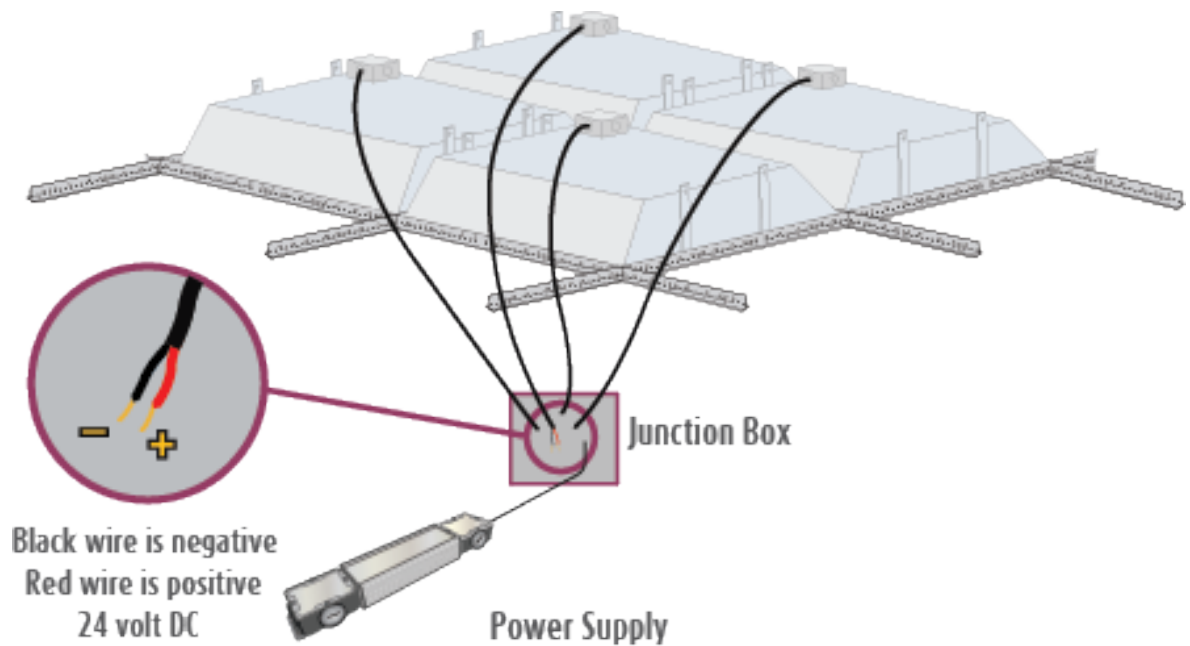


Classic w/ EcoPlus Electrical Instructions (Fixture Only)



Installation Instructions includes:

Classic w/ EcoPlus Electrical Instructions (Fixture Only)

Wiring Diagram EL001181

Total Wattage per Number of EcoPlus Fixtures

Installation specific wiring diagram (where applicable)

For technical support at any time during the installation, please call us **toll free at 866-759-3228**.
We want your installation to go as smoothly as possible. Thank you for choosing Sky Factory.

Classic w/ EcoPlus Electrical Requirements:

EP22 Series: EP22 (2' x 2'), EP22M (60cm x 60cm), EP22G (62.5cm x 62.5cm)

EP24 Series: EP24 (2' x 4'), EP24M (60cm x 120cm), EP24G (62.5cm x 125cm)

NOTE: For custom sizes, see installation specific wiring diagram included (where applicable)

All EcoPlus fixtures are 24V DC only.

EcoPlus fixtures must be powered only by a UL Listed or CE Compliant 24V DC power supply with wattage greater than total wattage of EcoPlus fixtures.

Dry locations only.

For number of fixtures per power supply, see

“Total Wattage per Number of EcoPlus Fixtures” on page 6

For installations with one or more custom sizes, see

installation specific wiring diagram attached

For dimming requirements, see page 4.

RF filter, if used, is not provided by Sky Factory.

Electrical work must be performed by a qualified electrician who is familiar with DC lighting systems and must conform to all local and national codes.

Step 1: Wiring the EcoPlus fixtures to the power supply

See supporting drawing and chart on pages 5-6 and installation specific wiring diagram (where applicable)

| EcoPlus Lighting System - EP22 and EP24 Series | | | | |
|------------------------------------------------|-------------------------------|---------|----------------------|-----------------------------|
| TSF Model No. | Dimensions: WxLxH | Weight | System Wattage (Max) | Input Current @ 24 Volts DC |
| EP22 | 23.6 x 23.6 x 5.63 (inches) | 4.0 lb | 23 | 0.96 A |
| EP24 | 23.75 x 47.75 x 5.85 (inches) | 11.7 lb | 47 | 1.96 A |
| EP22M | 58.9 x 58.9 x 14.3 (cm) | 1.8 kg | 23 | 0.96 A |
| EP24M | 59.4 x 119.4 x 14.86 (cm) | 5.31 kg | 47 | 1.96 A |
| EP22G | 61.4 x 61.4 x 14.3 (cm) | 2.1 kg | 23 | 0.96 A |
| EP24G | 61.9 x 124.4 x 14.86 (cm) | 5.31 kg | 47 | 1.96 A |

NOTE: For custom sizes, see also installation specific wiring diagram



Notice: The LED fixtures are 24V DC ONLY.

AC voltage connected directly to the fixtures will destroy the lighting system.

Fixtures are wired together in single or multiple circuits. Each circuit may be arranged in rows or clusters, depending on installation.

A junction box with 1/2" trade size knock-outs is attached on top corner of each fixture.

- Power leads inside fixture junction box are polarized, red (+) and black (-).
- Wire size 18 AWG stranded.

Wiring from fixtures to V DC side of client-provided power supply is polarized, positive (+) to positive (+) and negative (-) to negative (-):

Wire and additional junction boxes from the fixtures to the power supply provided by others.

Wire gauge must conform to local and national codes. Voltage drop of no more than 2% is recommended.

Step 2: Dimming requirements

IMPORTANT: Use of Sky Factory approved dimming system only! Contact the Sky Factory if you plan on using a dimming system provided by others.



Notice: Dimming using non-approved systems may permanently damage LED's and will void the warranty!

In MRI applications, an RF Filter is required and is not provided by the Sky Factory.

Step 3: Checking the polarity



Notice: CHECK THE POLARITY BEFORE TURNING ON POWER. MAKE SURE:

Red wires on the fixtures go to the “+” terminals of the power supply

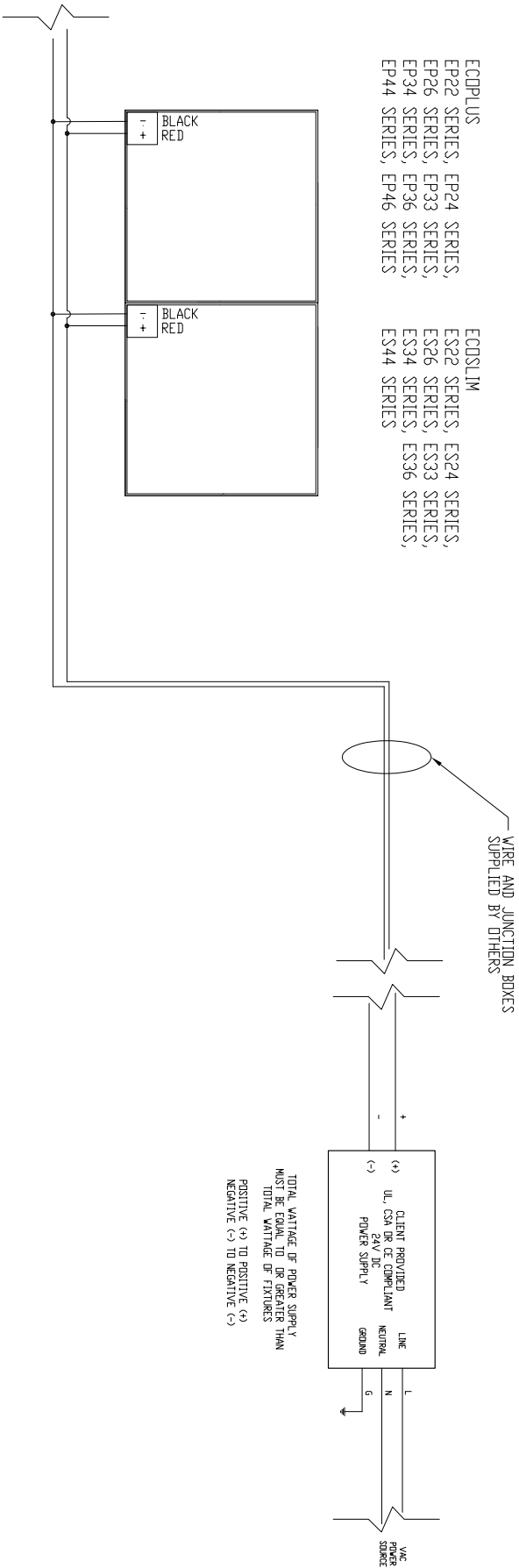
Black wires on the fixtures go to the “-” terminals of the power supply

IF THE SYSTEM IS WIRED BACKWARD, IT WILL DESTROY THE LED'S!

EP AND ES SERIES FIXTURES
WITH CLIENT PROVIDED POWER SUPPLY

ECOPLUS
EP22 SERIES, EP24 SERIES,
EP26 SERIES, EP33 SERIES,
EP34 SERIES, EP36 SERIES,
EP44 SERIES, EP46 SERIES

ECOSLIM
ES22 SERIES, ES24 SERIES,
ES26 SERIES, ES33 SERIES,
ES34 SERIES, ES36 SERIES,
ES44 SERIES



TOTAL WATTAGE OF POWER SUPPLY
MUST BE EQUAL TO OR GREATER THAN
TOTAL WATTAGE OF FIXTURES
POSITIVE (+) TO POSITIVE (+)
NEGATIVE (-) TO NEGATIVE (-)

- NOTES:
1. ALL FIXTURES 24V DC ONLY.
 2. JUNCTION BDX ATTACHED TO EACH FIXTURE:
WIRE SIZE 18 AWG STRANDED
WIRE COLORS:
RED (+) (POSITIVE)
BLACK (-) (NEGATIVE)
 3. SEE ALSO TOTAL WATTAGE PER NUMBER OF ECOSLIM FIXTURES
CHART AND WIRE SIZING CHART.
 4. USE OF SKY FACTORY APPROVED DIMMING SYSTEM ONLY!
CONTACT THE SKY FACTORY IF YOU PLAN ON USING A
DIMMING SYSTEM PROVIDED BY OTHERS.
- NOTICE: DIMMING USING NON-APPROVED SYSTEMS
MAY PERMANENTLY DAMAGE LED'S AND WILL
VOID THE WARRANTY!

| | |
|------------------------------------------------------------------------|--------------------------------------|
| | |
| PROJECT NO: ELO01181 TITLE: | DATE: 12/05/2018 SHEET NO: 8 OF 8 |
| PROJECT ADDRESS: 10000 W. BROADWAY SUITE 100 DENVER, CO 80231 | PROJECT NO: ELO01181 TITLE: |
| PROJECT NAME: SKY FACTORY | PROJECT NO: ELO01181 TITLE: |
| PROJECT NO: ELO01181 TITLE: | PROJECT NO: ELO01181 TITLE: |

Total Wattage per Number of EP22 Series Fixtures

EP22 Series fixtures must be powered by
a UL/CSA Listed or CE Compliant 24V DC power supply.

This table provides information for properly sizing a power supply
given the number of fixtures in a given installation.

| No. of EcoSlims | Required Current Amps | Required Current Watts |
|-----------------|--------------------------|---------------------------|
| 1 | 0.96 | 23 |
| 2 | 1.92 | 46 |
| 3 | 2.88 | 69 |
| 4 | 3.84 | 92 |
| 5 | 4.8 | 115 |
| 6 | 5.76 | 138 |
| 7 | 6.72 | 161 |
| 8 | 7.68 | 184 |
| 9 | 8.64 | 207 |
| 10 | 9.6 | 230 |
| 11 | 10.56 | 253 |
| 12 | 11.52 | 276 |
| 13 | 12.48 | 299 |
| 14 | 13.44 | 322 |
| 15 | 14.4 | 345 |
| 16 | 15.36 | 368 |
| 17 | 16.32 | 391 |
| 18 | 17.28 | 414 |
| 19 | 18.24 | 437 |
| 20 | 19.2 | 460 |
| 21 | 20.16 | 483 |
| 22 | 21.12 | 506 |
| 23 | 22.08 | 529 |
| 24 | 23.04 | 552 |
| 25 | 24 | 575 |
| 26 | 24.96 | 598 |
| 27 | 25.92 | 621 |
| 28 | 26.88 | 644 |
| 29 | 27.84 | 667 |
| 30 | 28.8 | 690 |
| 31 | 29.76 | 713 |
| 32 | 30.72 | 736 |
| 33 | 31.68 | 759 |
| 34 | 32.64 | 782 |
| 35 | 33.6 | 805 |
| 36 | 34.56 | 828 |