

# Luminous SkyCeilings Standard EcoSlim LED



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



## ES22 Series Specifications

EcoSlim light box with attached Luminous SkyTile sits on, and is clipped to, standard Elevator  
ES22 - 23.75" x 23.75" x 5.13" deep nominal (includes Elevator & SkyTile)  
ES22M - 59.14cm x 59.14cm x 13cm deep metric (includes Elevator & SkyTile)  
ES22G - 61.64cm x 61.64cm x 13cm deep German Metric (includes Elevator & SkyTile)

### 1 Lighting (EcoSlim LED edge lit light box):

Color temperature: 6500K  
Strict LED binning standards assure consistent & high quality illumination  
State of the art edgelit 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  
Use in MRI, and other RF-free environments

### 2 Luminous SkyTile (lens):

Acrylic, Acrylite, or polycarbonate substrate  
Lightweight & durable  
High resolution reproduction from proprietary digital image file  
Color-calibrated for 6500 Kelvin light source  
Non-glare matte finish  
Fade resistant pigmented inks containing UV inhibitors

### 3 Luminous SkyTile Elevator (frame):

Moisture resistant, light weight aluminum  
Quick and easy installation  
Powder coated, white matte finish to match standard grid  
Compatible with standard 15/16" or 24mm grid systems  
Precision machined corners, seamless architectural appearance

### UL, CSA, and CE Certified:

ES22 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, 1.0 Amps, 24 Watts per ES22 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 Standard w/ EcoSlim Installation Instructions; and,  
Standard w/ EcoSlim Electrical Packet (24PS HLG), Electrical Packet (TSF), Electrical  
Instructions (HLG) or Electrical Instructions (ES Only)

### Ceiling Clearance Dimensions:

Minimum space required above ceiling grid ranges from 5.13" (13cm) – 9" (21cm)  
depending on extent of fixture pre-assembly before installation in grid,  
and access to adjacent grid sections

### Installation:

Elevators, tiles and luminaires easily installed into standard 15/16" or 24mm grid systems.  
ES22 Series cannot be grouped with ES24 Series fixtures.  
Standard EcoSlim SkyCeilings with perimeter can be recessed into a variety of hard ceilings.

### Factory Installed Options:

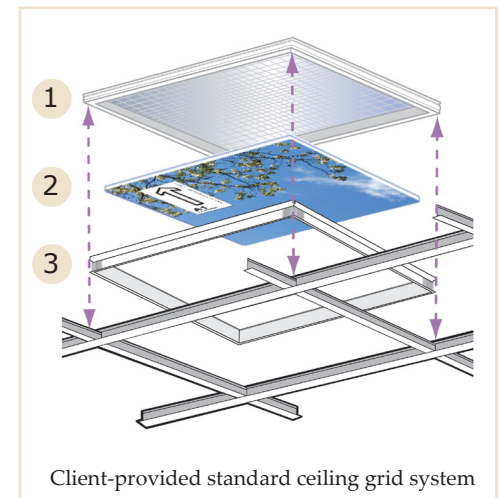
Seismic

## Standard LSC ES22 Series

LSC ES22, ES22M, ES22G

Ceiling Grid Mount

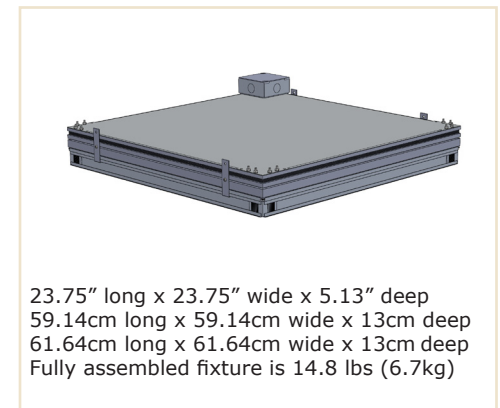
Back Illuminated Sky Image Ceiling



## Key Attributes:

15/16" (24mm) ceiling grid mount  
Low profile – 5.13" (13cm) high  
6500 Kelvin – cool daylight  
Non-ferrous, RF-free construction

## Dimensions and Weight



### Configurations:

For sample configurations, go to [skyfactory.com](http://skyfactory.com)

### 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.