screws securely. Apply grease as directed on page 2, then attach the conduit or cable gland. (Note that the conduit/cable gland is not provided.)



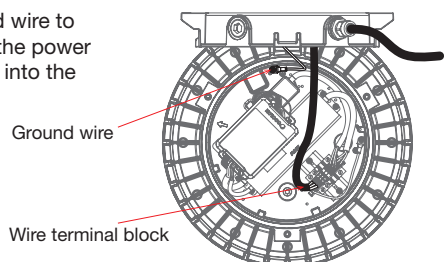
Step 3

Hook the 2 parts of the power box together via the hinge.



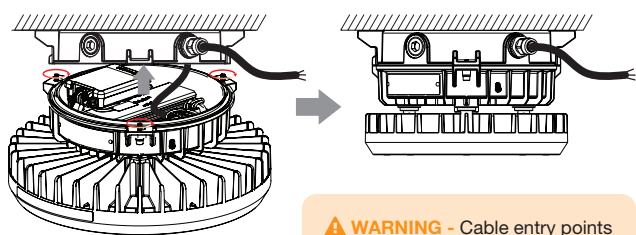
Step 4

Connect the ground wire to the upper cover of the power box. Wire the cable into the terminal block.



Step 5

Fix the 2 parts together with the three screws on the power box 3 x M10x35 (13/32" x 1-3/16") tighten 4N.m / 3ft-lbs. Ensure all threads are tighten and luminaire sealed to IP66 standard.

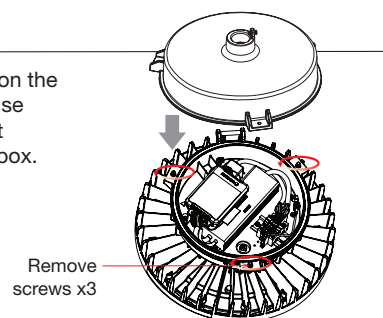


WARNING - Cable entry points not in use require a plug installed.

INSTALLATION INSTRUCTIONS (PENDANT MOUNT)

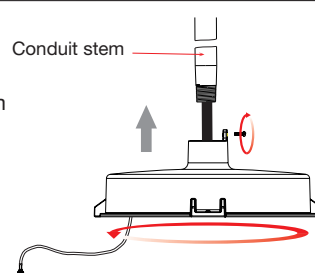
Step 1

Remove the three screws on the powerbox counterclock wise (4N.m / 3ft-lbs) disconnect ground cable from power box.



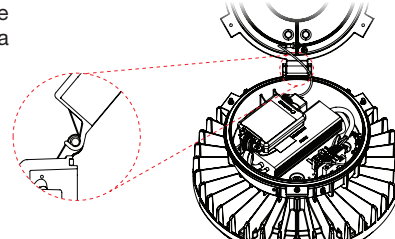
Step 2

Remove Set screw (M4x12, 5/32" x 15/32"). Grease and connect conduit stem (page 2). Ensure minimum five full threads are engaged during installation. Confirm the appropriate orientation (page 2) of the mount and then Tighten Set screw 1.2N.m / 0.9ft-lbs.



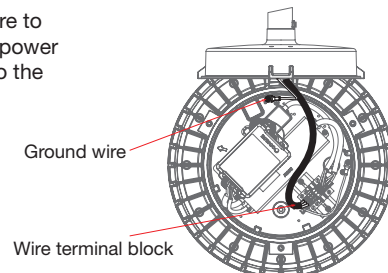
Step 3

Hook the 2 parts of the power box together via the hinge.



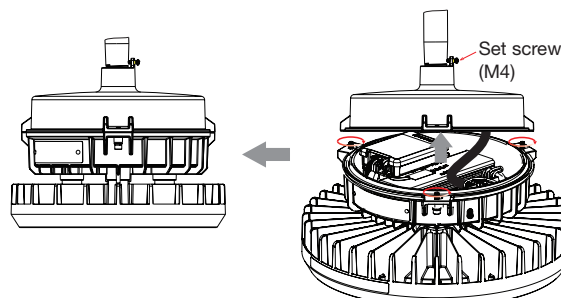
Step 4

Connect the ground wire to the upper cover of the power box. Wire the cable into the terminal block.



Step 5

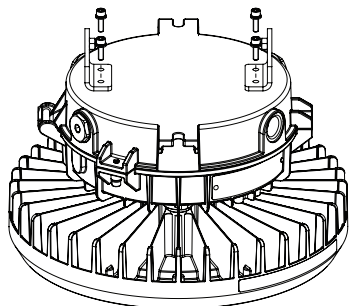
Fix the 2 parts together with the three screws on the power box 3 x M10x35 (13/32" x 1-3/16") tighten 4N.m / 3ft-lbs. Ensure all threads are tighten and luminaire sealed to IP66 standard.



INSTALLATION INSTRUCTIONS (CEILING TRUNNION MOUNT)

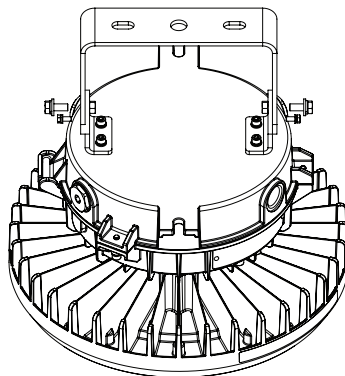
Step 1

Attach the L brackets with four screws to power box counterclock wise 4 x M10x35 (13/32" x 1-3/16") tighten 4N.m / 3ft-lbs.



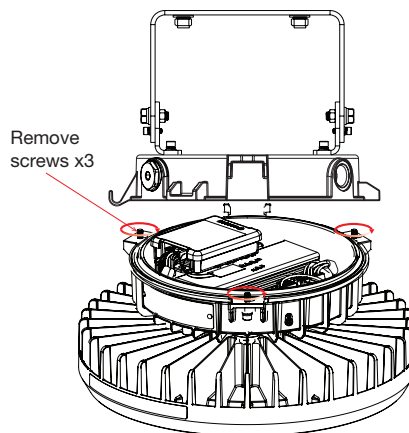
Step 2

Attach the trunnion bracket with screws to the L bracket 2 x M5x14 (3/16" x 9/16") tighten 2N.m / 1.5ft-lbs, 2 x M8x20 (5/16" x 25/32") tighten 8N.m / 6ft-lbs.



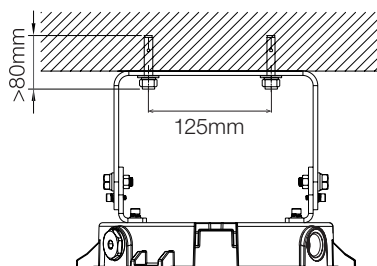
Step 3

Remove the three screws on the powerbox counterclock wise tighten 4N.m / 3ft-lbs.



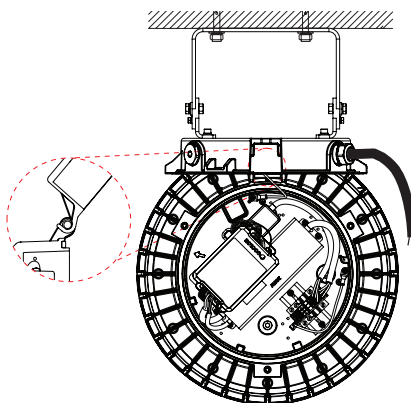
Step 4

Attach bracket to ceiling, recommended screw size M10-M12 80-120mm length (13/32" - 15/32", 3-1/8" - 4-3/4")(not provided). Ensure minimum five full threads are engaged during installation. Confirm the appropriate orientation (page 2) of the mount and then tighten the set screws securely. Apply grease as directed on page 2, then attach the conduit or cable gland. Note that the conduit/cable gland is not provided.



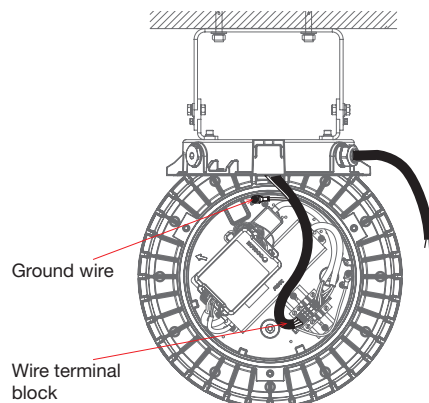
Step 5

Hook the 2 parts of the power box together via the hinge.



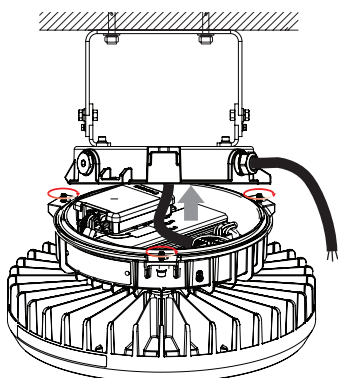
Step 6

Connect the ground wire to the upper cover of the power box. Connect and wire the power cable to the terminal block.



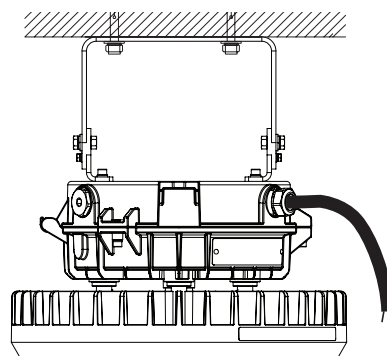
Step 7

Fix the 2 parts together with the three screws on the power box 3 x M10x35 (13/32" x 1-3/16") tighten 4N.m / 3ft-lbs.



Step 8

Ensure all threads are tighten and luminaire sealed to IP66 standard.

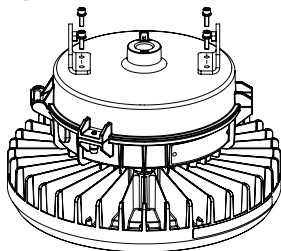


WARNING - Cable entry points not in use require a plug installed.

INSTALLATION INSTRUCTIONS (PENDANT TRUNNION MOUNT)

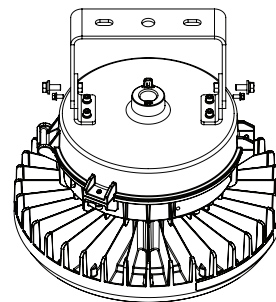
Step 1

Attach the L brackets with four screws to power box counterclock wise
4 x M10x35 (13/32" x 1-3/16")
(4N.m / 3ft-lbs).



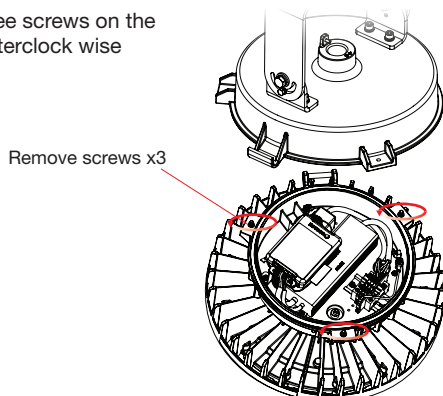
Step 2

Attach the trunnion bracket with screws to the L bracket counterclock wise
2 x M5x14 (3/16" x 9/16")
(2N.m / 1.5ft-lbs)
2 x M8x20 (5/16" x 25/32")
(8N.m / 6ft-lbs).



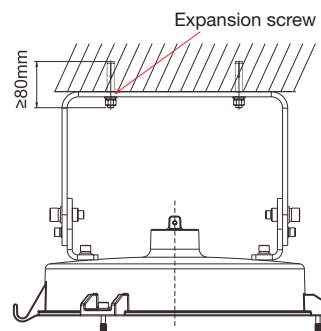
Step 3

Remove the three screws on the powerbox counterclock wise
(4N.m / 3ft-lbs)



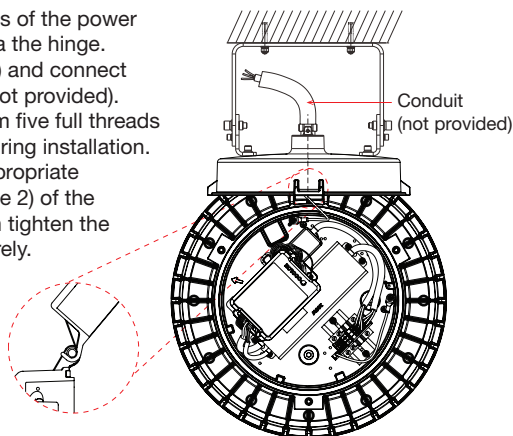
Step 4

Fix expansion screws to the ceiling surface, recommended 80-120mm length screws M10-M12 (13/32" - 15/32", 3-1/8" - 4-3/4") (not provided). Ensure minimum five full threads are engaged during installation. Confirm the appropriate orientation (page 2) of the mount and then tighten the set screws securely.



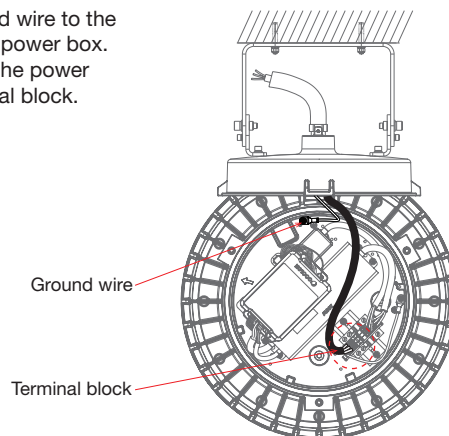
Step 5

Hook the 2 parts of the power box together via the hinge. Grease (page 2) and connect conduit stem (not provided). Ensure minimum five full threads are engaged during installation. Confirm the appropriate orientation (page 2) of the mount and then tighten the set screw securely.



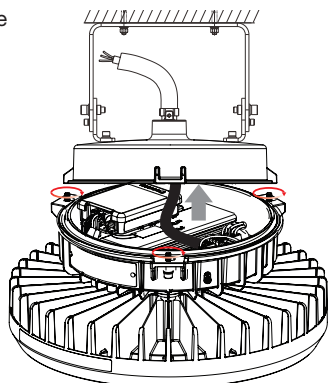
Step 6

Connect the ground wire to the upper cover of the power box. Connect and wire the power cable to the terminal block.



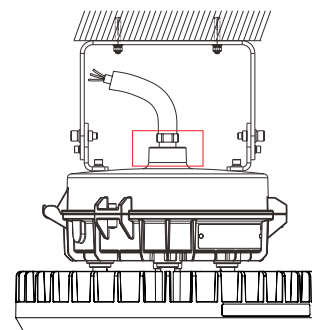
Step 7

Fix the 2 parts together with the three screws on the power box 3 x M10x35 (13/32" x 1-3/16") tighten 4N.m / 3ft-lbs.



Step 8

Ensure threads are tighten to conduit and luminaire sealed to IP66 standard. Then tighten the hub locking screw securely.

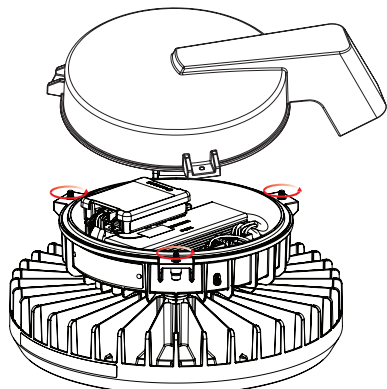


WARNING -
Cable entry points not in use require a plug installed.

INSTALLATION INSTRUCTIONS (25° / 90° STANCHION MOUNT)

Step 1

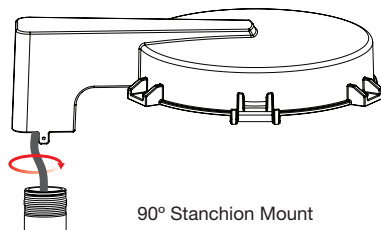
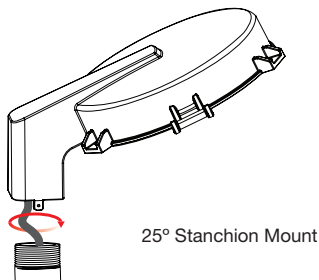
Remove the three screws on the powerbox counterclock wise (4N.m / 3ft-lbs).



Step 2

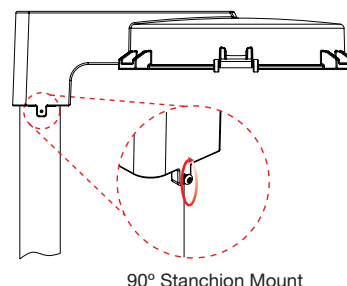
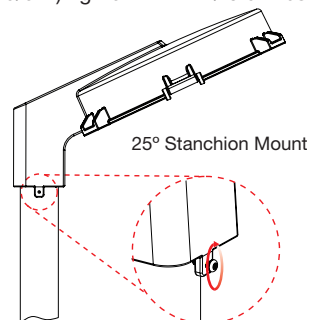
Grease (page 2) and connect conduit. Ensure minimum five full threads are engaged during installation.

NOTE - Conduit size 1-1/4" NPT or 1-1/2" NPT depending on ordered stanchion mounting option.



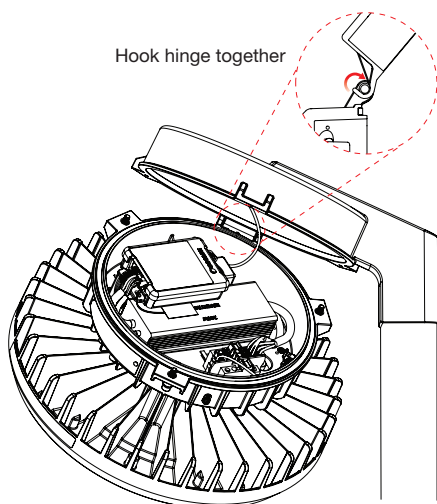
Step 3

Confirm the appropriate orientation (page 2) of the mount and then tighten securely. Tighten Set screw (M4x12, 5/32" x 15/32") tighten 1.2N.m / 0.9ft-lbs.



Step 4

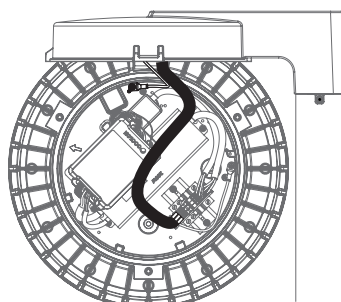
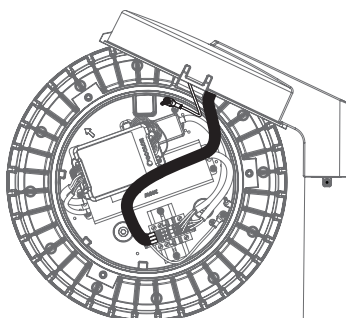
Hook the 2 parts of the power box together via the hinge.



WARNING - Cable entry points not in use require a plug installed.

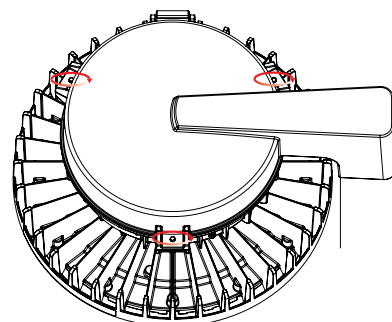
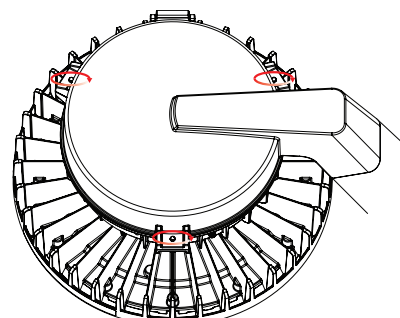
Step 5

Connect the ground wire to the upper cover of the power box and wire the cable into the terminal blocks.



Step 6

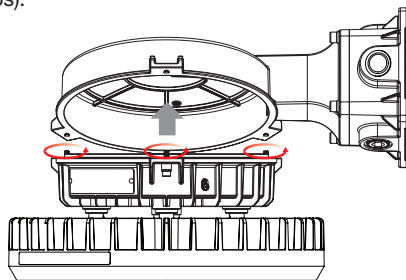
Fix the 2 parts together with the three screws on the power box 3 x M10x35 (13/32" x 1-3/16") tighten 4N.m / 3ft-lbs.



INSTALLATION INSTRUCTIONS (WALL BRACKET)

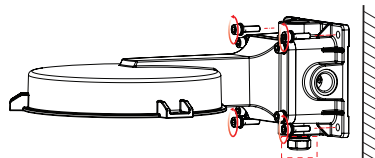
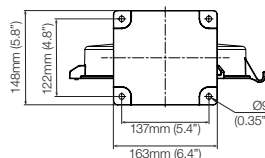
Step 1

Remove the three screws on the powerbox counterclock wise (4N.m / 3ft-lbs).



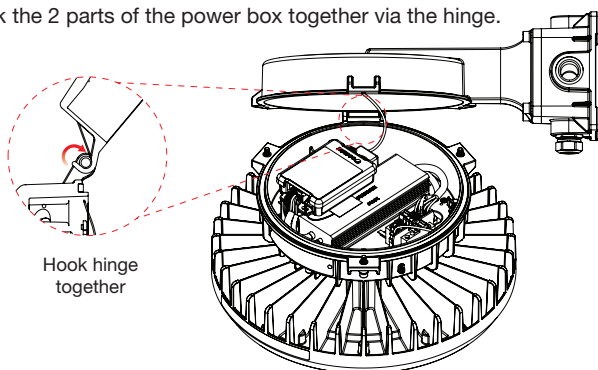
Step 2

Attach to wall, recommended screw size M8x30 (5/16" x 1-3/16") (not provided) tighten 9.5N.m / 7ft-lbs. Ensure minimum five full threads are engaged during installation. Confirm the appropriate orientation (page 2) of the mount and then tighten the set screws securely. Apply grease as directed on page 2, then attach the conduit or cable gland. Note that the conduit/cable gland is not provided.



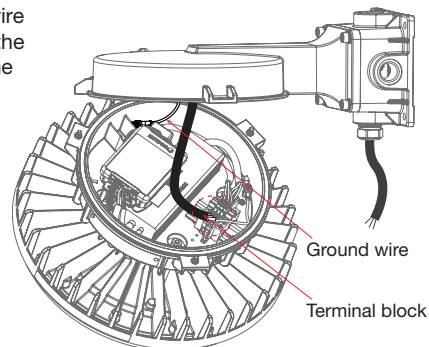
Step 3

Hook the 2 parts of the power box together via the hinge.



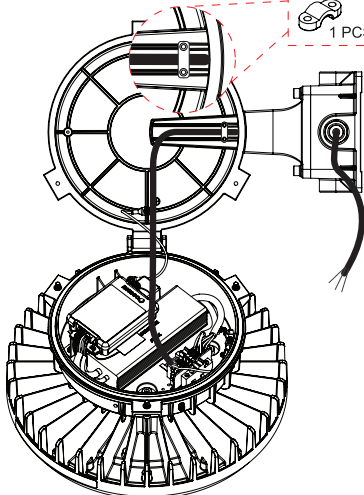
Step 4

Connect the ground wire to the upper cover of the power box and wire the cable into the terminal blocks.



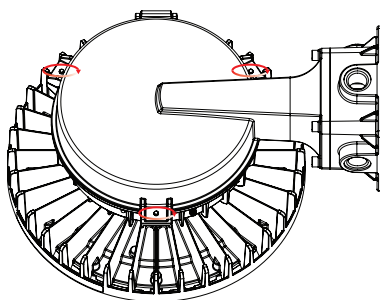
Step 5

Attach the cable support with 2 x M4x12 (5/32" x 15/32") tighten 1.2N.m / 0.9ft-lbs.



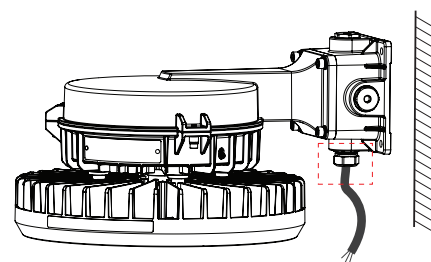
Step 6

Fix the 2 parts together with the three screws on the power box 3 x M10x35 (13/32" x 1-3/16") tighten 4N.m / 3ft-lbs.



Step 7

Ensure all threads are tighten and luminaire sealed to IP66 standard.



WARNING - Cable entry points not in use need a plug installed.

IMPORTANT

Primary use: conveyor light for commercial and industrial applications. The light source of this luminaire is not replaceable, when the light source reaches its end of life the whole luminaire shall be replaced.

- Read through this manual before installation
- Handle the product with care
- The product must be grounded
- The product must be installed by a suitably qualified person
- Do not stare at operating lamp, may be harmful to the eyes

- Turn OFF the power before installation and maintenance
- Make sure the product is securely installed
- The housing might become hot after operation
- Keep optical face clean

