

SKYLO™ – 5" Plenum Cap

Walkable Suspension System



Skylo 5" Plenum Cap 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
- 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" Plenum Cap Walkable Suspension System



Declare.

RECYCLED
CONTENT

UP TO
50%

LEED V5

Ecomedes Data

COMMON MATERIALS FRAMEWORK

Human Health

Declare Label

HPD

3rd Party CDPH

Climate Health

EPD

Ecosystem Health

EPD

Circular Economy

✓

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

VISUAL SELECTION

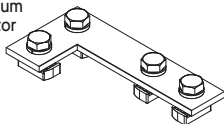
	Item No.	Description	Dimensions (Inches) L x W x H	PCS/ CTN	LF/ CTN
Skylo™ Walkable Suspension System	SKY5501	Main Beam	144 x 5 x 3-3/8"	10	120
	SKY5502P	Perforated Main Beam	240 x 5 x 3-3/8"	10	200
	7800	Perimeter Molding	144 x 7/8 x 7/8"	30	360

NOTE: SKY5502P includes 1/8" holes every 12" on-center on grid face.

PACKAGING

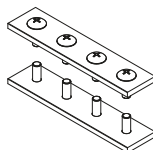
ACCESSORIES

SKY55BC – 5" Plenum
Cap Beam Connector
Assembly –
Used to connect
intersecting beams



SKY55BC – 12 PCS

SKY55SP – 5" Plenum
Cap Splice Plate
Assembly –
Used to splice
beam ends



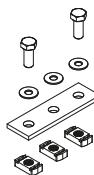
SKY55SP – 24 PCS

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



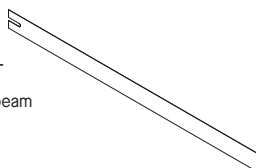
SKY5HWK – 12 PCS

SKY55HWK2 –
Skylo Hardware Kit –
Hanging plate, bolt, and
channel nut with
spring used to fasten to
the beam



SKY55HWK2 – 24 PCS

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



SKY5TCP – 48 PCS

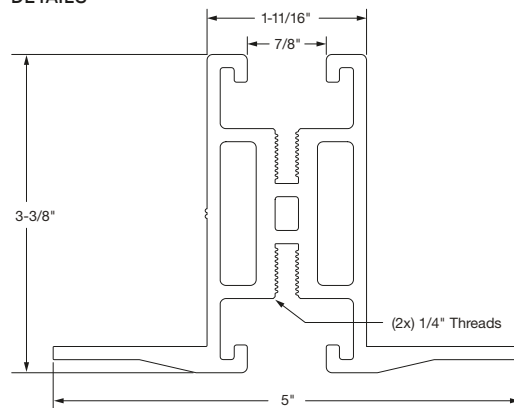
OPTIONAL COVING ACCESSORIES

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" Plenum Cap Profile

PERFORMANCE DATA FOR SKYLO 5" PLENUM CAP SUSPENSION SYSTEMS

Grid	Mid-Span/Center Load^ (LBS)		Allowable Uniform Area Load* (LBS/SF)			
	Beam Span/ Hanger Spacing (FT)	L/360 Deflection	L/240 Deflection	Panel Span (FT)	L/360 Deflection	L/240 Deflection
4		1090	1667	10	43.6	66.7
5		720	1073	10	23.0	34.3
6		680	914	10	18.1	24.4

Grid and Panel System

		Allowable Uniform Area Load*** (LBS/SF)	
Beam Span/ Hanger Spacing (FT)	Panel Span (FT)	L/360 Deflection	L/240 Deflection
5	10.75	33.1	47.7

^Grid members tested in simple span configuration with concentrated mid-span point load

*Data calculated based on mid-span point load testing

***Data from loading test of grid + 60mm panel system

SKYLO™ – 5" Plenum Cap Walkable Suspension System



Declare.

RECYCLED
CONTENT

UP TO
50%

LEED V5

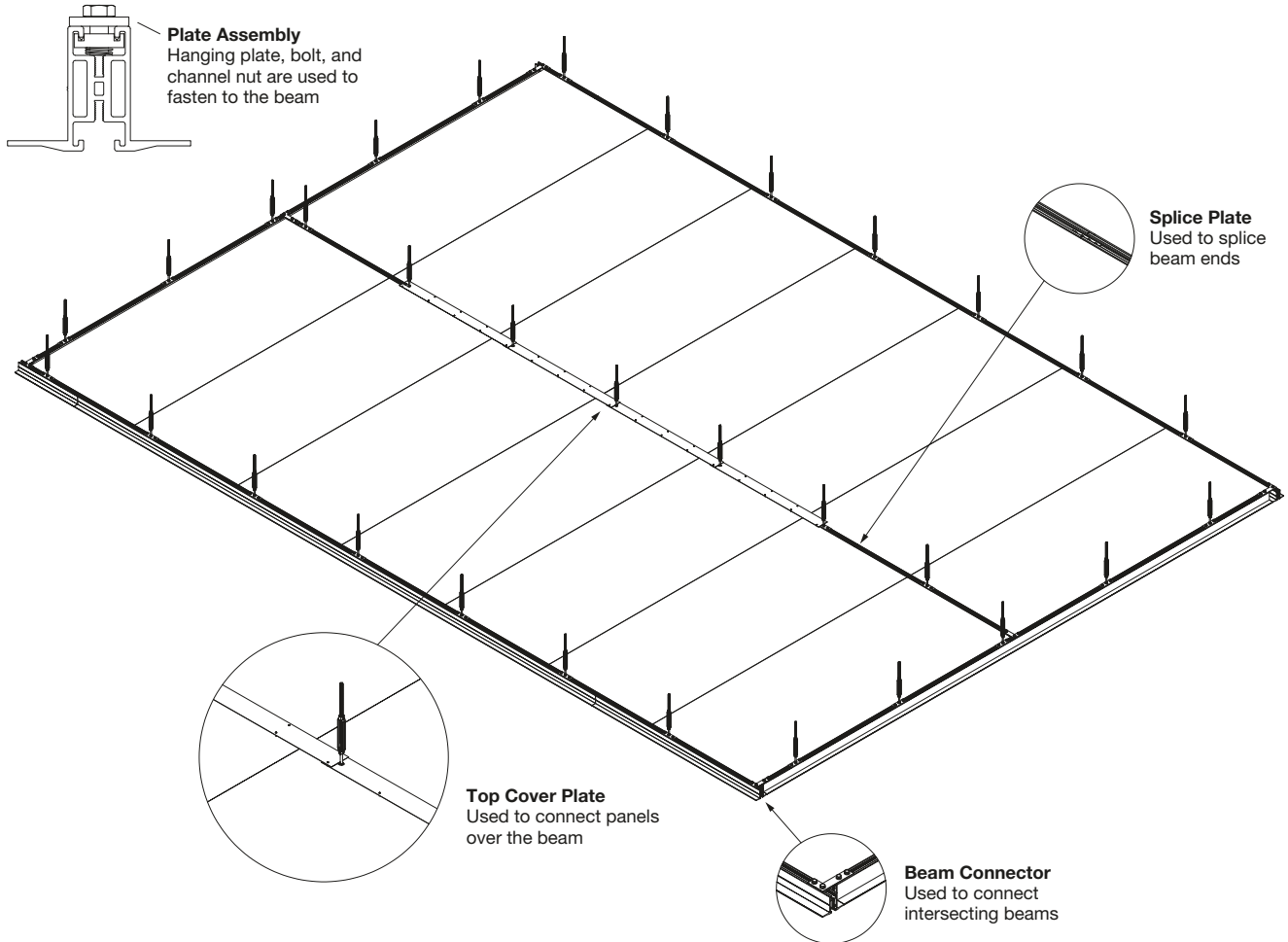
Ecomedes Data

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)

SKYLO™ 5" PLENUM CAP WALKABLE SUSPENSION SYSTEM INSTALLATION OVERVIEW



SKYLO™ – 5" Plenum Cap
Walkable Suspension System



Declare.

RECYCLED
CONTENT

UP TO
50%

LEED V5

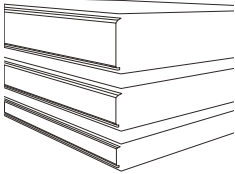
Ecomedes Data

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)

SKYLO™ 5" PLENUM CAP WALKABLE 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

