

# Kurat - Installation Instructions

Models KUR-XX-R

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

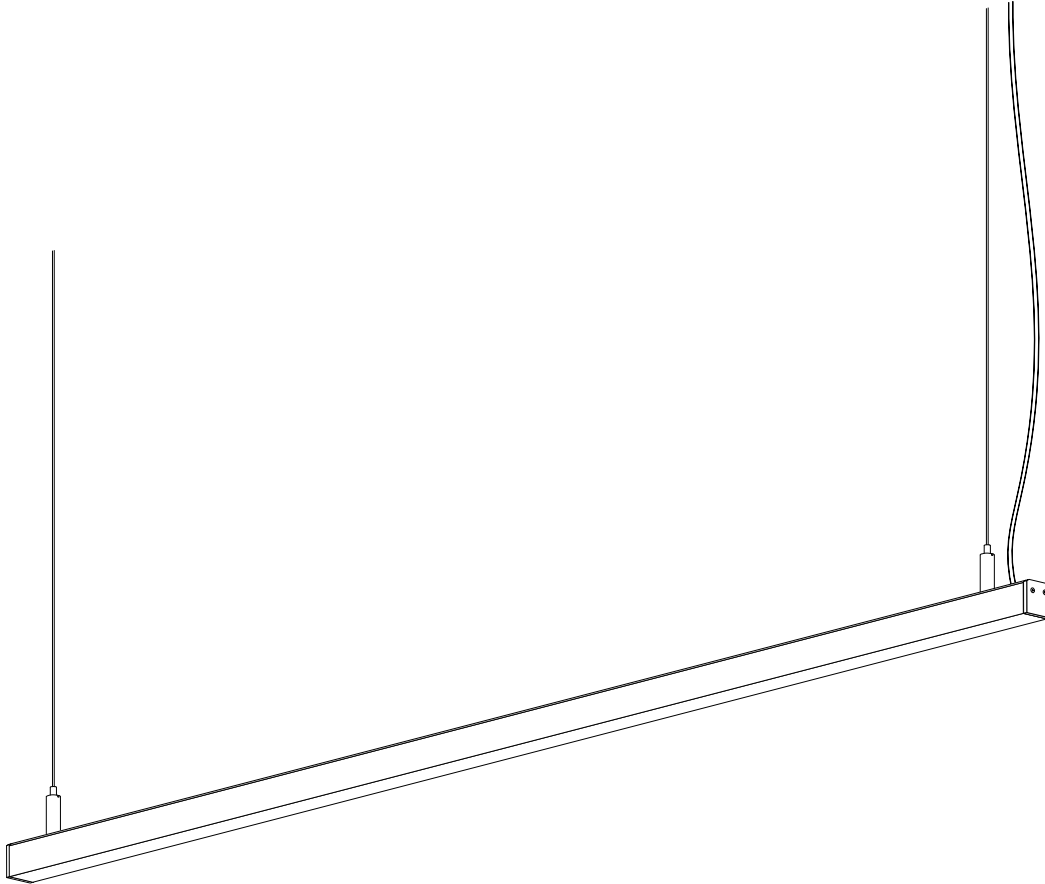
1. PRODUCT TO BE INSTALLED BY A QUALIFIED ELECTRICIAN.
2. PRIOR TO INSTALLATION ENSURE POWER IS OFF AT FUSE BOX TO PREVENT ELECTRICAL SHOCK
3. USE ONLY WITH CLASS 2 POWER UNIT. UTILISER SEULEMENT AVEC LA CLASSE 2 UNITE D'ALIMENTATION ELECTRIQUE.
4. FIXTURE SHOULD BE INSTALLED BY TWO PEOPLE.



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## Remote Power Supply

**1**

**1.1** 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 sighting off center standoff hub.

**canopy detail**

**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.

**2**

**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 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**

**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 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.

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## Remote Power Supply

**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

cable stopper

threaded post

aircraft cable

standoff hub tab

Kurat

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

threaded post

aircraft cable

standoff hub tab

**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

**8**

coaxial cable

aircraft cable

o-ring

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

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## 120V AC Integral Power Supply

**1**

**canopy detail**

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

standoff hub      measure

third standoff on fixtures over 48" long

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

**2**

**ceiling**

hole

anchor

standoff location marks

13/64" drill bit

spacer

cap

wood screw

drill

**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 metal sleeve will tangle up.*

1 - While holding the coaxial cable end.

metal sleeve      wires

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

driver

24VDC

rd (+V)

blk (-V)

DL (blk)

N/C

N (wh)

GND (gr)

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.

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## 120V AC Integral Power Supply

**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

Philips 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 Philips screws.

**7**

cable stopper

threaded post

aircraft cable

standoff hub tab

Kurat

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**

cap

canopy tab

threaded post

power cable

aircraft 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.

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## 277V AC Integral Power Supply

1

**canopy detail**

standoff hub      measure

third standoff on fixtures over 48" long

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

**1.1** Determine length from the canopy to the standoff hub. Then mark this location to the ceiling. Make additional 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

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 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

277VAC

24VDC

general wiring diagram

crossbar assembly

backplate

hex nut

canopy

**4.1** Insert the power wires & ground 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.

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## 277V AC Integral Power Supply

5

**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

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

7

**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

**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.

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## Integral Ecosystem Power Supply

1

**canopy detail**

standoff hub      measure

third standoff on fixtures over 48" long

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

**1.1** 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 slightly off center standoff hub.

2

ceiling

standoff location marks

13/64" drill bit

drill

hole

anchor

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

junction box

crossbar assembly

backplate

hex nut

canopy

to ecosystem bus

driver

E1 (pur)

E2 (pur)

hot (blk)

dim hot (org)

neutral (wh)

ground (gr)

rd (+V)

blk (-V)

24VDC

to dimmer

ground from crossbar

general wiring diagram

**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

junction box

crossbar assembly

#8-32 screw

backplate

hex nut

**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

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## Integral Ecosystem Power Supply

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

to ecosystem bus driver  
E1 (pur)  
E2 (pur)  
hot (blk)  
dim hot (org)  
neutral (wh)  
ground (gr)  
rd (-V)  
blk (V)  
24VDC  
to dimmer  
ground from crossbar  
general wiring diagram

canopy  
strain relief  
push down on the strain relief and insert the coaxial cable  
o-ring  
coaxial cable  
strain relief  
o-ring  
coaxial cable

- 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**

junction box  
canopy  
strain relief  
coaxial cable  
backplate  
Philips screw  
canopy  
coaxial cable  
o-ring

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**

aircraft cable  
threaded post  
cable stopper  
threaded post  
aircraft cable  
standoff hub tab  
Kurat  
clear film

- 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.

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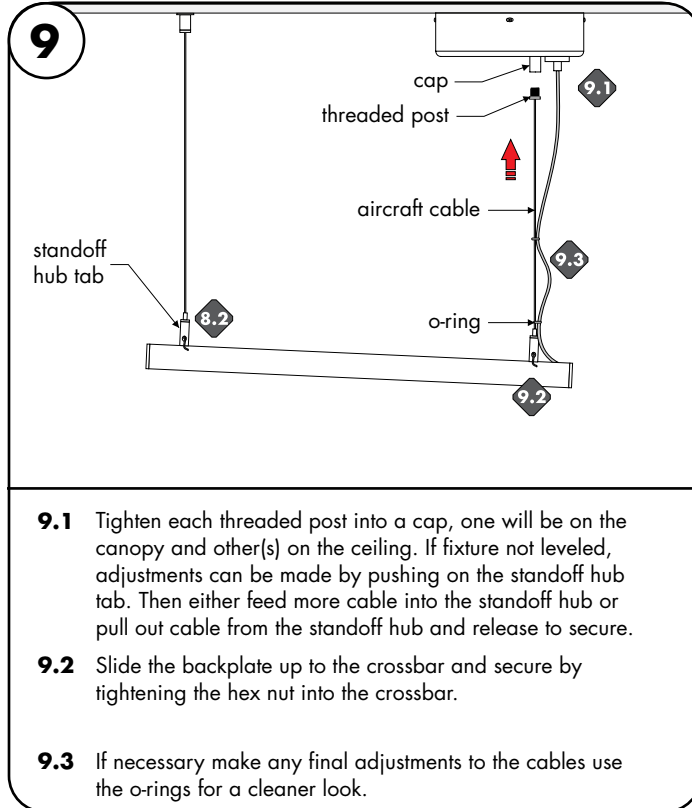
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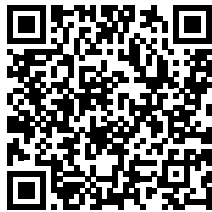
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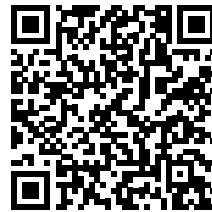
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## Power Supply Wiring Diagram

**Note:** Prior to installation all 24VDC wires must be present near fixture. Refer to the power supply installation instructions for additional information.



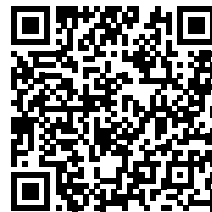
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Wiring Diagram PDF



RGB/RGBW  
Wiring Diagram PDF



Warm Dim  
Wiring Diagram PDF



Pixel  
Wiring Diagram PDF



Tunable White  
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