CREE

File:	CI069RLER3
Update:	20/11/2018

DeltaGuard
10 Year Finishing System

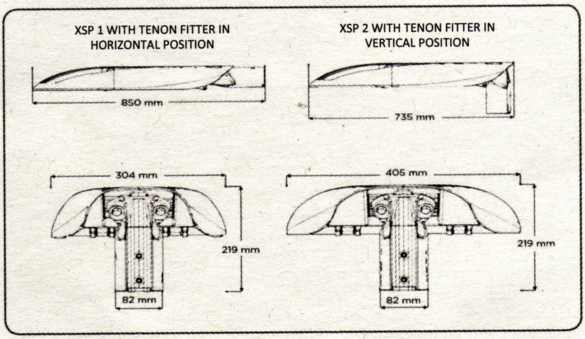
INSTALLATION INSTRUCTIONS

XSP Series

Technical data

Supply voltage: 220–240 VAC
Operating voltage (option RF#): 150–240 VAC
Supply current: max 0.612 A @ 230 VAC
min 0.114 A @ 230 VAC
Supply frequency: 50/60 Hz
Power factor: > 0.9
Insulation class: Class I and Class II
IP rating: IP 66 (see note on p. 4)
Installation method: fixed
T_a min/max (°C): –40°C / +40°C
Installation height: < 15m
Maximum weight: from 10.5 kg (XSP 1) to 15 kg (XSP 2)
Exposed side surface: 0.09 m^2

Dimensions



Warnings

- Keep a copy of this instruction sheet.
- The electrical connection, as well as any repairs in the event of a fault, must only be performed by qualified technicians; the company declines any liability resulting from improper installation.
- Make sure that Class I versions are earthed.
- Do not connect the earth cable for Class II versions.
- Turn off the mains voltage before opening the fitting.
- Maintenance cleaning must be restricted to external surfaces.
- Take care to keep the LED lenses clean during installation.
- Make sure that the light pole is suitably sized to withstand the weight of the fitting.
- Make sure that the fixture is properly aimed: use the photometric curve as reference.
- If the fitting's external flexible cable gets damaged, it must be replaced exclusively by the manufacturer, by the latter's technical assistance network or by similarly qualified personnel, in order to prevent dangerous situations.
- *Deltaguard*: 10-year warranty on the surface finishing against cracking or chipping, signs of corrosion or other superficial defects, with the exception of problems due to improper use and installation.
- The light fitting should be positioned where it cannot be observed for extended periods of time at a distance below X metres (see "*RISK GROUP 1 THRESHOLD DISTANCE*" table).
- The light source contained in this fitting must be replaced exclusively by the manufacturer, by the latter's technical assistance network or by similarly qualified personnel.

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DIRECTIVE 2002/96/EC (WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT – WEEE): information for users.
Pursuant to Article 13 of (Italian) Legislative Decree no. 151 of 25 July 2005, "Implementation of Directives 2002/95/EC, 2002/96/EC and 2003/108/EC relative to the restriction of hazardous substances used in electrical and electronic devices, and the disposal of waste", the product in question is a conforming product.
The crossed-out wheeled bin symbol appearing on the appliance or its packaging means that the product at the end of its lifespan must be disposed of separately from ordinary household waste. The user, therefore, must take the product to an appropriate recycling facility for waste electrical and electronic equipment, or return it to the retailer when purchasing a new similar appliance, on a one-for-one basis. Appropriate separate collection for the successive recycling, treatment and environmentally compatible disposal of the decommissioned product helps to prevent negative effects on the environment and human health and promotes the re-use and/or recycling of the appliance's constituent materials. Improper disposal of the product by the owner may be punishable by law.

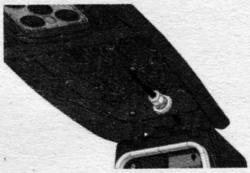
WIRING INSTRUCTIONS – Appliances without outgoing cable

CAUTION – To prevent the risk of electric shock, cut off the power supply before proceeding with the wiring operations.

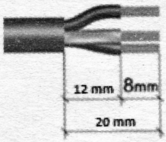
NOTES: we recommend using an 8 A time-delay external fuse.

For the wiring, use a cable suitable for outdoor applications.
The cable gland can accommodate cables having an external diameter between 6 mm and 13 mm.

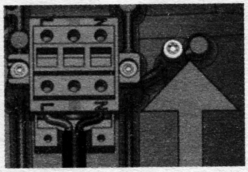
(1)
Open the flap and loosen the cable gland.
Feed the power cable through the cable gland.



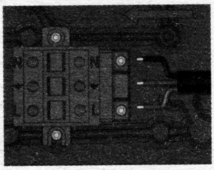
(2)
Strip each wire of the cable as shown in Figure 1.



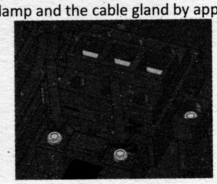
(3)
Make the connection as shown in the figure (Class II appliances).



(3)
Make the connection as shown in the figure (Class I appliances).



(4)
Tighten the cable clamp and the cable gland by applying a 3 Nm torque.



For the connections to be made in relation to the appliance dimming operations, refer to the wiring diagrams and follow the colours of the wires to the isolators as shown in the CONNECTIONS TABLE.

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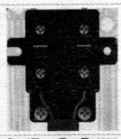
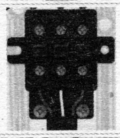
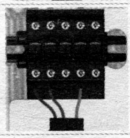
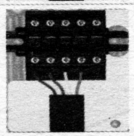
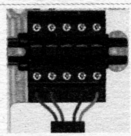
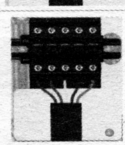
WIRING INSTRUCTIONS – Appliances with outgoing cable

CAUTION – To prevent the risk of electric shock, cut off the power supply before proceeding with the wiring operations.

NOTES: we recommend using an 8 A time-delay external fuse.

- The appliance comes with a H07RN-F (2x1.5; 3x1.5; 4x1.5; 5x1.5) cable certified for indoor and outdoor use.
- Connect the light fitting to the electrical circuit according to the colour table shown further below.
- Make the electrical connection using a terminal block conforming to the EN 60998-2-1 or EN 60998- 2-2 standard:
  - With 2, 3, 4 or 5 terminals, depending on the appliance version.
  - Nominal voltage 220–240 V.
  - Nominal connection capacity 1.5 mm^2.
  - Verify that the above connections are made correctly.
- Strip the outgoing cable for roughly 3 cm and remove the insulation from the wires for maximum 8 mm.

Wire the appliance according to the colour diagram shown in the table below.

OPTION	*INSULATION CLASS*	*WIRE COLOUR*	*CABLE FUNCTION*	*DIAGRAM FOR APPLIANCES WITHOUT OUTGOING CABLE*
Fixed power (No Code) Field adjustable (Q) Virtual Midnight Re-programmable (Y&Z) Dynadimmer (DY) Lumistep (L) Dynadimmer + Constant lumen output (DCL) Constant lumen output (CLO) Flow regulator (RF) NEMA 7-pin + DIM 1–10 V (NEM) NEMA 7-pin + Field Adjustable (NQ) NEMA 7-pin + Virtual Midnight (NY&NZ) NEMA 7-pin + DALI (NDL) NEMA 7-pin + CLO (NCL) NEMA 7-pin + DALI + CLO (NDC)	II	Brown	Live	
		Blue	Neutral	
	I	Brown	Live	
		Yellow/Green	Earth	
		Blue	Neutral	
Line switch (G)	II	Brown	Live 1	
		Blue	Neutral	
		Grey	Live 2 (pilot)	
	I	Brown	Live	
		Yellow/Green	Earth	
		Blue	Neutral	
		Grey	Live 2 (pilot)	
Dali (DL)	II	Brown	Live	
		Blue	Neutral	
		Purple	Dali	
		Grey	Dali	
	I	Brown	Live	
		Blue	Neutral	
		Yellow/Green	Earth	
		Purple	Dali	
		Grey	Dali	

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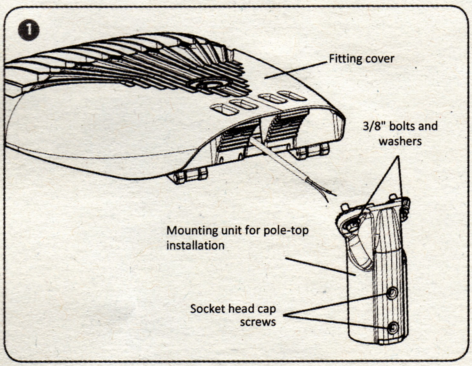
ASSEMBLY INSTRUCTIONS

This appliance is designed for being assembled on a cylindrical tenon having a 60 mm or 76 mm external diameter. If the application requires a 42 mm cylindrical tenon, use the Collar Kit (XA-XSPFTRKIT).



Step 1: feed the cable coming from the fitting cover through the mounting unit.

Step 2: rotate the mounting unit to the vertical or horizontal position, by grafting the locking teeth with those on the fitting cover.

Step 3: attach the mounting unit to the fitting using the two hexagonal 3/8" screws with washers and tighten using a tightening torque between 16 Nm and 18 Nm (141,5 lbs-in and 160,0 lbs-in).

Step 4: slide the mounting unit over the tenon reaching the internal limit switch and loosely tighten the two socket head cap screws using a 5 mm Allen key.

Step 5: rotate the fitting on the tenon until it lies properly level.

Step 6: tighten the two socket head cap screws firmly to a tightening torque between 16 Nm and 18 Nm (141,5 lbs-in and 160,0 lbs-in)* repeating the operation more times until the tightening torque is reached on both.

Step 7: tighten the nut and locknut of the two socket head cap screws firmly using a tightening torque between 16 Nm and 18 Nm (141,5 lbs-in and 160,0 lbs-in).

* recommended tightening torque for steel pole

NOTE: appliances with NEMA socket

Technical data on NEMA sockets
Nominal voltage: 220–240 VAC
Nominal current: max 4 A
Frequency: 50/60 Hz

The fittings equipped with NEMA sockets are designed for operating with a NEMA device conforming to the ***ANSI C136.41-2013*** standard. All conformity and duration tests, including the IP66 test, were carried out using a shorting cap (Lucy Zodion dummy cap) conforming to the above standard.

- The fitting will not function without a NEMA device connected to it.
- The IP rating of the fitting without a NEMA device connected is the same as the IP rating of the NEMA socket without a shorting cap, namely IP20.
- The IP66 rating and sealing preventing the entry of dust and water are not guaranteed once the shorting cap is replaced.

POWER CABLES vs. CONTROL CABLES MINIMUM INSULATION TO BE MAINTAINED

Input power	Insulation
E	DOUBLE
F	DOUBLE
H	DOUBLE

I	DOUBLE

RISK GROUP 1 THRESHOLD DISTANCE (WORST CASE)

DISTANCE – Input Power E & H	DISTANCE – Input Power F & I
3.77 m	4.68 m