Gladiator G2

THORN
LIGHTING

IP66 - IK10

Specification
This luminaire is designed to comply with the requirements of AS/NZS 60598.

Supply Voltage: 240V ~ 50Hz

Classification For Protection: Against electric shock: Class 1 earthed metalwork.

IP Rating: 66 - A 6-10mm Ø, circular electrical supply cable must be used to maintain the IP rating.

IK Rating: 4 x IK10 (80 Joules)

Maximum ambient operating temperature: Up to Ta: 40°C

Warning:
Installation must be carried out by a qualified electrician in accordance with local wiring regulations. Any modifications to the luminaire may be carried out exclusively by qualified personnel and according to applicable provisions and regulations.
Caution: Risk of electric shock.
Ensure that the rated voltage and frequency of the luminaire are compatible with the electrical supply.
Disconnect mains power supply before installing, servicing or maintaining the luminaire.
Hot plug-in is not an option! This means that the luminaire must always be disconnected from the mains whenever it is being worked on. Otherwise there is risk of damage to the LED.
The manufacturer, shall not be liable for any damage resulting from inappropriate modifications to the luminaire or faulty installation!

Non user replaceable light source:
The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.

Changes to specification:
The right is reserved to change the design and/or specification without prior notice or public announcement.
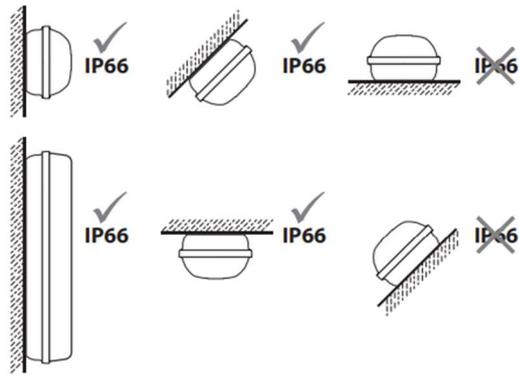
Flexible Lumen Selection:
Standard Gladiator G2 products are supplied as high output items, with the option of low output to be set by the end user.
Refer to instructions below on how to change from high output to low output and vice-versa.

⚠ Installation positions and IP rating

⚠ Care required when handling and installing

Note the location of the seals. Care must be taken when handling and installing the luminaire to avoid damaging the seals.

Base

Diffuser

Installation instructions

1.-Unlock the diffuser

Use a 10mm Allen key or optional Security Pin – (SP Key) to unlock the diffuser.

For first time installations, the "Safe T lock cover" x 2 are supplied in a plastic bag.

If access is required during luminaire maintenance and the Safe T lock covers are attached, remove them from both sides to access the T locking system (SLS) and unlock the diffuser.
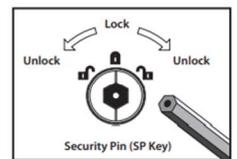
SP key ordering code:
96539525-GLADIATOR SP SECURITY ALLEN KEY

Remove
Safe-T lock covers
if required

Lock
Unlock / Unlock
10mm Allen Key

OR

Lock
Unlock / Unlock
Security Pin (SP Key)
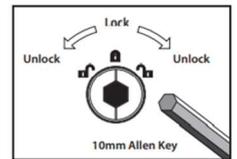
2.-Remove the diffuser

Turn the key in either a clockwise or anti-clockwise direction and hold - while removing the diffuser from the body. When the lock is released, slide the diffuser in the long axis of the body

Diffuser replacement codes:
96651905-GLADIATOR G2 DIFFUSER L6 PC OPAL
96651906-GLADIATOR G2 DIFFUSER L12 PC OPAL

3. Remove the Gear Tray

The Gear Tray may be fully detached to assist with installation; however, the earth wire must be reconnected to the body of the luminaire and the Earth connection continuity checked before switching on the mains power.

Gently pull the gear tray from the securing clips.
Use a screwdriver to dislodge the clips if needed.
Note: Use extreme care to avoid damaging the LED boards or LED diffuser (if supplied).

OPEN CLIPS TO RELEASE GEAR TRAY
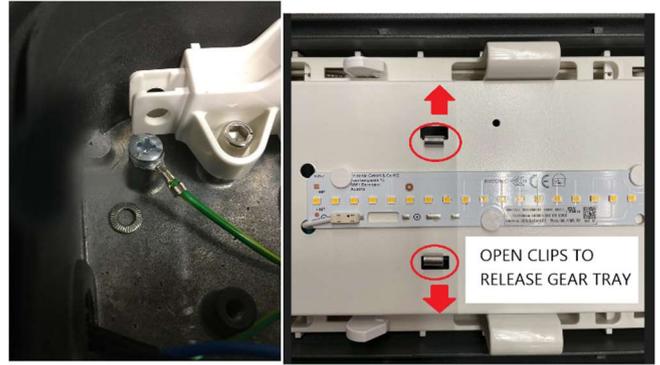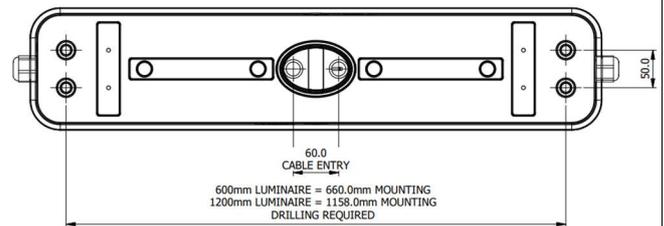
4. Prepare unit for mounting

Gladiator G2 uses a direct to surface type mounting
Note the location of the bracket guides and pilot holes for each installation option.
Using a maximum 6mm bit, drill out the required mounting holes for direct mounting
When drilling out the mounting holes, avoid damaging the sealing gaskets on the mounting face of the luminaire.
Remove any debris from the body before continuing with installation. Metal shavings or sharp burrs may affect insulation material and/or create short circuit.

50.0

60.0
CABLE ENTRY
600mm LUMINAIRE = 660.0mm MOUNTING
1200mm LUMINAIRE = 1158.0mm MOUNTING
DRILLING REQUIRED

Mounting dimensions:
600mm Luminaire = 660 x 50mm mounting
1200mm Luminaire = 1158 x 50mm mounting

5. Attach conduit, cable glands and electrical supply cable to fitting

Note the 4 entry point options available on the base. Fit the electrical supply cable, conduit and 20mm cable glands to the desired entry point on the base. Ensure the cable glands are tightened firmly.
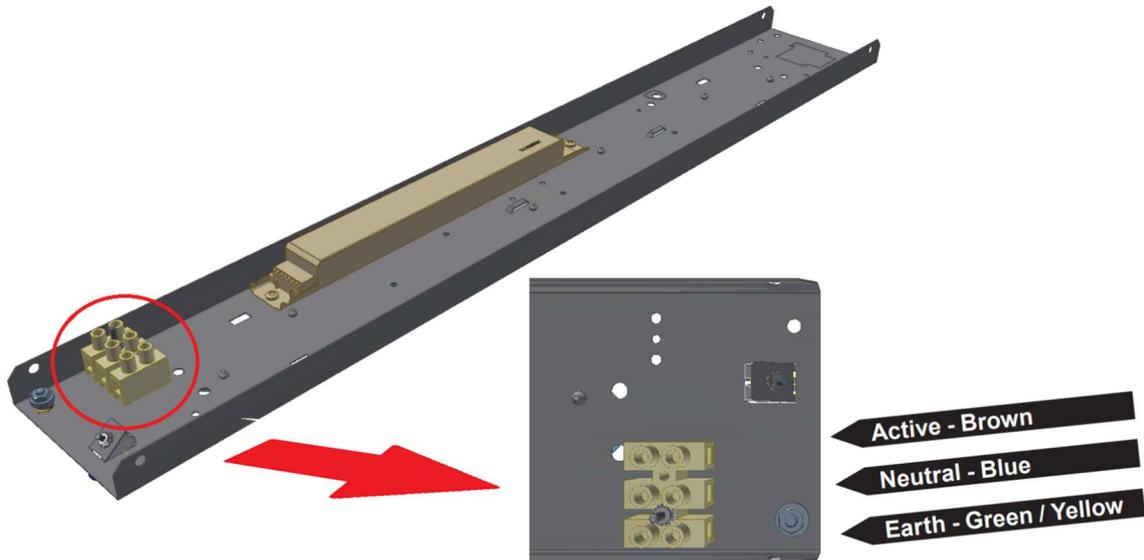

Conduit

Cable

Cable Gland
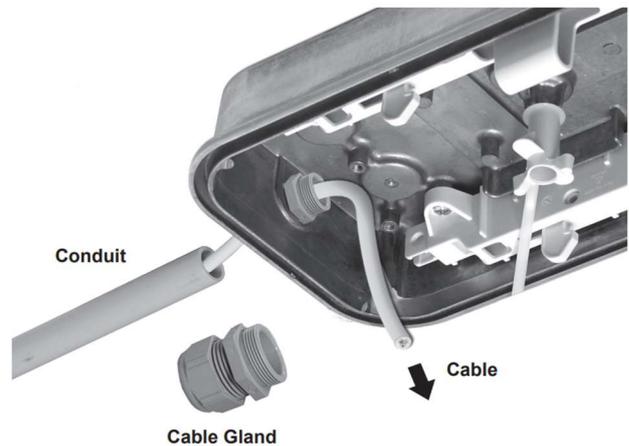
6. Make the electrical connections

Make the electrical connections at the terminal block.
For Non-dimmable luminaires connect mains to A-N-E.
For dimmable luminaires connect mains to A-N-E-D1-D2.

Active - Brown
Neutral - Blue
Earth - Green / Yellow

7.Emergency wiring

Generally, Emergency light fittings require an un-switched active (L') and a switched active.(L)
The un-switched active is designed to provide a permanent supply to the converter. When power fails, the relay in the converter switches to the integral battery supply which illuminates emergency the emergency led strip(s) only.

2 = L'
1 = L

N
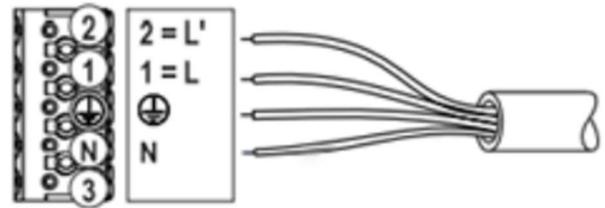
8.Changing Lumen output:

Gladiator luminaires are supplied as **high output** by default. A **low output** can be achieved by replacing the iSelect2 resistor as shown in the image.

1200mm luminaire = 6000lm (default)
1200mm luminaire = 4000lm (low output)

600mm luminaire = 3000lm (default).
600mm luminaire = 2000lm (low output).

USE SMALL FLAT SCREWDRIVER
TO RELEASE AND REPLACE iSELECT2
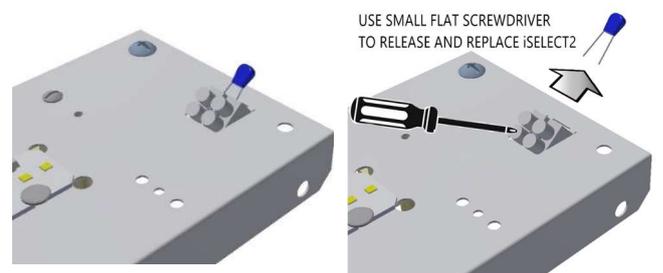
Use a small flat screwdriver and remove the existing resistor.

Replace resistor with the alternative item (supplied in plastic bag) and marked with the lower output to be achieved.

9.Attach the diffuser

Ensure the diffuser sealing gasket is clean and free of any foreign material that may interfere with the seal. Attach the diffuser to the base. Note the location of the hinges on the diffuser and base, they must align and engage before fully placing the diffuser onto the base. Firmly press the diffuser until it clicks (locks) into position. Fit the Safe-T lock covers to complete the installation.

Note: Missing Safe-T lock covers does not compromise the luminaire's IP rating.

Fit the Safe-T lock covers

Hinge
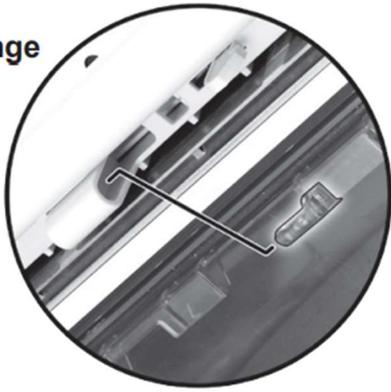
10.Microwave (MWS) versions

Function and options

1 On-off Function

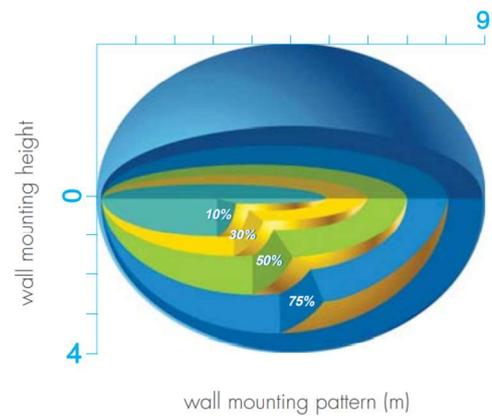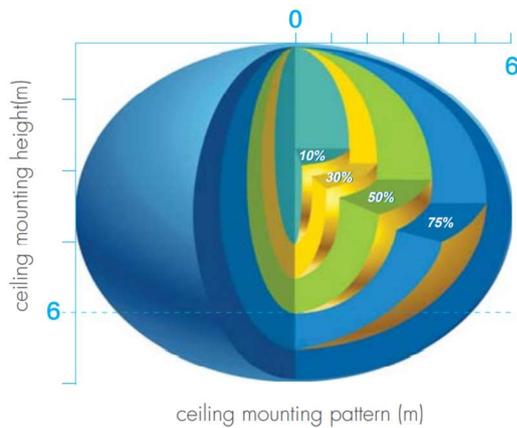With sufficient natural light, the light does not switch on when presence detected

With insufficient natural light, the sensor switches on the light automatically when person enters the room

After the hold time, then switch off automatically when no movement is detected.

Detection Pattern

ceiling mounting pattern (m)

wall mounting pattern (m)

Settings

❶ Detection area

Detection area can be reduced by selecting the combination on the DIP switches to fit precisely for each specific application.

	1	2	3	
I	●	●	●	100%
II	○	●	●	75%
III	●	○	●	50%
IV	●	●	○	30%
V	○	○	○	10%

I – Detection range 100%
II – Detection range 75%
III – Detection range 50%
IV – Detection range 30%
V – Detection range 10%

❷ Hold-time

Hold-time means the time period you would like to keep the lamp on 100% after the person has left the detection area.

	1	2	3	
I	●	●	●	5s
II	●	○	●	30s
III	●	○	○	1min
IV	○	●	●	5min
V	○	●	○	10min
VI	○	○	●	20min
VII	○	○	○	30min

I – 5s
II – 30s
III – 1minutes
IV – 5minutes
V – 20minutes
VI – 30minutes

❸ Daylight sensor

The daylight threshold can be set on DIP switches, to fit for particular application.

"daylight" : The lamp works always, even during daylight.
"twilight"   : The lamp works only in twilight .
"darkness" : The lamp works only in darkness.

	1	2	3	
I	●	●	●	Disable
II	○	●	●	50 Lux
III	○	○	●	20 Lux
IV	○	○	●	5 Lux
V	○	○	○	2 Lux

I – disabled
II – 50 lux
III – 20 lux
IV – 5 lux
V – 2 lux

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