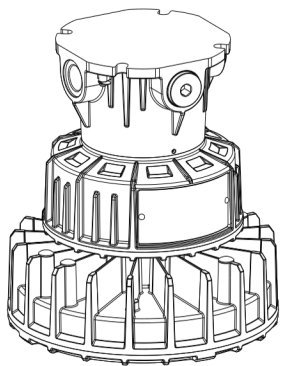


FLUS2IRARI

EXPLOSION PROOF B



This product comply with below standard:

IEC60079-0:2017, 7th Edition
IEC60079-1:2014, 7th Edition
IEC60079-31:2022, 3th Edition
EN IEC 60079-0:2018
EN 60079-1:2014
EN 60079-31:2014

Applicable places are:

Gas: Zone 1,2 Dust: Zone 21, 22

Certifications:

IECEX:
Ex db IIC T6/T5 Gb
Ex tb IIIC T80°C/T95°C Db IP66
IECEX Certificate: IECEX TUR 21.0033X
ATEX:
II 2G Ex db IIC T6/T5 Gb
II 2D Ex tb IIIC T80°C/T95°C Db IP66
ATEX Certificate: TÜV 21 ATEX 8703 X

Typical application sites are: Chemical plant, oil and gas refineries, drilling rigs, petrochemical facilities, pulp and paper plant, foundries, waste and sewage treatment plant, pharmaceutical plant, mining, power generation, paint spray booths and where flammable vapors, gases, ignitable dusts, fibers or flying are present.

Physical Dimensions (Unit: mm/inch)

Ceiling Mount

25° Stanchion Mount

Wall Bracket

Pendant Mount

Trunnion Mount

Dimensions (inch/mm)

Unit	Ceiling Mount			25° Stanchion Mount				Wall Bracket				Pendant Mount			Trunnion Mount			
	A	B	C	A	B	C	D	A	B	C	D	A	B	C	A	B	C	D
inch	10.8	7.0	9.8	10.8	7.0	9.8	12.6	10.7	7.0	9.8	13.2	11.5	7.0	9.8	13.7	11.5	11.2	9.1
mm	274	179	248	275	179	248	320	271	179	248	336	292	179	248	348	292	284	230

Installation and Operation Instructions

Warnings:

1. The product can be connected to a power supply of 100-277VAC 50/60Hz, as specified on the label on the product.
2. DO NOT dismantle, modify or replace any internal electronic components. If you have any confusion during installation, please contact local dealer or contact us directly.
3. Please be sure to turn off the power before installation, maintenance or any other actions that may touch the light.
4. DO NOT install the lights on the surface that is easy to be damaged and deformed.
5. Under no circumstances can this light be covered with thermal insulation or any other similar materials.
6. If emergency or abnormality occurs, please cut off the power firstly and contact your local dealer as soon as possible.
7. The product is suitable for both indoor and outdoor use. Please do not touch the light while it is working.
8. Any installation and maintenance must be performed by certified electricians only.
9. Do not open the enclosure when the light is working.
10. Do not use this luminaire on an ungrounded circuit, otherwise it can cause a fatal electric shock.
11. Do not look directly at the LEDs when energized.

Safety Installation Guides

It's very important to cut off the power before removing the fixtures. Also, installer needs to be a qualified electrician. Remember, cut off power for at least 5 minutes then operate the removal.

● On-site installing

This manual is to provide the user with professional installation information, because the lamp is used in dangerous areas, so the qualified electrician is required. The inlet screw is NPT thread or metric thread (See the nameplate for details), cable entry must be installed with certified cable gland or blanking plug.

● Use and setting-up

All wires need to be tested for proper connection and safe installation before use. In order to avoid the risk of electrical damage and installation safety problem, these jobs must be performed by a qualified electrician.

● Assembling and dismantling

Installer needs to read the instruction carefully before processing the assembling. Please feel free to contact the manufacturer if there is confusion during the installation.

● Training instructions for a safe use

Regards the wiring diagram please refers to installation detailed instruction below. Normally, brown (or black) wire connects to live wire, blue (or white) to nature wire, green with yellow (or green) strips to the grounding.

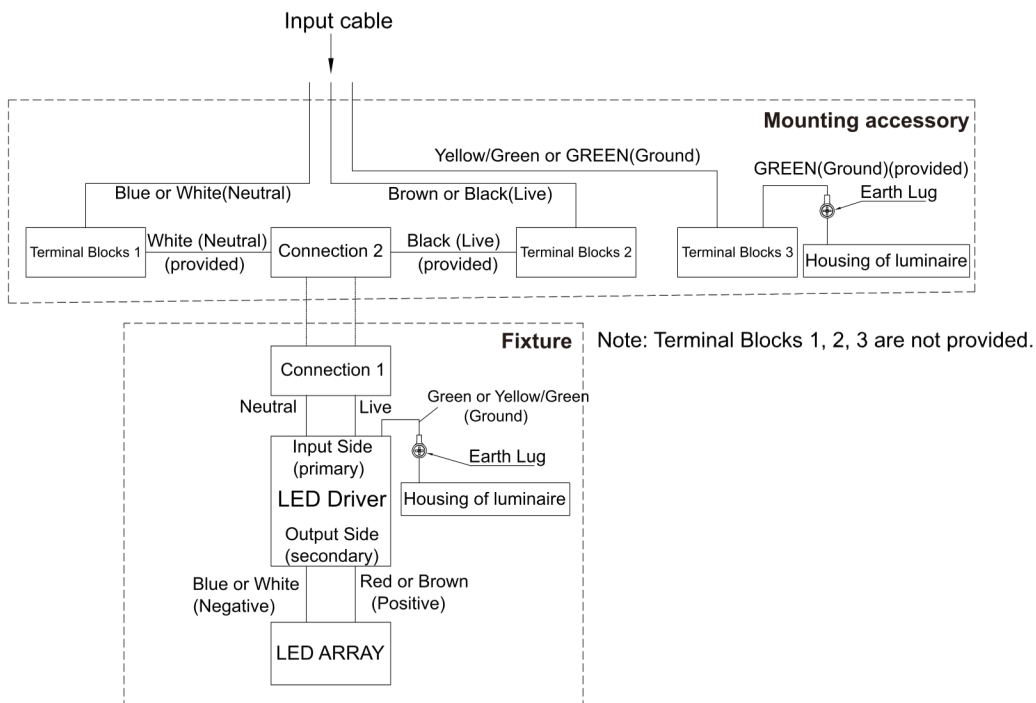
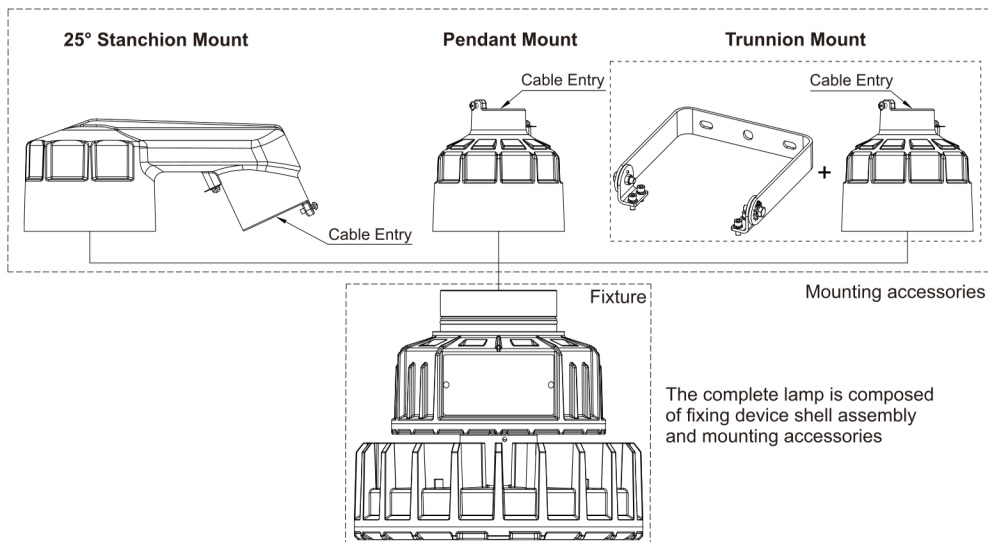
Special conditions for safe use:

1. End users shall adhere to the manufacturer's User manual: Use heat resistant cables and glands (not less than a service temperature of 102°C)
2. End users shall use Ex-certified cable glands and blanking elements with suitable type of protection for installation purpose. Minimum IP66 for chosen cable glands and blanking elements.
3. Electrostatic charging hazard – clean only with a damp cloth.
4. The product model, ambient temperature and temperature group list are as follows:

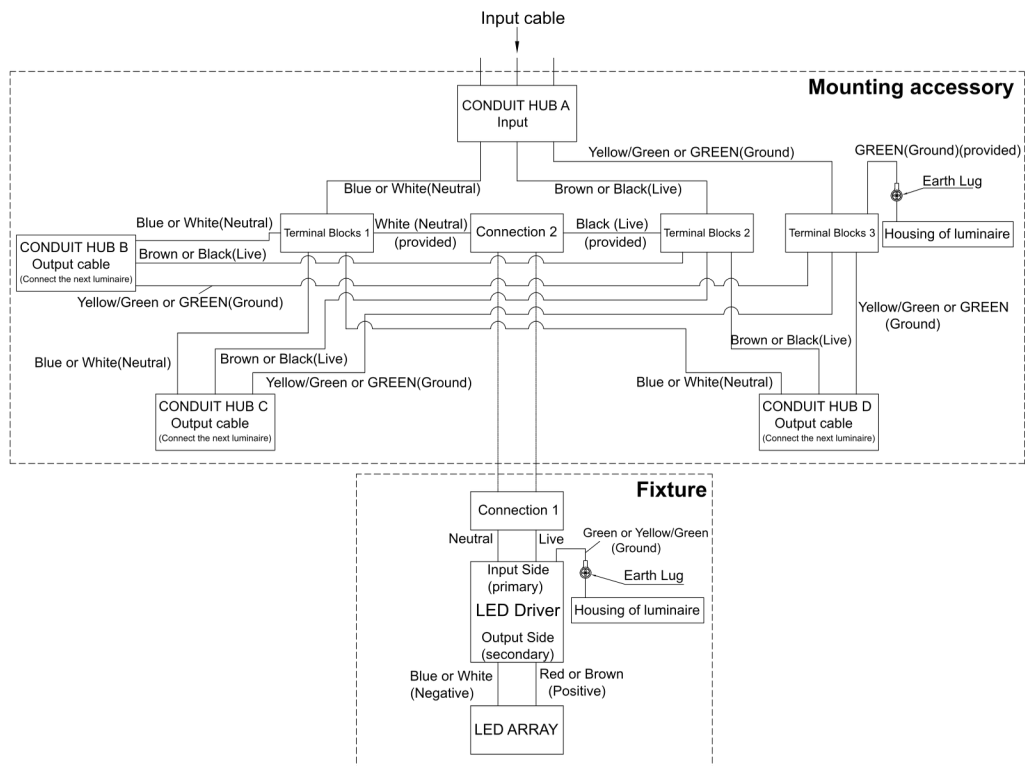
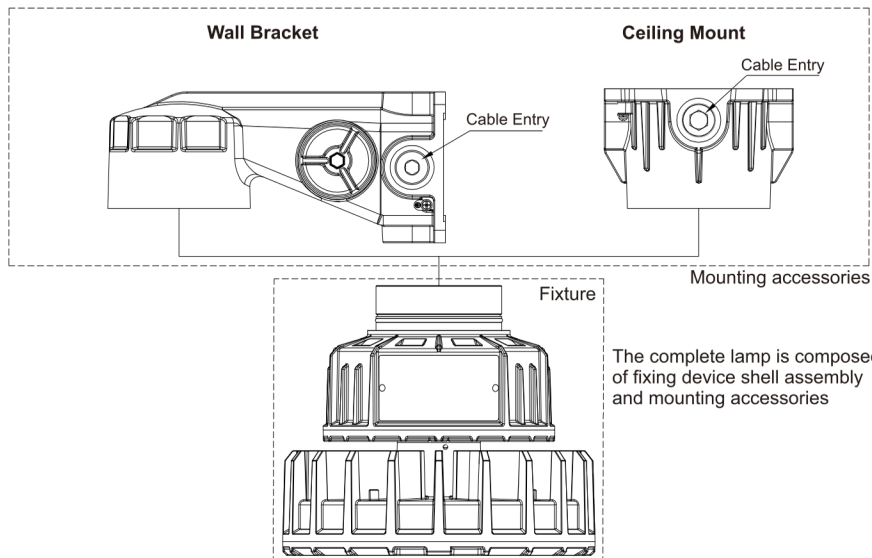
Product model	Tamb	Temperature class	Maximum surface temperature
		Gas("db")	Dust("tb")
40420030 40420040 40420050	-40°C to +65°C	T6	80°C
40420060 40420070	-40°C to +65°C	T5	95°C
	-40°C to +55°C	T6	80°C

Wiring Diagram

One cable entry



Four cable entry

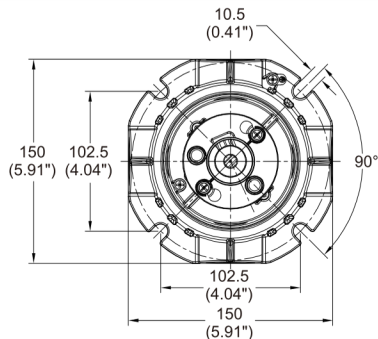
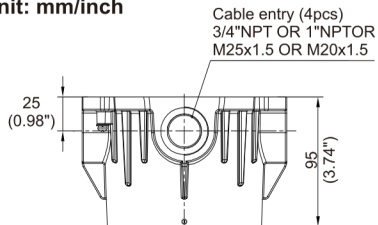


Note:

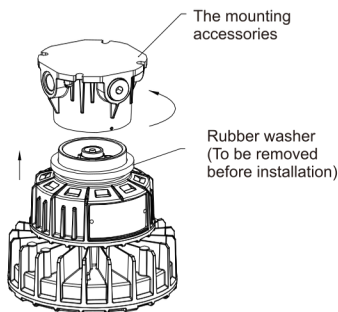
- 1.Terminal Blocks 1, 2, 3 are not provided.
- 2.CONDUIT HUB B, C, and D can be used for Interconnect luminaire and should be blocked with plugs when not in use.

Ceiling Mount

Unit: mm/inch

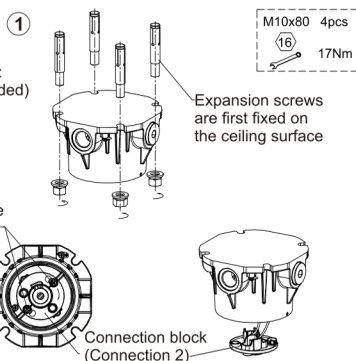


1

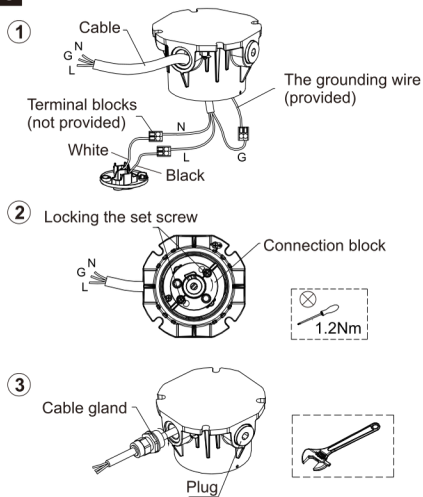


2

Recommended Expansion screws:
M10x80 (not provided)

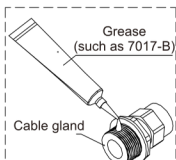


3

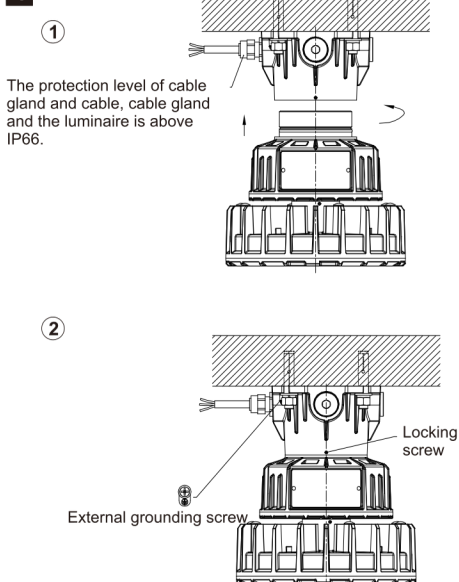


Notice:

- Use heat resistant cables and glands (rated 102°C).
- Shall use certified cable glands with suitable type of protection for installation purpose. Minimum IP66 for chosen cable glands.
- Before installation, the threads on the cable glands should be coated with grease (such as High and Low Temperature Grease 7017-B), and evenly coated.
- Cable entry should be blocked by plugs when not in use.



4



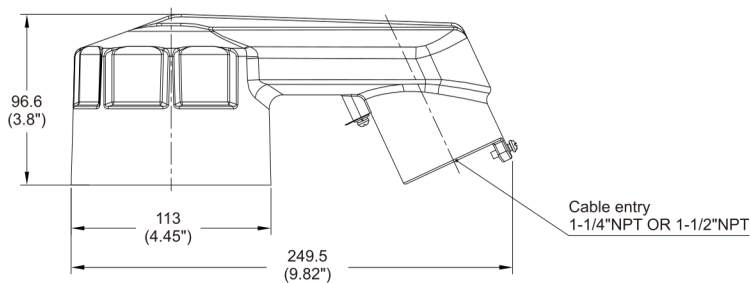
Notice:

- Connect the grounding wire (the cross-sectional area of the wire is not less than 4mm²) to the external grounding screw of the luminaire.

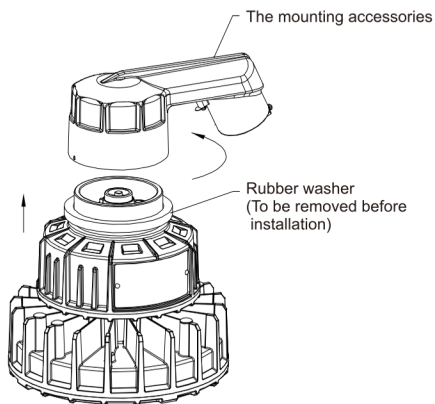


25° Stanchion Mount

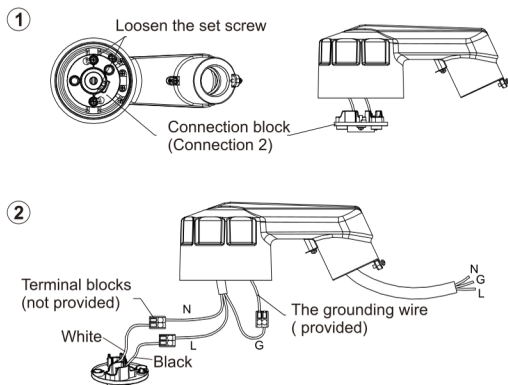
Unit: mm/inch



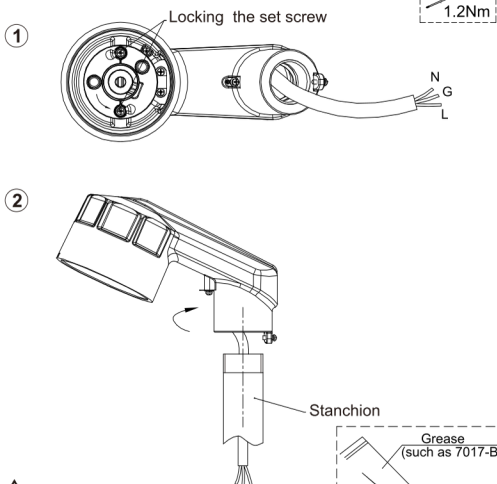
1



2



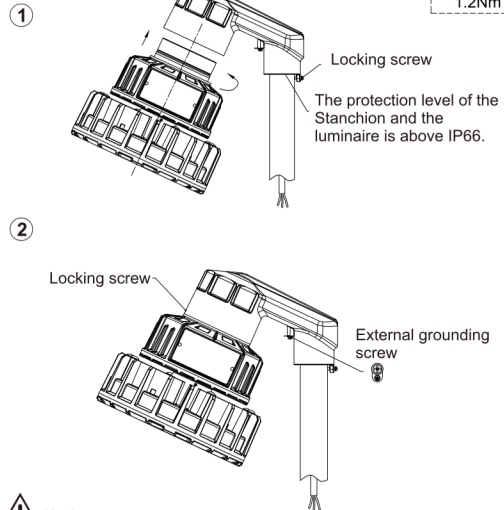
3



Notice:

- Use heat resistant cables (rated 102°C).
- Before installation, the threads on the stanchion should be coated with grease (such as High and Low Temperature Grease 7017-B), and evenly coated.

4



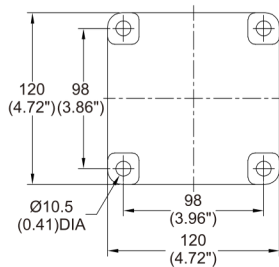
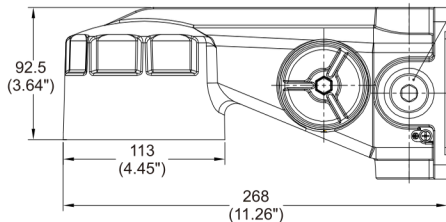
Notice:

- Connect the grounding wire (the cross-sectional area of the wire is not less than 4mm²) to the external grounding screw of the luminaire.

Wall Bracket

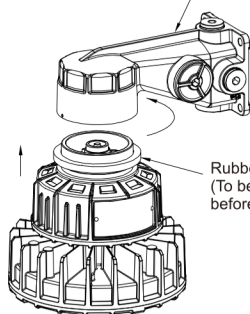
Unit: mm/inch

Cable entry (4pcs)
3/4"NPT OR 1"NPT
OR M25x1.5 OR M20x1.5



1

The mounting accessories



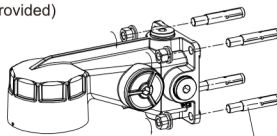
Rubber washer
(To be removed
before installation)

2

Recommended
Expansion screws:
M10x80 (not provided)

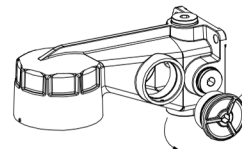
M10x80 4pcs
16
17Nm

①



Expansion screws are
first fixed on the wall surface

②

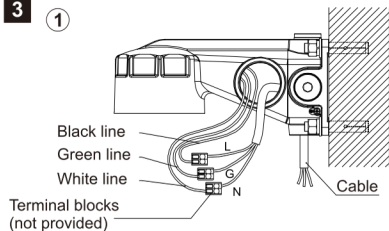


Cover plate



3

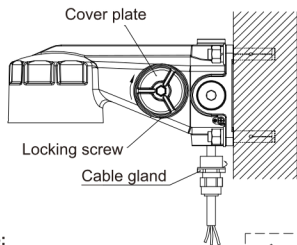
①



Terminal blocks
(not provided)

Cable

②



Cover plate

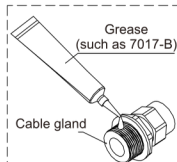
Locking screw

Cable gland



Notice:

- Use heat resistant cables and glands (rated 102°C).
- Shall use certified cable glands with suitable type of protection for installation purpose. Minimum IP66 for chosen cable glands.
- Before installation, the threads on the cable glands should be coated with grease (such as High and Low Temperature Grease 7017-B), and evenly coated.
- Cable entry should be blocked with plugs when not in use.

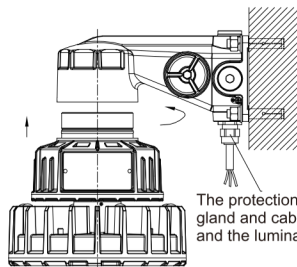


Grease
(such as 7017-B)

Cable gland

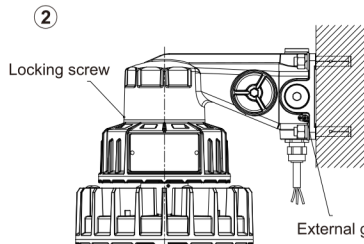
4

①



The protection level of cable
gland and cable, cable gland
and the luminaire is above IP66.

②



Locking screw

External grounding screw

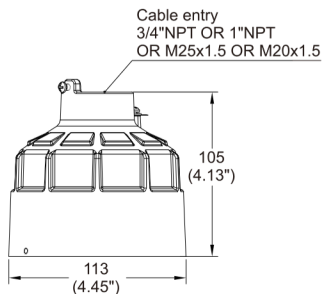
Notice:

- Connect the grounding wire (the cross-sectional area of the wire is not less than 4mm²) to the external grounding screw of the luminaire

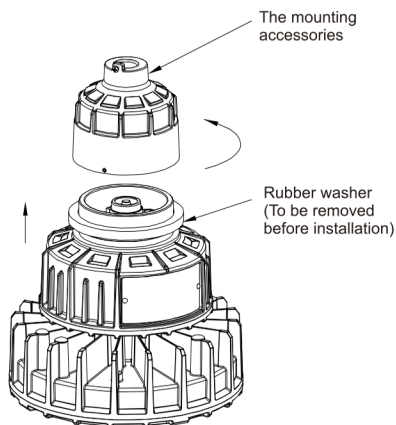
2
1.2Nm

Pendant Mount

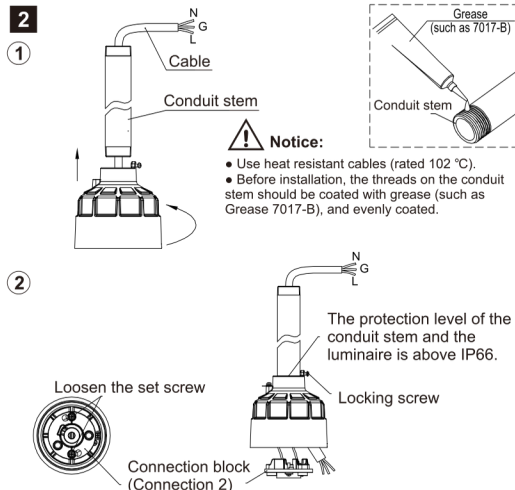
Unit: mm/inch



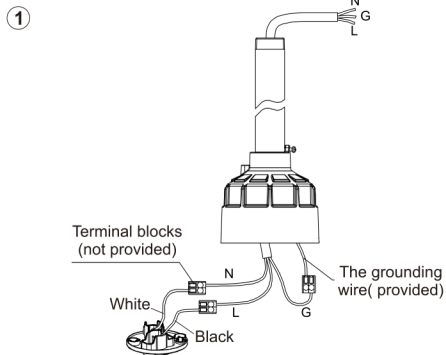
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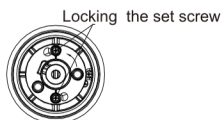
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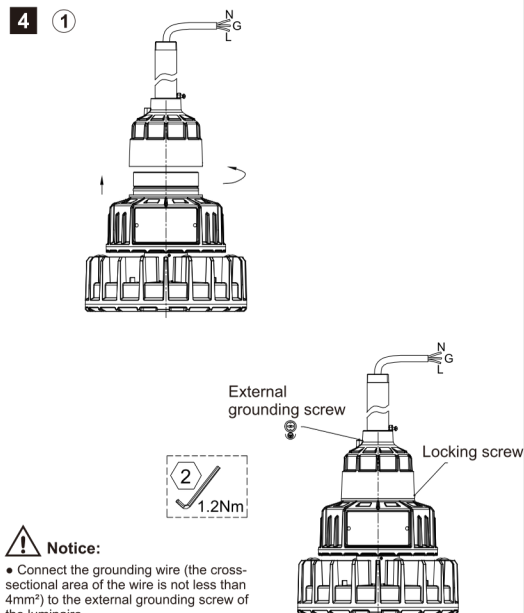
3



2

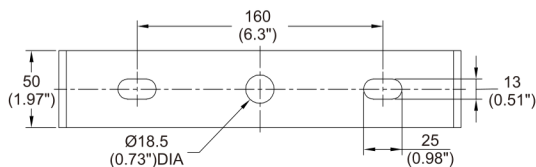


4

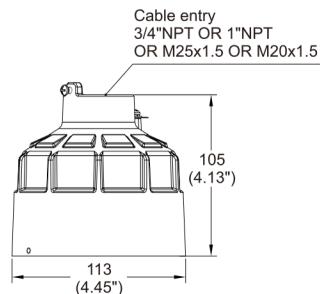


Trunnion Mount

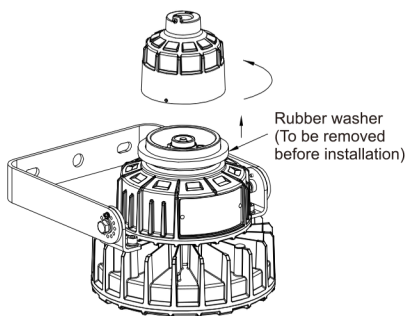
Unit: mm/inch



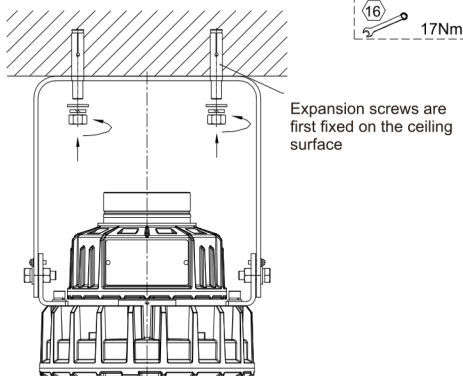
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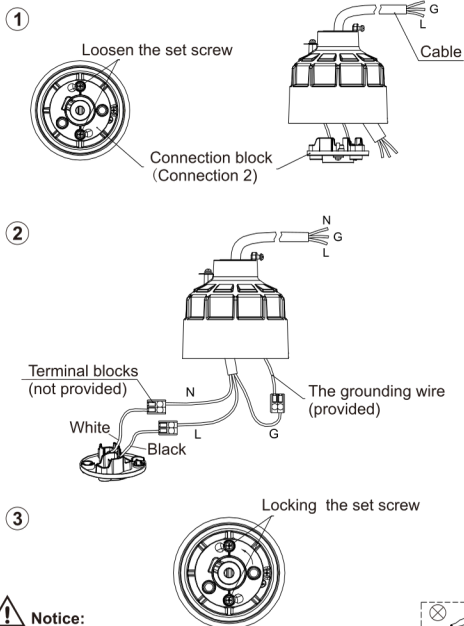
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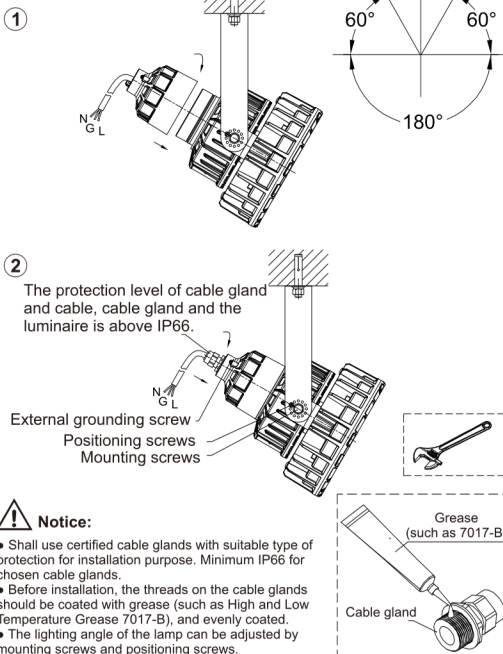
2



3

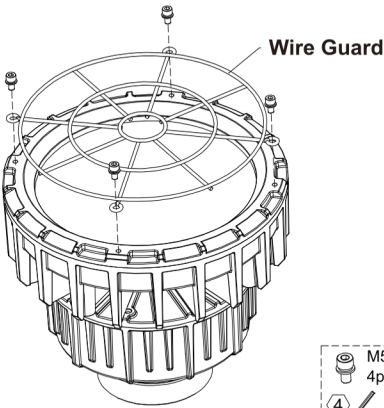


4

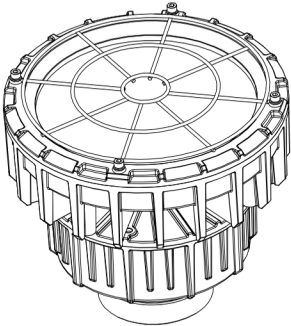


Accessory Mount

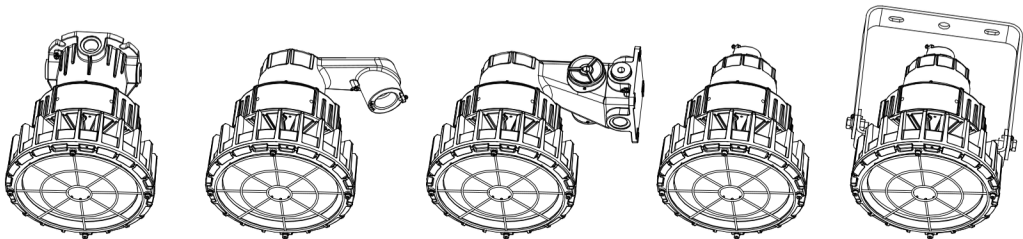
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2



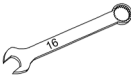
Wire Guard - If provided, it would be mounted on the luminaire. No additional installation is required.



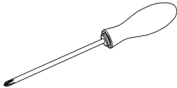
Tools That May Be Used During Installation



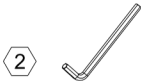
Adjustable wrench



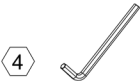
Bayonet wrench



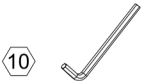
Cross screwdriver



Internal hexagonal wrench



Internal hexagonal wrench



Internal hexagonal wrench