

# SKYLO™ – 5" Flat

## Walkable Suspension System



Skylo 5" Flat Walkable Suspension System

Skylo™ Walkable Ceiling Solutions are engineered for performance and constructability, delivering an efficient cleanroom ceiling solution that enables safe, convenient access to overhead equipment without compromising the controlled environment below.

### KEY SELECTION ATTRIBUTES

- Skylo Walkable Ceiling Solutions are the market's only complete grid and panel system with load capacity data tested under ASTM E72
- Ideal combination of a finished ceiling system with a structural solution
- T-bar main beam progressive system, that seamlessly integrates with IMP panels to control humidity and pressures
- Grid and panel system suitable for use in ISO Class 3-5 per ISO Standard 14644-1
- Tested and certified system capable of carrying 20-40 lbs/sq ft of live loads
- Seamless integration with 80, 100, or 120mm thick IMP panels

- Flexible design with 12' or 20' main beam lengths
- Tailored to the specific needs of controlled environments

### TYPICAL APPLICATIONS

- Biotechnology
- Cold storage
- Data centers
- EV Battery
- Life sciences
- Pharmaceutical
- Semiconductor

**COLORS** Due to printing limitations, shade may vary from actual product.

#### Standard



White  
(WH)

White is standard color for main beams and cross tees.  
All brackets and hardware are unfinished.



# SKYLO™ – 5" Flat Walkable Suspension System



Declare.

RECYCLED  
CONTENT

UP TO  
**50%**

LEED V5

Ecomedes Data

## COMMON MATERIALS FRAMEWORK

Human Health	Declare Label	Climate Health	EPD
	HPD	Ecosystem Health	EPD
	3rd Party CDPH	Circular Economy	✓

Well Building Standard™ (WELL)  
Living Building Challenge® (LBC)

## VISUAL SELECTION

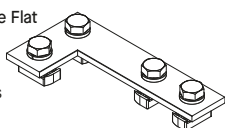
	Item No.	Description	Dimensions (Inches) L x W x H	PCS/ CTN	LF/ CTN
Skylo™ Walkable Suspension System	SKY5301	Main Beam	144 x 5 x 2-13/16"	10	120
	SKY5302P	Perforated Main Beam	240 x 5 x 2-13/16"	10	200
	7800	Perimeter Molding	144 x 7/8 x 7/8"	30	360

NOTE: SKY5302P includes 1/8" holes every 12" on-center on grid face.

## PACKAGING

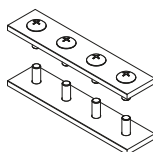
## ACCESSORIES

SKY53BC – 5" Face Flat  
Beam Connector  
Assembly –  
Used to connect  
intersecting beams



SKY53BC – 12 PCS

SKY53SP – 5" Flat  
Splice Plate  
Assembly –  
Used to splice  
beam ends



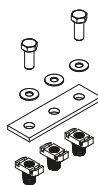
SKY53SP – 24 PCS

SKY5HWK –  
Skylo Plenum Cap  
Hardware Kit 2 –  
Turnbuckles and threaded  
rods are used for structural  
support for the beams



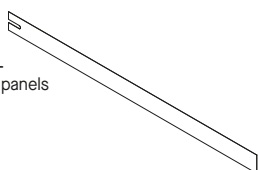
SKY5HWK – 12 PCS

SKY53HWK2 –  
Skylo Hardware Kit –  
Hanging plate, bolt, and  
channel nut with  
spring used to fasten  
to the beam



SKY53HWK2 – 24 PCS

SKY5TCP –  
5" Face Flat/  
5" Plenum Cap  
Top Plate Cover –  
Used to connect panels  
over the beam



SKY5TCP – 48 PCS

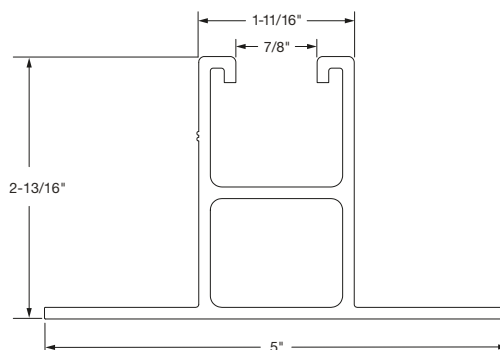
## OPTIONAL COVING ACCESSORIES

SKYCOVB – Cove L Support –  
Used to provide support to the corner cove

SKYCOV – PVC Coving 3.2M –  
Used to eliminate sharp corners and edges,  
providing a smooth transition that is easily cleanable

SKYCS – Internal Corner Cove –  
Used to close the gap between covings at the corners

## DETAILS



Skylo 5" Flat Profile

## PERFORMANCE DATA FOR SKYLO 5" FLAT SUSPENSION SYSTEMS

Beam Span/ Hanger Spacing (FT)	Mid-Span/Center Load <sup>^</sup> (LBS)		Allowable Uniform Area Load* (LBS/SF)		
	L/360 Deflection	L/240 Deflection	Panel Span (FT)	L/360 Deflection	L/240 Deflection
4	631	950	10.0	25.2	38.0
6	285	555	10.0	7.6	14.8

<sup>^</sup>Grid members tested in simple span configuration with concentrated mid-span point load  
\*Data calculated based on mid-span point load testing

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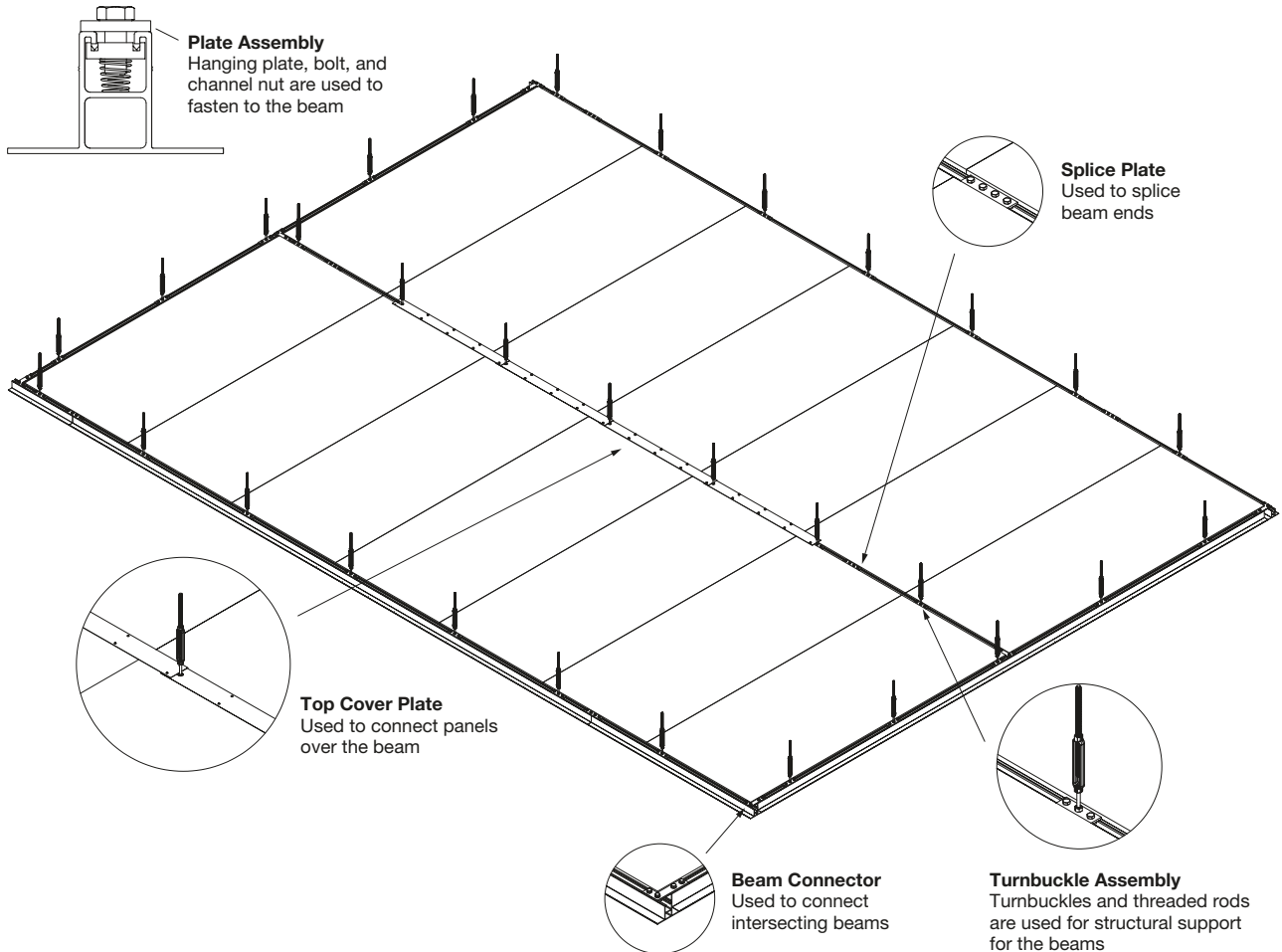
Ecomedes Data

### COMMON MATERIALS FRAMEWORK

Human Health	Declare Label	Climate Health	EPD
	HPD	Ecosystem Health	EPD
	3rd Party CDPH	Circular Economy	✓

Well Building Standard™ (WELL)  
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### SKYLO™ 5" FLAT WALKABLE SUSPENSION SYSTEM INSTALLATION OVERVIEW



SUSPENSION SYSTEMS – CONTROLLED ENVIRONMENTS

SKYLO™ – 5" Flat  
Walkable Suspension System



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Ecomedes Data

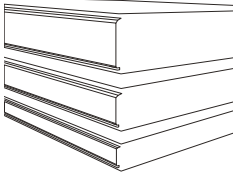
COMMON MATERIALS FRAMEWORK

Human Health  
Declare Label  
HPD  
3rd Party CDPH

Climate Health  
EPD  
Ecosystem Health  
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Well Building Standard™ (WELL)  
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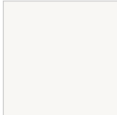
SKYLO™ 5" FLAT WALKABLE CEILING PANELS

	Item No.	Description	Dimensions L x W	Available Options for Panels
	SKYIMP80	80mm Insulated Metal Panel	4' x 10'	ESD Painted Finish
	SKYIMP100	100mm Insulated Metal Panel	4' x 10'	ESD Painted Finish
	SKYIMP120	120mm Insulated Metal Panel	4' x 10'	ESD Painted Finish

NOTE: Panel sizes are nominal dimensions.

COLORS Due to printing limitations, shade may vary from actual product.

Painted



White  
(WH)

PHYSICAL DATA

Material  
6063-T6 Aluminum  
Surface Finish  
Powder coated  
Face Dimension  
5"  
Profile  
Exposed tee

CEILING PANELS PHYSICAL DATA

Material  
Cleanroom Facing: Galvanized Steel  
Interstitial Facing: Galvanized Steel  
Panel Core: IMP, Polyisocyanurate

