

Luminous SkyCeilings Revelation EcoPlus LED



CONFORMS TO:
ANSI/UL STD 2108
CERTIFIED TO: CAN/CSA
STD C55.5 No. 250.0



EP44 Series Specifications

EP44 Series is designed to fit in standard 4' x 4', 120cm x 120cm or 125cm x 125cm grid openings or similar hard ceiling finished openings and can be joined together in a variety of configurations.

Drop Ceiling Applications:

EcoPlus light box with attached Luminous SkyTile sits on, and is clipped to, Revelation Elevator

- EP44 fits in standard 2' on center, 15/16" grid systems
- EP44M fits in standard 60cm on center, 24mm grid systems
- EP44G fits in standard 62.5cm on center, 24mm grid systems

Hard Ceiling Applications:

EcoPlus light box with attached Luminous SkyTile sits on Revelation Elevator

- EP44 Series easily recessed in a variety of hard ceilings
- Contact the Sky Factory for specific finished opening dimensions

1 Lighting (EcoPlus LED back lit light box):

Color temperature: 6500K
Strict LED binning standards assure consistent & high quality illumination
State of the art back lit technologies provide uniform illumination for the Luminous SkyTile graphic
Housed in a white powder-coated, extruded (non-ferrous) aluminum frame
Moisture and chemical resistant
Each unit has a four knock-out junction box
Compatible with MRI and other RF-free environments

2 Luminous SkyTile (lens):

Acrylic, Acrylite, or polycarbonate substrate
Durable and easy to clean non-glare matte finish
High resolution reproduction from proprietary digital image file
Color-calibrated for 6500 Kelvin light source
Fade resistant pigmented inks containing UV inhibitors

3 Revelation Elevator (frame):

Durable, moisture resistant and easy to clean
Quick and easy installation
Light weight powder-coated aluminum, white matte finish to match standard grid
Compatible with standard 15/16" or 24mm grid systems or hard ceilings
Precision machined corners, seamless architectural appearance

UL, CSA, and CE Classified:

EP44 Series when used with 24PS HLG Power System, LSC 24PS Power System, UL Listed or CE Compliant power supply fully certified by Intertek Group plc

Electrical:

24V DC, 3.84 Amps, 92.2 Watts per EP44 Series fixture
Sky Factory 24PS HLG Power System
Converts 90-305V AC to 24V DC
Available sizes: 40W,60W,80W,100W,120W,150W,185W,240W,320W,600W
Size and quantity per installation calculated by Sky Factory
Up to three power systems can be used with single dimmer
Power system aluminum enclosure
Mounted on baseplate with junction box on input and output ends
See 24PS HLG Power System Technical Specifications sheet
Sky Factory LSC 24PS Power System
Converts 90-264V AC to 24V DC
Comes in various electrical sizes:
2-25A @ 115V AC input (2.5-44A, 60-1500W @ 24V DC output)
Provides up to 4 individual 12A fused branch circuits
Size/output per installation calculated by Sky Factory
Power system enclosure with NEMA 1 rating
Dimming option available
See LSC 24PS Power System Technical Specifications sheet
Sky Factory provided HLG dimmable power supply
Converts 90-305V, 47-63 Hz to 24V DC
Client provided UL Listed or CE Compliant power supply
Must convert V AC to 24V DC

Items not provided:

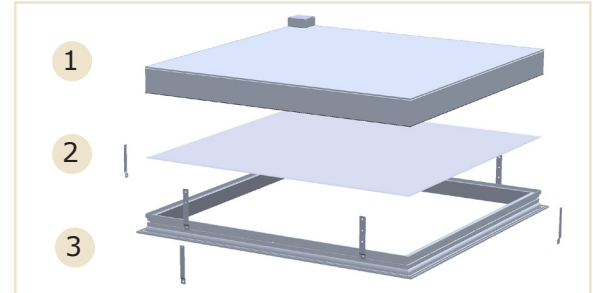
AC wiring between fuse/breaker panel and 24V DC power system
DC wiring between 24V DC power system and EcoSlim light box
Dimmer wiring between 24V DC power system and switch/dimmer control box
RFI/EMI filters for MRI installations
See Revelation w/ EcoPlus Installation Instructions; and,
Revelation w/ EcoPlus Electrical Packet (24PS HLG), Electrical Packet (TSF),
Electrical Instructions (HLG) or Electrical Instructions (ES Only)

Revelation LSC EP44 Series

LSC EP44, EP44M, EP44G

Recessed Ceiling Mount

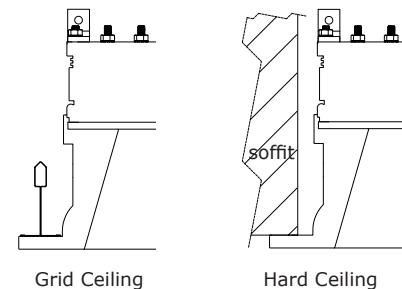
Back Illuminated Sky Image Ceiling



Key Attributes:

15/16" (24mm) ceiling grid or hard ceiling applications
6500 Kelvin – cool daylight
Non-ferrous, RF-free construction
MRI compatible

Cross Section Details



Ceiling Clearance:

Recommended minimum space above ceiling grid 10 7/8" (27.6cm)
Recommended minimum space above soffit 12 1/2" (31.8cm)
Ceiling height of no less than 9' (2.74m) recommended
For help with ceiling constraints, please contact the Sky Factory

Weight:

Installed weight of fully assembled EP44 Series fixture is 55.5 lbs. (25.2kg)

Configurations:

EP44 Series fixtures can be grouped with EP26, EP33, EP34, EP36 and EP44 fixtures in a wide variety of configurations.

Installation:

Elevators, tiles and light box easily installed into standard 15/16" or 24mm grid systems and can be recessed into a variety of hard ceilings.

US Patent Information:

Our products, systems, and methods may be protected by one or more of the following US Patents: Pat. 9,164,011, Pat. 8,851,700, Pat. 7,959,316, and Pat. 7,481,550, as well as other patents pending.