

## IRIS w Classic EcoPlus Specifications

Sky Factory provided external dimmable power supply (where specified)

Converts 90-305V AC to 24V DC

UL (U.S. and Canada) Recognized and CE Compliant

Maximum Watts (Useable) per power supply: 600 Watts

Available sizes: 40W, 60W, 80W, 100W, 150W, 185W, 240W,  
320W, 480W, 600W

Size and quantity per installation calculated by Sky Factory

In-line switch between AC source and power supply required

Power supply must be mounted in dry locations.

Surface mountable

Multiple supplies may be required.

Power supply is specified for Sky Factory IRIS Series fixtures only.

Sunricher DMX 512 & RDM Decoder (where specified)

Receives power cables from IRIS light box and  
signal wires from LPC1

Decoder must be Separated Extra Low Voltage (SELV)

Maximum Uout: 24VDC

Maximum Up: 5x(192)W

Open air environment recommended

Model and quantity per installation calculated by Sky Factory

Pharos LPC 1 (where specified)

Extension for TPS5 connectivity

Provides PoE power, DMX and DALI outputs, RS232 serial and  
8 digital/analog inputs for triggering and integration

100-240V AC; DIN rail compatible

Open air environment recommended

Pharos Expert Switch (where specified)

Ethernet switch for LPS 5 to LPC 1

Provides power and data using PoE technology

Pharos TPS 5 wall control

12.7cm 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 (provided)

Fits UK, EU& US 1-Gang and UK 2-gang backbox (not provided)

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

Comes in Jet Black or Signal White

Meanwell HDR-60-24 power supply

Provides power to the Expert Switch

Universal input 85-264V AC (277V AC operational)

DIN rail mountable; Isolation class II

Conforms to BS EN/EN61000-3-2

## IRIS w Classic EcoPlus

Back Illuminated Sky Image Ceiling

IR-33-CLA, IR-33-CLA-M, IR-33-CLA-G

## 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) 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 by trained Sky Factory artists in accordance with the cloud patterns and spatial properties of each Open Sky Composition.

## Sky Factory Luminaire:

### Revelation and Aperture options –

24V DC

Junction box 5 port connector provided and required

Use 5-conductor supply cord with outside diameter between  
10-13.462mm

Junction box terminal block wire sizes: 0.2-2.5mm<sup>2</sup>

For specific fixture details, see pages 2

To explore specific combinations of IRIS power supplies, control gear and Sky Factory luminaires, contact a Sky Factory SkyDesigner at 866.759.3228 or visit [www.skyfactory.com](http://www.skyfactory.com)

## 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):

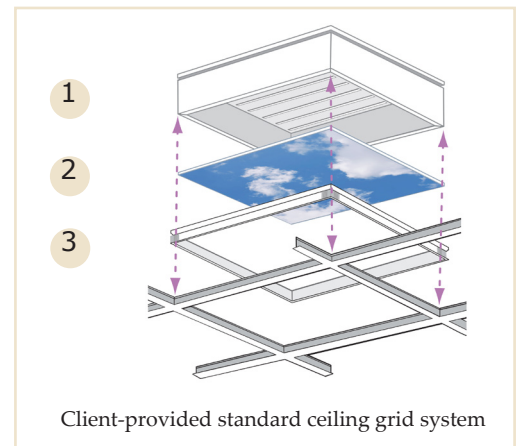
Acrylic, Acrylite, or polycarbonate substrate  
Durable and easy to clean non-glare matte finish  
High resolution reproduction from proprietary digital image file specifically designed for sunrise-to-sunset biomimicry  
Content selection and customization of Images a distinguishing feature of our products  
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

## Classic EP33 Series

IR-33-CLA, IR-33-CLA-M, IR-33-CLA-G  
Ceiling Grid Mount  
Back Illuminated Sky Image Ceiling



Model	Amps <sup>1</sup>	Power <sup>1</sup>	Weight	Drop Ceiling Application
@ 24V DC				
<b>IR-33-CLA Series</b>	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
<b>Hard Ceiling Application</b>				
IRXX Series luminaires fit in a variety of hard ceiling applications. Contact Sky Factory for specific finished opening dimensions				

<sup>1</sup>Maximum potential power output shown.  
Programmed power output typically 30% less.

### 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](http://skyfactory.com)

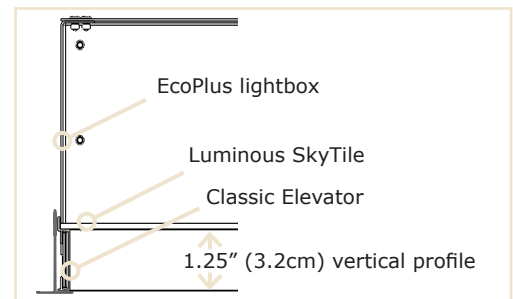
**To explore specific combinations of IRIS Power Systems and Sky Factory luminaires, contact a Sky Factory SkyDesigner at 866.759.3228 or visit [www.skyfactory.com](http://www.skyfactory.com)**

### CE Compliant:

IRIS Classical EcoPlus Series when used with IRIS Control Gear and Power Supplies  
CE Certified

## Key Attributes:

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



### 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.