c(UL)us LISTED
LOW VOLTAGE LIGHTING POWER UNIT
E519826

Sky Factory™

IRIS w Classic EcoPlus Specifications
Back Illuminated Sky Image Ceiling

IRIS 24PS Power System

Input (Typ): 100-120V AC; 50 - 60 Hz; Auto-ranging

Output: 24V DC

Type Non-IC, Low Voltage Luminaire Power Supply

Available sizes: IR-24PS-S-XX-X and IR-24PS-D-XX-X

Available types: LEADER-LN (only power system in an installation)

        LEADER-LO (first in a series of linked power systems)

        FOLLOWER-FIO (middle[s] in a series of linked power systems)

        FOLLOWER-FI (last in a series of linked power systems)

Powder-coated aluminum enclosure w/ removeable front cover

Provides 24DC Power to Iris Luminaires and PoE to Wall Controle

AC IN connector wire sizes: 8-24 AWG (0.2-10mm^2 solid; 0.2-6mm^2 flexible)

Power system fixture connector wire sizes: 12-24 AWG (0.2-2.5mm^2)

DMX LINK connector wire sizes: 12-24 AWG (0.2-2.5mm^2)

Junction box wiring access holes limited to 1/2" nominal trade size conduit

Maxium ambient temperature: 100^{0}F (38^{0}C)

In-line switch between AC source and power system required

Power system suitable for dry locations only.

Multiple power systems may be required.

IRIS Power System Weights[1] and Dimensions		
IR-24PS-S-XX-X	35 lbs/15.9kg	16 3/8" (41.6cm) wide x 20 9/16" (52.2cm) long x 7 1/4" (18.4cm) high
IR-24PS-D-XX-X	40 lbs/18.2kg	16 3/8" (41.6cm) wide x 20 9/16" (52.2cm) long x 7 1/4" (18.4cm) high
[1]Maximum weights and dimensions shown. Weight may vary per luminaire configuration.		

Maximum Watts (useable) per IRIS Power System		
Power System	Watts	Amps
IR-24PS-S-XX-X	336W	8A max per output; 14A total
IR-24PS-D-XX-X	672W	8A max per output; 28A total

IRIS Touch Screen Wall Control

5" touch screen; 800x480 24bpp with on/off, dimming, and automated
  Sunrise-to-Sunset Biomimicry cycles

Single or Multi-room control with custom User Interface

Wall mounted w Universal Mounting Plate fits US 2.5" back box

35' (10.6m) Cat 6 cable provided. PoE from IR-24PS

Comes in Jet Black or Signal White

Circadian *illusion of nature:*

The sunrise-to-sunset color shift and daylight variability fluctuations generated by IRIS are the result of its proprietary, cross-functional LED modules:
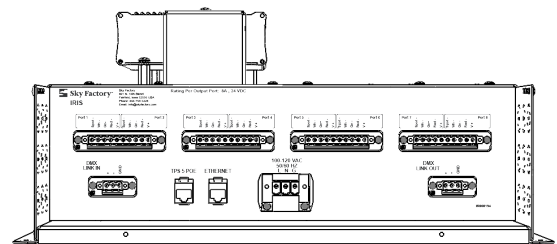
PRiSM LED -- The Proprietary *index* for Spectrum Modulation (PRiSM) function combines seven distinct wavelengths that realistically generate the sky's natural color and light intensity changes from sunrise to sunset.

DiAL LED -- The Daylight *intensity* Algorithm (DiAL) modulates daytime light intensity by mimicking the subtle and organic fluctuations of clouds moving across the sky.
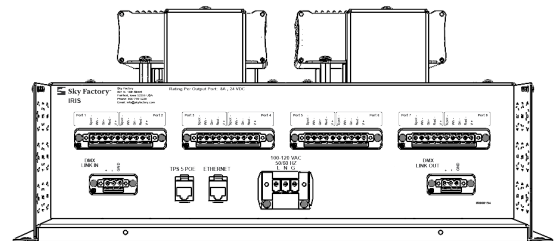
Both the PRiSM and DiAL LED modules are custom-tailored in accordance with the cloud patterns and spatial properties of each Open Sky Composition by trained Sky Factory artists.

The IRIS 24PS Power System utilizes proprietary software and state-of-the-art hardware to drive Sky Factory's family of custom tailored Luminous SkyCeilings.
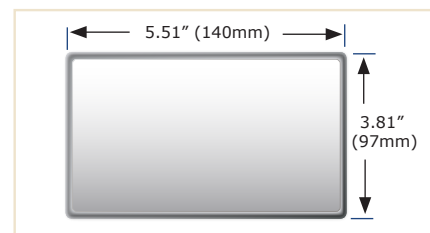
IR-24PS-S-XX-X
Single Power System*
with front cover removed

IR-24PS-D-XX-X
Dual Power System*
with front cover removed

*Port configuration varies per model and installation demands

5.51" (140mm)

3.81" (97mm)

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IRIS w Classic EcoPlus Luminaires

1 **Lighting (IRIS LED back-lit luminaire):**
Circadian *illusion of nature* featuring location-specific, sunrise-to-sunset biomimicry
  and light intensity algorithms. For details, see page 1
Type IC, inherently protected
Strict LED binning standards assure consistent & high quality illumination
Polychromatic LED lamps positioned to match the composition of SkyTile image selection
State of the art back lit technologies provide uniform illumination
  for the Luminous SkyTile graphic
Housed in a white powder-coated (non-ferrous) aluminum frame
Moisture and chemical resistant
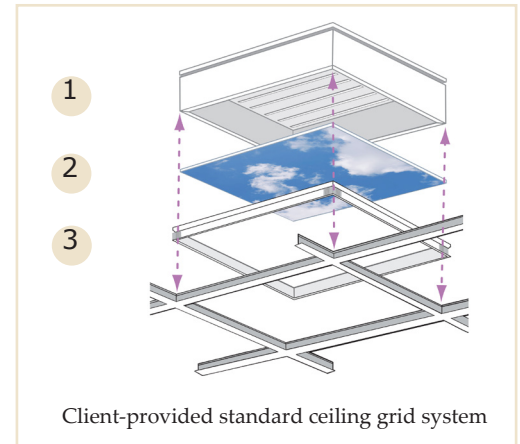Pre-wired junction box with a 5 port connector

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
  specifically designed for sunrise-to-sunset biomimicry
Content selection and customization of Images a distinguishing feature of our products
  See our image library on our website and/or speak with a Sky Factory SkyDesigner
Color-calibrated for daylight quality light source
Fade resistant pigmented inks containing UV inhibitors

3 **Classic Elevator (frame):**
Moisture resistant, light weight aluminum
1.25" (3.2cm) vertical profile
Quick and easy installation
Powder coated, white matte finish to match standard grid
Compatible with standard 15/16" grid systems
Precision machined corners, seamless architectural appearance

IRIS w Classic EcoPlus
EP-33-CLA, EP-33-CLA-M, EP33-CLA-G
Ceiling Grid Mount
Back Illuminated Sky Image Ceiling

Client-provided standard ceiling grid system

Model	Amps[1] @ 24V DC	Power[1]	Weight	Drop Ceiling Application
IR-33-CLA Series	3.91	93.84		
IR-33-CLA			31.2 lbs	3' x 3'on center, 15/16" grid system
IR-33-CLA-M			13.9 kg	90cm x 90cm on center, 25mm grid system
IR-33-CLA-G			14.4 kg	93.75cm x 93.75cm on center, 25mm grid system
				Hard Ceiling Application
				IRXX Series luminaires fit in a variety of hard ceiling applications. Contact Sky Factory for specific finished opening dimensions

[1]Maximum potential power output shown.
Programmed power output typically 30% less.

Key Attributes:
15/16" (24mm) ceiling grid mount
Low profile – 8.25" (21cm) high
6500 Kelvin – cool daylight
Non-ferrous, RF-free construction

Ceiling Clearance Dimensions:
Minimum space required above ceiling grid: 8.25" (21cm) – 12" (30.5cm)
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" grid system
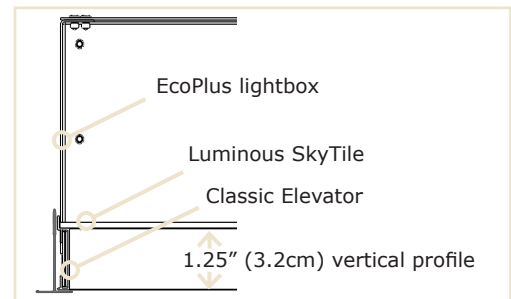provided.

Configurations:
For sample configurations, go to skyfactory.com

EcoPlus lightbox

Luminous SkyTile

Classic Elevator

1.25" (3.2cm) vertical profile

To explore specific combinations
of IRIS Power Systems and Sky Factory luminaires,
contact a Sky Factory SkyDesigner at 866.759.3228
or visit www.skyfactory.com

UL and CSA Listed:
IRIS Classic EcoPlus Series UL/CSA Listed by UL, LLC

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.