



Sky Factory LSC 24PS Power System Installation



Non-Dimmable Certification:

LSC 24PS Power System when used with
ES22 Series, ES24 Series, ES26 Series, ES33 Series, ES34 Series, ES36 Series, ES44 Series,
EP22 Series, EP24 Series, EP26 Series, EP33 Series, EP34 Series, EP36 Series, EP44 Series fixtures
CE, UL and CSA certified by Intertek Group plc

Dimmable Certification:

Dimmable LSC 24PS Power System when used with
ES22 Series, ES24 Series, ES26 Series, ES33 Series, ES34 Series, ES36 Series, ES44 Series,
EP22 Series, EP24 Series, EP26 Series, EP33 Series, EP34 Series, EP36 Series, EP44 Series fixtures
CE, UL and CSA certified by Intertek Group plc

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 The Sky Factory.

Specifications and Features:

- Input Voltage: 90 – 264 V AC, 47-63 Hz
- Output Voltage: 24 V DC
- Max. Watts (Useable): 1000 w/Dimmer
1080 w/o Dimmer
- Branch Circuits: 1 – 4,
250 Watt per Branch Maximum w/ Dimmer
270 Watt per Branch Maximum w/o Dimmer
- Fully enclosed power system enclosure with NEMA 1 rating
Removable front cover for easy wiring
Powder coated 18 gauge (0.0478 inch) steel enclosure; color – Blue (RAL 5015)
- AC input terminal block accepts wire sizes 10 - 18 AWG.
- Branch circuit terminal blocks accept wire sizes 10 - 22 AWG.
- Dimmer:
AC On/Off and Variable DC Output are controlled with one controller.
One controller can operate multiple power systems simultaneously.
Control potentiometer is low voltage, 300 degree rotating ¼ diameter shaft.
Control potentiometer assembly mounts in standard single wide switch box.
Wall plate is white, other colors and finishes are available upon request.
Dimmer knob is satin aluminum.
- Power system must have 12" (30.5cm) clearance for air flow. Wall mount recommended.
- Power system must be mounted in dry locations.
- Power system is certified for Sky Factory EcoSlim and EcoPlus fixtures only.
- For EcoSlim lighting systems
Power System Fusing and Maximum Number of Fixtures per Power System, see
"Standard w/ EcoSlim Electrical Instructions (TSF)", pages 8-9, or
"Revelation w/ EcoSlim Electrical Instructions (TSF)", pages 8-10
Maximum Number of Fixtures per Branch Circuit, see
"Standard w/ EcoSlim Electrical Instructions (TSF)", page 10, or
"Revelation w/ EcoSlim Electrical Instructions (TSF)", page 11
- For EcoPlus lighting systems
Power System Fusing and Maximum Number of Fixtures per Power System, see
"Standard w/ EcoPlus Electrical Instructions (TSF)", pages 8-9, or
"Revelation w/ EcoPlus Electrical Instructions (TSF)", pages 8-9
Maximum Number of Fixtures per Branch Circuit, see
"Standard w/ EcoPlus Electrical Instructions (TSF)", page 10, or
"Revelation w/ EcoPlus Electrical Instructions (TSF)", page 10

- For Custom LED SkyCeilings:
Power System Fusing and Minimum Branches per Power System, see
“Custom LED Electrical Drawings and Charts (TSF)”, page 9
- For MRI applications where an RF filter is required, one filter per power system is applicable. See
“Standard w/ EcoSlim Electrical Packet (TSF)”, “Standard w/ EcoPlus Electrical Packet (TSF)”,
“Revelation w/ EcoSlim Electrical Packet (TSF)”, “Revelation w/ EcoPlus Electrical Packet (TSF)”, or
“Custom LED Lighting Installation Instructions (TSF)”

Schematics:

For wiring diagrams, see:

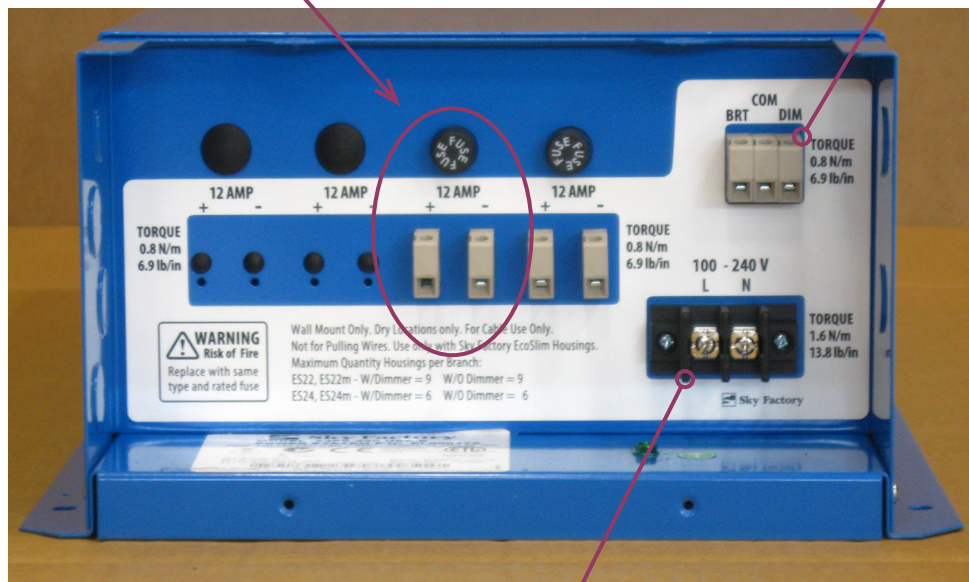
EcoPlus and EcoSlim Drawings and Charts (TSF): EL000979-982 and EL000364, or
Custom LED Electrical Drawings and Charts (TSF): EL001101-1104 and EL000364

For power system enclosure details, see pages 3 – 4 of this document.

Power system panel (with cover removed):

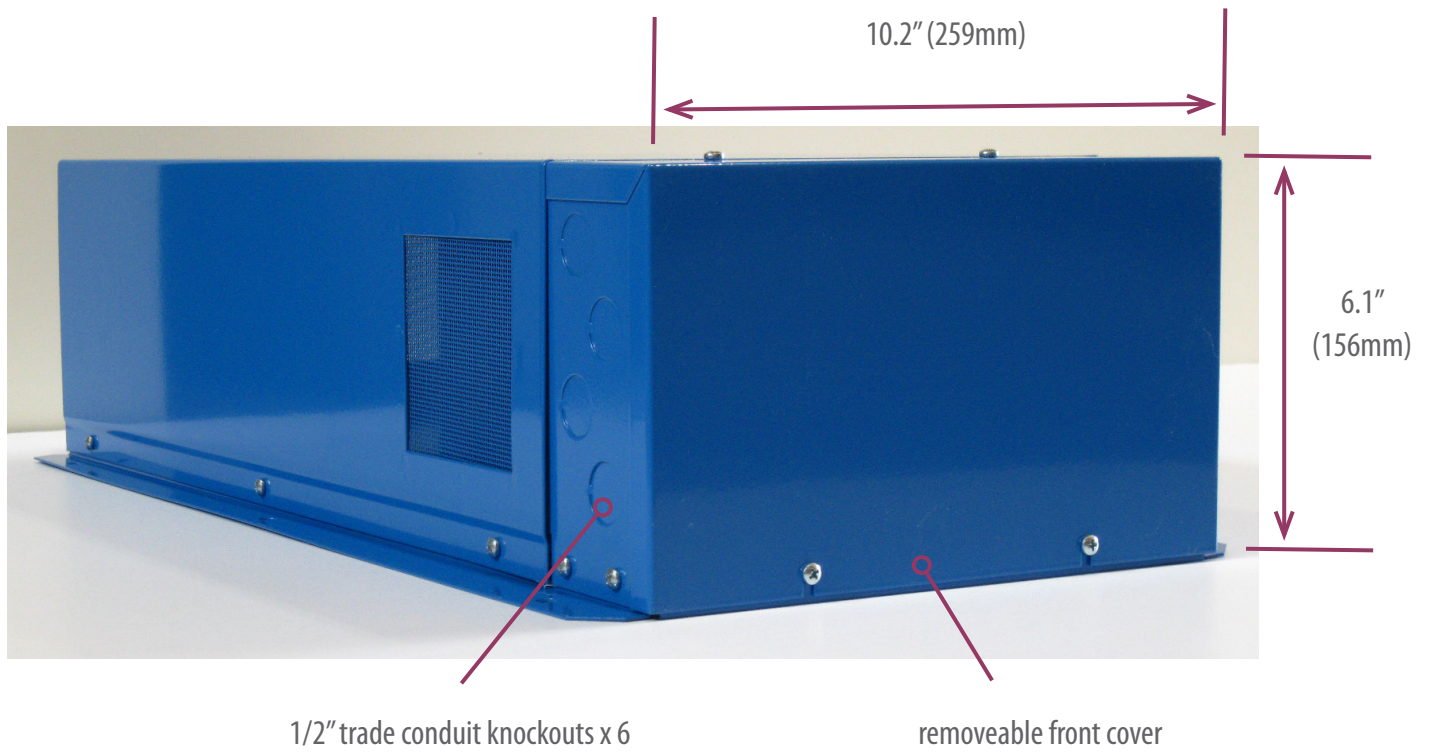
branch circuit terminal blocks and fuse

dimmer terminal blocks



AC input terminal blocks

Note: panel shown here with two branch circuits



Base Mounting Hole Pattern:

