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Clareo S & Clareo Q - Installation Instructions for remote power supply

Models CLS-XX-R & CLQ-XX-R

Please read all instructions prior to installation and keep for future reference!

1. Product to be installed by a qualified electrician.
2. Prior to installation ensure power is off at fuse box to prevent electrical shock.
3. Use only with Class 2 power unit. *Utiliser seulement avec la classe 2 unite d'alimentation electrique.*



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1

standoff hub
standoff mounting set screw
Clareo
1" from end

1.2

standoff cap
4-3/8"
7/8"
4-3/8"
canopy detail

standoff hub

measure

1.2

Note: Prior to installation all 24VDC wires must be present in junction box. Refer to the power supply installation instruction for additional information.

Note: More than one person is recommended for this installation.

1.1 Slide the standoff mounting set screw brackets, 1" from each end and on center (over 72" only). Then secure standoffs.

1.2 Align one standoff hub to the junction box & measure the distance from standoff hub to the other hub. Then mark this location to the ceiling. Make addition marks if using more than one standoffs. Use canopy detail to slighting off center standoff hub.

2

ceiling
standoff location marks
13/64" drill bit
drill

2.2

hole
anchor

2.1

2.3

spacer
cap
wood screw

2.1 On the marked location(s), make a hole using a 13/64" drill bit.

2.2 Insert the anchor into the hole and push completely in.

2.3 Insert wood screw through cap & washer and then tighten to secure into the anchors.

3 Prior to installing fixture to power, coaxial cable must be prepared to go inside crossbar assembly. *If this step is skipped coaxial cable metal sleeve will tangle up.*

1 - while holding the coaxial cable end.

2 - Pull back about an 1-1/2" of the metal sleeve to expose the wires.

metal sleeve
wires

3 - Cut off 1-1/2" of the wires.

4 - Pull forward the metal sleeve and twist to make a firmer single wire.

4

junction box
crossbar assembly
backplate
fixture power wire
thumb nut
o-ring
strain relief
coaxial cable
24V DC-
24V DC+

Note: Prior to wiring the desired fixture height must be determined to cut off any un-necessary wire.

4.1 While one person is holding the fixture, the other person can slide the coaxial cable end through the clear o-rings, thumb nut, backplate & crossbar assembly.

4.2 Peel back the coaxial cable to expose the power wires. Connect the red (24VDC+) & black (24VDC-) power supply wires to the fixture red & black wires.

Clareo S & Clareo Q - Installation Instructions for remote power supply

Models CLS-XX-R & CLQ-XX-R

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5

junction box

crossbar

#8-32 screw

backplate

5.1 Insert the wire nut connections into the junction box & align the crossbar to the junction box holes and secure using the provided two #8-32 screw.

5.2 Slide the backplate up to the crossbar and secure by hand tightening the thumb nut into the crossbar.

6

aircraft cable

threaded post

6.2

standoff hub tab

6.1

cable stopper

aircraft cable

6.3

Clareo

clear film

6.1 Untangle each aircraft cable and insert into the threaded post until the cable stopper.

6.2 Push on the standoff hub tab and feed the aircraft cable into the standoff hub until necessary. Release tab to secure in place. *For the aircraft cable closest to the coaxial cable slide through the o-rings on the coaxial cable first.*

6.3 Remove the clear protective film from the face of the lens.

7

cap

7.1

threaded post

aircraft cable

standoff hub tab

7.2

7.1 Tighten each threaded post into a cap, one will be on the backplate and other(s) on the ceiling. If fixture not leveled, adjustments can be made by pushing on the standoff hub tab. Then either feed more cable into the standoff hub or pull out cable from the standoff hub and release to secure.

7.2 Cut off any extra aircraft cable from the standoff hub hole.

7.3 If joining fixture (**custom orders only**), reference page 11.

8

coaxial cable

8.1

aircraft cable

o-ring

8.1 If necessary make any final adjustments to the cables use the o-rings for a cleaner look.

Clareo S & Clareo Q - Installation Instructions for 120V AC Integral power supply

Models CLS-XX-INT120, & CLQ-XX-INT120

Please read all instructions prior to installation and keep for future reference!

1. Product to be installed by a qualified electrician.
2. Prior to installation ensure power is off at fuse box to prevent electrical shock.



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1

standoff hub
standoff mounting set screw
Clareo
1" from end

1.1

canopy detail

1.75"
0.94"
5.30"
3.60"
4.40"
5.30"

1.2

standoff hub
measure
third standoff on fixtures over 72" long

1.2

Note: More than one person is recommended for this install.

1.1 Slide the standoff mounting set screw brackets, 1" from each end and on center (over 72" only). Then secure standoffs.

1.2 Determine length from the canopy to the standoff hub. Then mark this location to the ceiling. Make addition marks if using more than one standoffs. Use canopy detail to sighting off center standoff hub.

2

ceiling
standoff location marks
13/64" drill bit
drill

2.1

2.2

hole
anchor

2.2

2.3

spacer
cap
wood screw

2.3

2.1 On the marked locations, make a hole using a 13/64" drill bit.

2.2 Insert the anchor into the hole and push completely in.

2.3 Insert wood screw through cap & washer and then tighten to secure into the anchors.

3

Prior to installing fixture to power, coaxial cable must be prepared to go inside crossbar assembly. If this step is skipped coaxial cable metal sleeve will tangle up.

- 1 - while holding the coaxial cable end.
- 2 - Pull back about an 1-1/2" of the metal sleeve to expose the wires.
- 3 - Cut off 1-1/2" of the wires.
- 4 - Pull forward the metal sleeve and twist to make a firmer single wire.

4

junction box
driver
crossbar assembly
backplate
hex nut
canopy

24VDC
gnd from crossbar
general wiring diagram

4.1 Insert the power wires into the crossbar assembly, backplate, and hex nut.

4.2 Refer to the wiring diagram and make all necessary connections from the power wires to the canopy driver wires.

4.3 Connect to ground in accordance with local electrical codes.

Clareo S & Clareo Q - Installation Instructions for 120V AC Integral power supply
 Models CLS-XX-INT120, & CLQ-XX-INT120

Please read all instructions prior to installation and keep for future reference!

1. Product to be installed by a qualified electrician.
2. Prior to installation ensure power is off at fuse box to prevent electrical shock.



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5

junction box

crossbar assembly

#8-32 screw

backplate

hex nut

5.1 Align the crossbar to the junction box holes and secure using the provided two #8-32 screw.

5.2 Slide the backplate up to the crossbar and secure by tightening the hex nut into the crossbar.

6

junction box

canopy

strain relief

power cable

backplate

Phillips screw

canopy

power cable

o-ring

6.1 Insert the low voltage wire nut connections into the canopy. Align the canopy to the backplate and securing using the 4 Phillip screws.

7

aircraft cable

threaded post

standoff hub tab

Clareo

clear film

cable stopper

threaded post

aircraft cable

7.1 Untangle each aircraft cable and insert into the threaded post until the cable stopper.

7.2 Push on the standoff hub tab and feed the aircraft cable into the standoff hub until necessary. Release tab to secure in place. For the aircraft cable closest to the power cable slide through the o-rings on the power cable first.

7.3 Remove the clear protective film from the face of the lens.

8

canopy tab

cap

threaded post

aircraft cable

power cable

standoff hub tab

o-ring

8.1 Tighten each threaded post into a cap, one will be on the canopy and other(s) on the ceiling. If fixture not leveled, adjustments can be made by pushing on the standoff hub tab. Then either feed more cable into the standoff hub or pull out cable from the standoff hub and release to secure. In addition if power wire is sagging, feed into the canopy. By pressing on the tab on the canopy and feed until necessary.

8.2 Cut off any extra aircraft cable from the standoff hub hole.

8.3 If necessary make any final adjustments to the cables use the o-rings for a cleaner look.

8.3 If joining fixtures together (**custom orders only**), reference page 11.

Clareo S & Clareo Q - Installation Instructions for 277V AC Integral power supply Models CLS-XX-INT277, & CLQ-XX-INT277

Please read all instructions prior to installation and keep for future reference!

1. Product to be installed by a qualified electrician.
2. Prior to installation ensure power is off at fuse box to prevent electrical shock.



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1

standoff hub
standoff mounting set screw
Clareo
1" from end

canopy detail

1.75"
0.94"
5.30"
3.60"
4.40"
5.30"

standoff hub
measure
third standoff on fixtures over 72" long

Note: More than one person is recommended for this install.

1.1 Slide the standoff mounting set screw brackets, 1" from each end and on center (over 72" only). Then secure standoffs.

1.2 Determine length from the canopy to the standoff hub. Then mark this location to the ceiling. Make addition marks if using more than one standoffs. Use canopy detail to sighting off center standoff hub.

2

ceiling
standoff location marks
13/64" drill bit
drill

2.2

hole
anchor

2.3

spacer
cap
wood screw

2.1 On the marked locations, make a hole using a 13/64" drill bit.

2.2 Insert the anchor into the hole and push completely in.

2.3 Insert wood screw through cap & washer and then tighten to secure into the anchors.

3

Prior to installing fixture to power, coaxial cable must be prepared to go inside crossbar assembly. If this step is skipped coaxial cable metal sleeve will tangle up.

- 1 - while holding the coaxial cable end.
- 2 - Pull back about an 1-1/2" of the metal sleeve to expose the wires.
- 3 - Cut off 1-1/2" of the wires.
- 4 - Pull forward the metal sleeve and twist to make a firmer single wire.

4

junction box
crossbar assembly
backplate
hex nut
canopy

general wiring diagram

277VAC
hot (blk)
neutral (wh)
ground [grn] on canopy

driver
rd (+V)
blk (-V)
24VDC

- 4.1** Insert the power wires & ground wire into the crossbar assembly, backplate, and hex nut.
- 4.2** Refer to the wiring diagram and make all necessary connections from the power wires to the canopy driver wires.
- 4.3** Connect to ground in accordance with local electrical codes.

Clareo S & Clareo Q - Installation Instructions for 277V AC Integral power supply Models CLS-XX-INT277, & CLQ-XX-INT277

Please read all instructions prior to installation and keep for future reference!

1. Product to be installed by a qualified electrician.
2. Prior to installation ensure power is off at fuse box to prevent electrical shock.



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5

junction box

crossbar assembly

#8-32 screw

backplate

hex nut

5.1 Align the crossbar to the junction box holes and secure using the provided two #8-32 screw.

5.2 Slide the backplate up to the crossbar and secure by tightening the hex nut into the crossbar.

6

junction box

canopy

strain relief

power cable

backplate

Phillips screw

canopy

power cable

o-ring

6.1 Insert the low voltage wire nut connections into the canopy. Align the canopy to the backplate and securing using the 4 Phillip screws.

7

cable stopper

threaded post

aircraft cable

standoff hub tab

Clareo

clear film

7.1 Untangle each aircraft cable and insert into the threaded post until the cable stopper.

7.2 Push on the standoff hub tab and feed the aircraft cable into the standoff hub until necessary. Release tab to secure in place. For the aircraft cable closest to the power cable slide through the o-rings on the power cable first.

7.3 Remove the clear protective film from the face of the lens.

8

canopy tab

cap

threaded post

aircraft cable

power cable

standoff hub tab

o-ring

8.1 Tighten each threaded post into a cap, one will be on the canopy and other(s) on the ceiling. If fixture not leveled, adjustments can be made by pushing on the standoff hub tab. Then either feed more cable into the standoff hub or pull out cable from the standoff hub and release to secure. In addition if power wire is sagging, feed into the canopy. By pressing on the tab on the canopy and feed until necessary.

8.2 Cut off any extra aircraft cable from the standoff hub hole.

8.3 If necessary make any final adjustments to the cables use the o-rings for a cleaner look.

8.4 If joining fixtures together (**custom orders only**), reference page 11.

Clareo S & Clareo Q - Installation Instructions for Integral Ecosystem power supply Models CLS-XX-INTECO, & CLQ-XX-INTECO



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1. Product to be installed by a qualified electrician.
2. Prior to installation ensure power is off at fuse box to prevent electrical shock.

1

1.1

canopy detail

1.2

1.2

Note: More than one person is recommended for this install.

1.1 Slide the standoff mounting set screw brackets, 1" from each end and on center (over 72" only). Then secure standoffs.

1.2 Determine length from the canopy to the standoff hub. Then mark this location to the ceiling. Make addition marks if using more than one standoffs. Use canopy detail to sighting off center standoff hub.

2

2.1

2.2

2.2

2.3

2.3

2.1 On the marked locations, make a hole using a 13/64" drill bit.

2.2 Insert the anchor into the hole and push completely in.

2.3 Insert wood screw through cap & washer and then tighten to secure into the anchors.

3

general wiring diagram

3.1

3.1 Insert the power wires into the crossbar assembly, backplate, and hex nut.

3.2 Refer to the wiring diagram and make all necessary connections from the power wires to the canopy driver wires.

3.3 Connect to ground in accordance with local electrical codes.

4

4.1

4.2

4.1 Align the crossbar to the junction box holes and secure using the provided two #8-32 screw.

4.2 Slide the backplate up to the crossbar and secure by tightening the hex nut into the crossbar.

Clareo S & Clareo Q - Installation Instructions for Integral Ecosystem power supply Models CLS-XX-INTECO, & CLQ-XX-INTECO

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5 Prior to installing fixture to power, coaxial cable must be prepared to go inside crossbar assembly. *If this step is skipped coaxial cable metal sleeve will tangle up.*

- 1 - while holding the coaxial cable end.
- 2 - Pull back about an 1-1/2" of the metal sleeve to expose the wires.
- 3 - Cut off 1-1/2" of the wires.
- 4 - Pull forward the metal sleeve and twist to make a firmer single wire.

6

6.1 While one person is holding the fixture, the other person can feed the coaxial cable end through the clear o-rings & strain relief on canopy.

6.2 Peel back the coaxial cable to expose the low voltage wires. Refer to the wiring diagram and make all necessary connections from the coaxial cable to the canopy wires.

7

7.1 Insert the low voltage wire nut connections into the canopy. Align the canopy to the backplate and securing using the 4 Phillip screws.

8

8.1 Untangle each aircraft cable and insert into the threaded post until the cable stopper.

8.2 Push on the standoff hub tab and feed the aircraft cable into the standoff hub until necessary. Release tab to secure in place. *For the aircraft cable closest to the coaxial cable slide through the o-rings on the coaxial cable first.*

8.3 Remove the clear protective film from the face of the lens.

Clareo S & Clareo Q - Installation Instructions for Integral Ecosystem power supply Models CLS-XX-INTECO, & CLQ-XX-INTECO

Please read all instructions prior to installation and keep for future reference!

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9

cap
threaded post
aircraft cable
standoff hub tab
o-ring

9.1
9.3
8.2
9.2

9.1 Tighten each threaded post into a cap, one will be on the canopy and other(s) on the ceiling. If fixture not leveled, adjustments can be made by pushing on the standoff hub tab. Then either feed more cable into the standoff hub or pull out cable from the standoff hub and release to secure.

9.2 Cut off any extra aircraft cable from the standoff hub hole.

9.3 If necessary make any final adjustments to the cables use the o-rings for a cleaner look.

9.4 If joining fixtures together (**custom orders only**), reference page 11.

Clareo S & Clareo Q - How to join suspension sections together (custom orders only)

Models CLS-XX-XX, & CLQ-XX-XX

Please read all instructions prior to installation and keep for future reference!

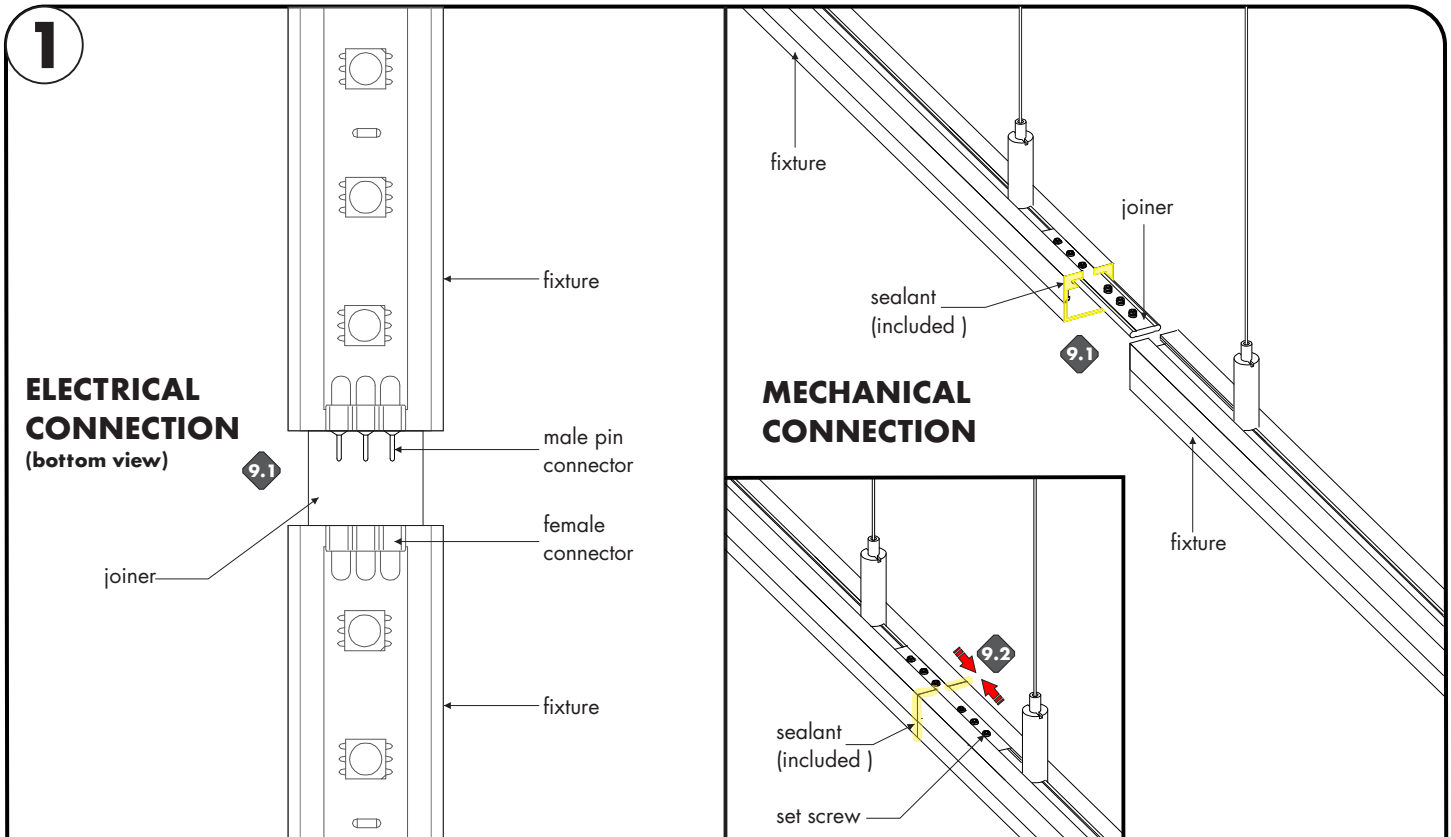
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Caution: Step below is only for custom lengths. Do not try to join standard fixtures to each other, which would void the factory warranty.

Note: Prior to installing fixtures, reference fixture labels for guidance. On which fixture ends will connect to each other.

9.1 Once all sections are installed & set to the proper hanging height from the ceiling. The 2 section must be connected together. Add a small amount of sealant (included) to one of the fixture ends. Then follow one of the connections below.

- **electrical & mechanical connection.** Carefully slide the fixture with the joiner into the other fixture, until the LED connectors meet. Then slowly slide until the male and female connectors secure into one another. Followed by tightening the set screws on the joiner.
- **mechanical connection** carefully slide the fixture with the joiner completely into the other fixture. Followed by tightening the set screws on the joiner.

9.2 Wipe off any excess sealant.