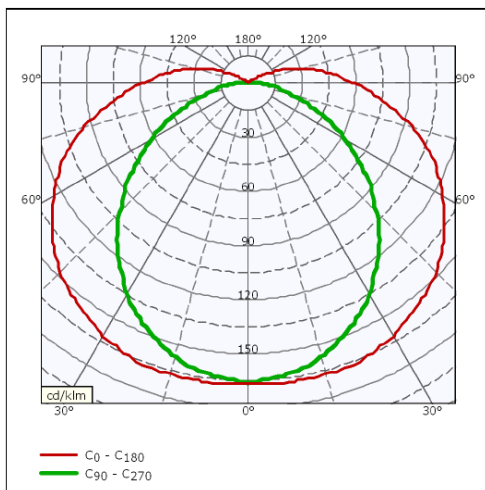


**IP65 FLUO 2X18W 2X36W****FEATRURES**

- Housing made of reinforced polyester glass fiber (GRP)
- High transparent and impact resistant PC diffuser
- Both standard and emergency modes available
- Operation and survive in extremely cold temperature down to minus 40 degrees (-40°C /-40°F)
- CE EMC, CE LVD approved
- With Philips or equivalent brands fluorescent lamps and electronic ballast EEI=A2
- IP65 rating

CHARACTERISTICS

2X18W

Item no.	FL02H218-2	FL02I218-2	FL02H218-2-H	FL02J218-2
GE part number	109W1982P005	109W1982P006	109W1982P007	109W1982P008
Characteristics	2x18W Light, Standard Weather (SW)	2x18W Light, Emergency Backup, SW	2x18W Light, Heater, Cold Weather (CW)	2x18W Light, Emergency Backup and Heater, CW
Lamp type	Fluorescent Lamp T8 2x18W			
Rated voltage	220-240VAC 50/60Hz			
Input power	36W	42W	36W	42W
	-	-	76W (Heater Works)	84W (Heater Works)
Input current	0.19-0.13A	0.20-0.14A	0.19-0.13A	0.20-0.14A
	-	-	0.32-0.35 (Heater Works)	0.35-0.38 (Heater Works)
Power factor	>0.98	>0.95	>0.98	>0.95
Battery voltage	/	1.8Ah, 4.8V	/	1.8Ah, 4.8V
Charging time	/	24H	/	24H
Discharge time	/	>90 minutes	/	>90 minutes
Operation temperature	-15~50°C	-15~50°C	-30~50°C	-30~50°C
Survival temperature	-20~60°C	-20~60°C	-40~60°C	-40~60°C
Lumen output	1800LM			
Battery life time	/	5 years	/	5 years
Abnormal protection	short-circuit Protection with auto-reset			
Applicable standards	EN60598-1, EN60598-2-1, EN61347-1, EN61347-2-7, EN55015, EN61000-3-2, EN61000-3-3, EN61547, IEC60721-3-3; IEC60721-3-3 class 3C1, class 3Z7 & class 3S1			

CHARACTERISTICS

2X36W

Item No	FL02H236-2	FL02I236-2	FL02H236-2-H	FL02J236-2
GE part No.			108W9547P006 108W9547P008	108W9547P004 108W9547P005
Characteristics	2x36W Light, Standard, Standard Weather (SW)	2x36W Light, Emergency Backup, SW	2x36W Light, Heater, Cold Weather (CW)	2x36W Light, Emergency Backup and Heater, CW
Lamp type	Fluorescent Lamp T8 2x36W			
Input voltage	220-240VAC 50/60Hz			
Input power	72W	75W	72W	75W
	-	-	112W (Heater Works)	115W (Heater Works)
Input current	0.30-0.33A	0.31-0.34A	0.30-0.33A	0.31-0.34A
	-	-	0.47-0.51A (Heater Works)	0.48-0.52A (Heater Works)
Power factor	>0.98	>0.95	>0.98	>0.95
Battery voltage	-	1.8Ah, 4.8V	-	1.8Ah, 4.8V
Charging time	-	24H	-	24H
Emergency time	-	>90 Minutes	-	>90 Minutes
Operation temperature	-15~50°C	-15~50°C	-30~50°C	-30~50°C
Survival temperature	-20~60°C	-20~60°C	-40~60°C	-40~60°C
Lumen output	3600LM			
Battery life time	-	5 years	-	5 years
Abnormal protection	short-circuit Protection with auto-reset			
Applicable standards	EN60598-1, EN60598-2-1, EN61347-1, EN61347-2-7, EN55015, EN61000-3-2, EN61000-3-3, EN61547, IEC60721-3-3; IEC60721-3-3 class 3C1, class 3Z7 & class 3S1			



FL02H218-2/FL02H236-2: Standard Luminaire, with CE approved Philips electronic ballast

FL02H218-2-H/FL02H236-2-H: Standard + Heating Luminaire, with CE approved Philips electronic ballast, automatic heating system

FL02I218-2/FL02I236-2: Emergency Luminaire, with CE approved electronic ballast and emergency module

FL02J218-2/FL02J236-2: Emergency + Heating Luminaire, with CE approved electronic ballast, emergency module and automatic heating system

Phenix Emergency module (type No.184010-1) is CE and UL approved. Battery pack is replaceable.



The **automatic heating system** is used to ensure the luminaire to work well under arctic weather condition.

GE product description added (without fluorescent lamps):

109W1982P005: 2x36W 230V/50Hz-Standard Luminaire, 2pcs M20 cable gland

109W1982P006: 2x36W 230V/50Hz-Built in emergency battery function, 2pcs M20 cable gland

109W1982P007: 2x18W 230V/50Hz-Built in heater, 2pcs M20 cable glands

109W1982P008: 2x18W 230V/50Hz-Built in emergency battery function, heater, 2pcs M20 cable glands

109W1982P102: Fluorescent lamp. T8, 18W

108W9547P006: 2x36W 230V/50Hz-Built in heater, 2pcs M20 cable glands

108W9547P008: 2x36W 230V/50Hz-Built in heater, 1pc M20 cable gland

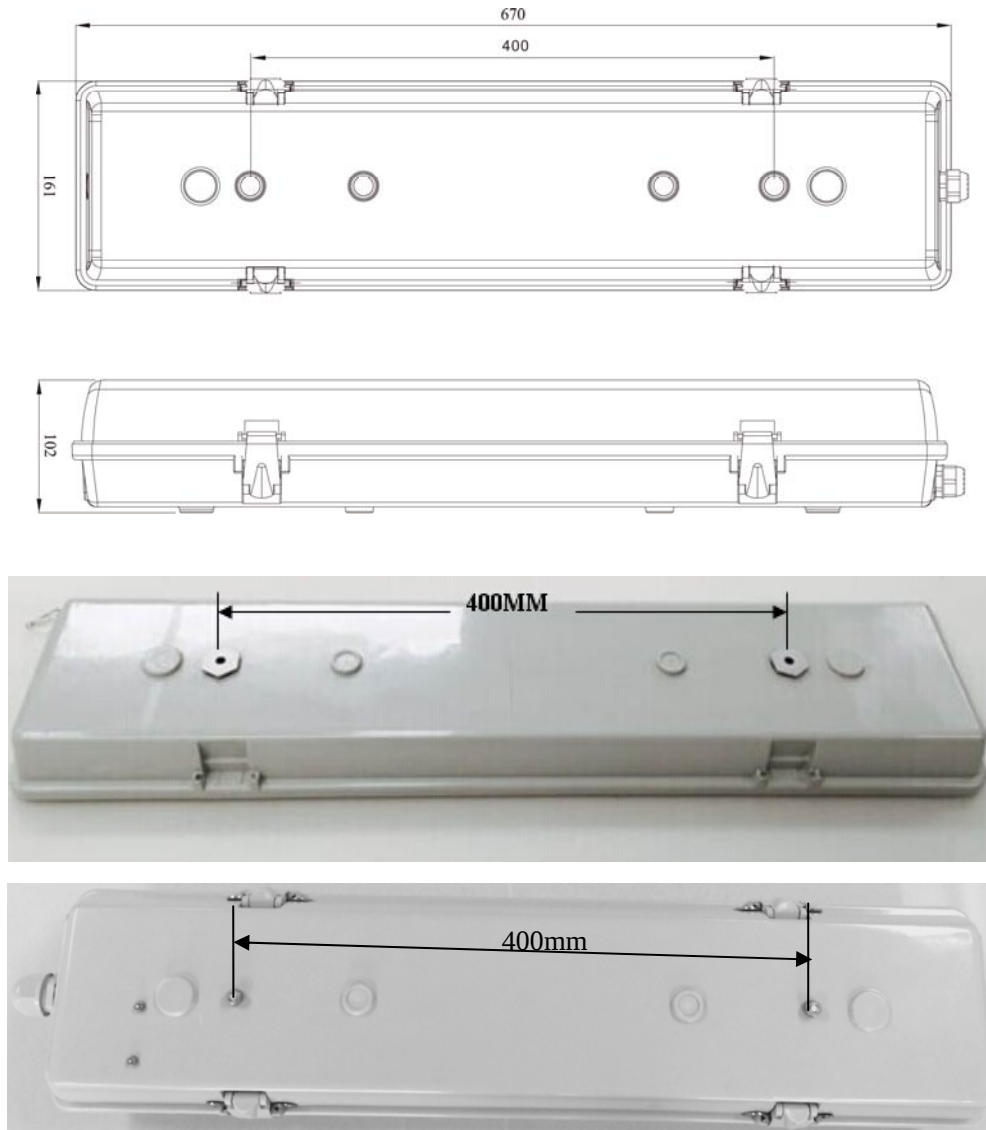
108W9547P004: 2x36W 230V/50Hz-Built in emergency battery function, heater, 1pc M20 cable gland

108W9547P005: 2x36W 230V/50Hz-Built in emergency battery function, heater, 2pcs M20 cable glands

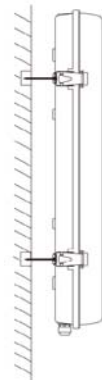
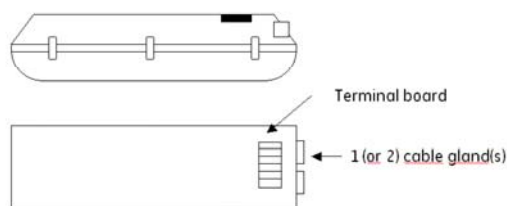
FL02H218-2/FL02I218-2/ FL02H218-2-H/FL02J218-2:

Mounting distance: 400mm

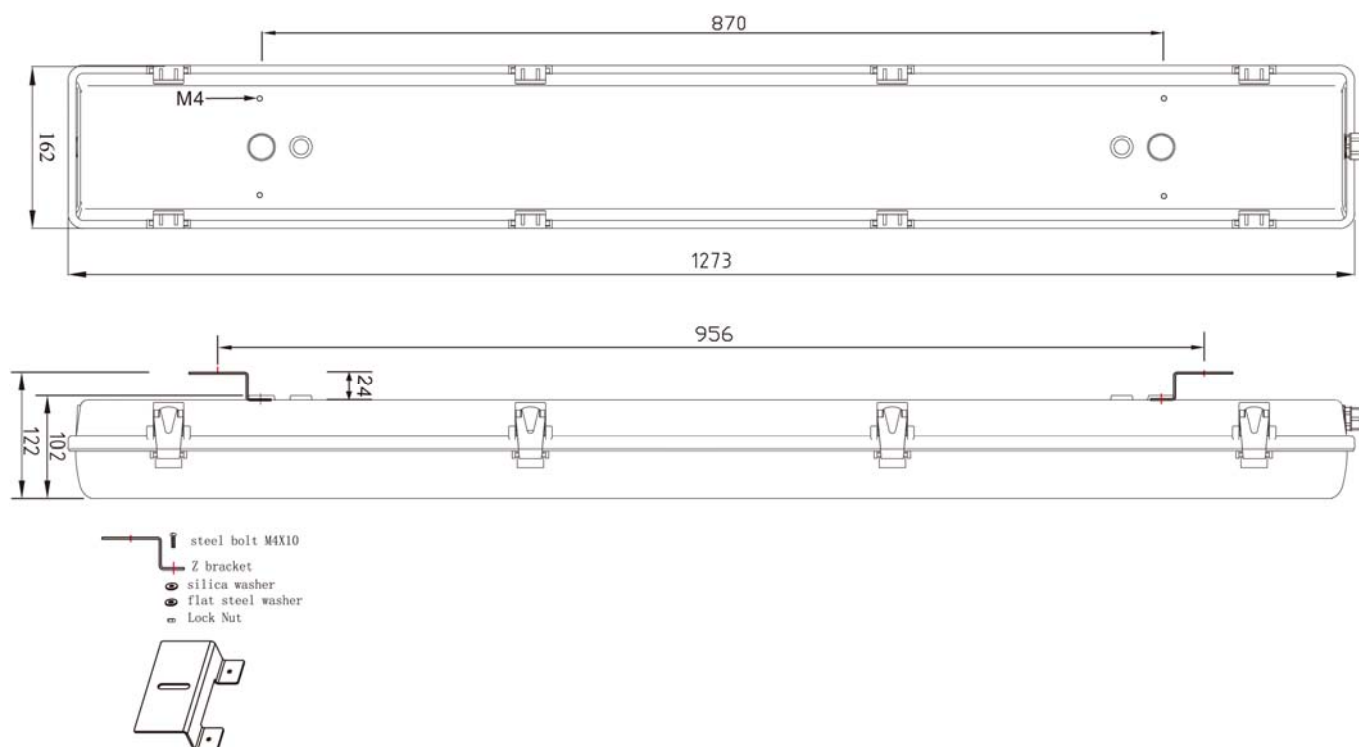
2pcs mounting holes ready for M6 crosshead or inner hexagon head bolts.

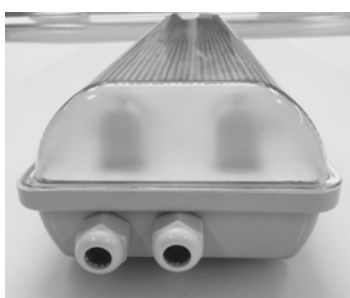


The terminal board side shall be prepared with two openings for installing of cable glands or a dummy plug (see sketch below). The lights have to be supplied with two cable glands (M20, minimum clamping range 7 - 13 mm), two locknuts (M20) and one dummy plug (M20).

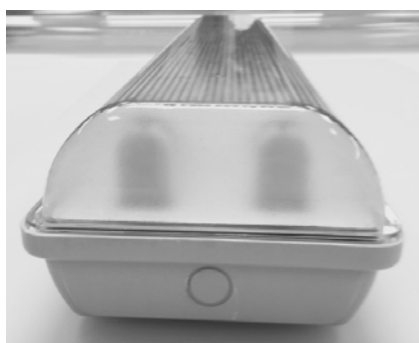


FL02H236-2/FL02I236-2/ FL02H236-2-H/FL02J236-2:

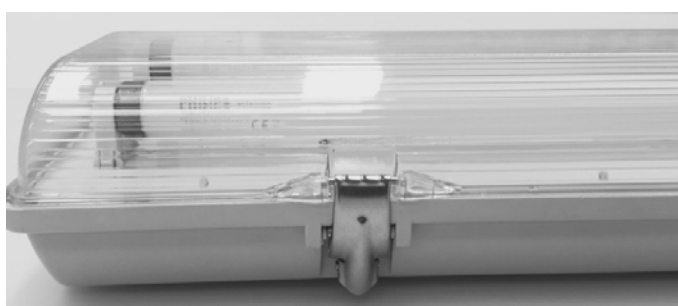
**Z brackets, 4 holes M4 for the Z brackets)**



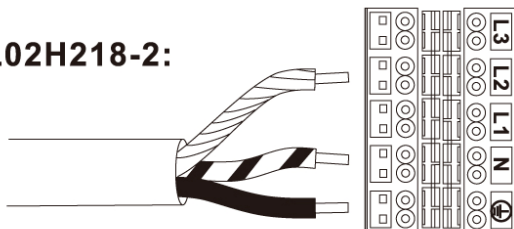
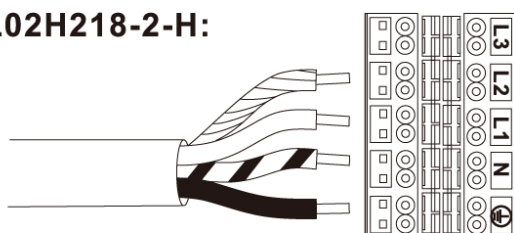
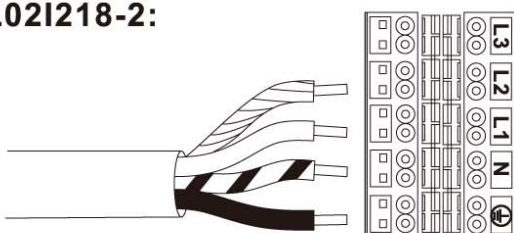
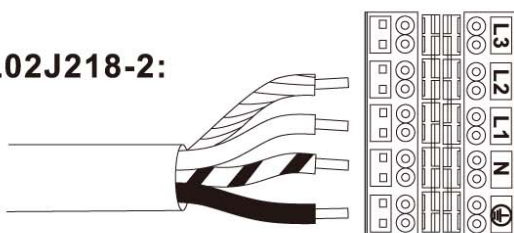
1 or 2PCS M20 cable gland on each side

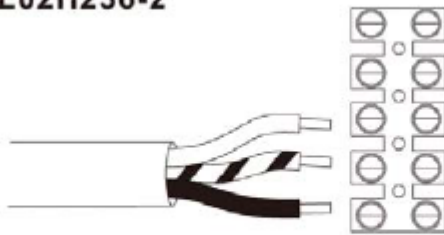


1PC M20 punching hole on other side



PC plastic or stainless steel clips with anti-falling off structure

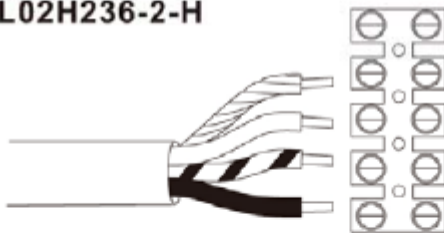
Input Voltage: 220-240VAC
For FL02H218-2:

L2 = L1' Normal Light (Switched)
N = Neutral
⊕ = Ground
For FL02H218-2-H:

L2 = L1' Normal Light (Switched)
L1 = Heating (Un- Switched)
N = Neutral
⊕ = Ground
For FL02I218-2:

L2 = L1' Normal Light (Switched)
L1 = Emergency (Un-Switched)
N = Neutral
⊕ = Ground
For FL02J218-2:

L2 = L1' Normal Light (Switched)
L1 = Emergency + heating(Un -Switched)
N = Neutral
⊕ = Ground
Remarks: L1'=L2=Normal Light (Switched)

For FL02H236-2

L = 220-240VAC Normal Light (Switched)

⊕ = Ground

N = Neutral

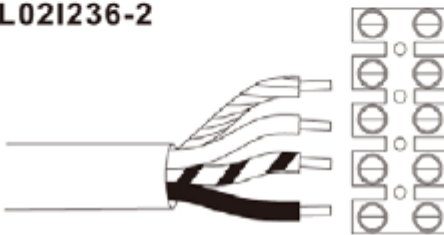
For FL02H236-2-H

L2 = 220-240VAC Normal Light (Switched)

⊕ = Ground

L1 = 220-240VAC Heating (Un- Switched)

N = Neutral

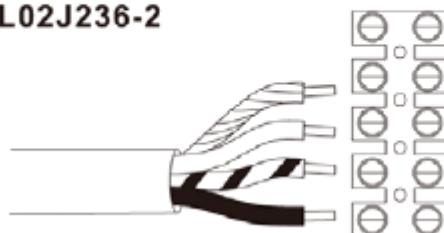
For FL02I236-2

L2 = 220-240VAC Normal Light (Switched)

⊕ = Ground

L1 = 220-240VAC Emergency (Un- Switched)

N = Neutral

For FL02J236-2

L2 = 220-240VAC Normal Light (Switched)

⊕ = Ground

L1 = 220-240VAC Emergency + heating (Un-Switched)

N = Neutral

➤ Wind power system



➤ Ships



➤ Freezers



➤ Any other harsh indoor and outdoor locations

