LEDALITE

by signify

Lighting inspired by nature

iF DESIGN AWARD 2021

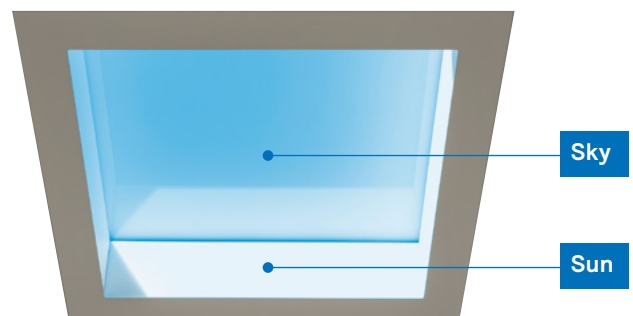## NatureConnect brings the benefits of natural light indoors

The NatureConnect natural lighting system is built on proven Biophilic Design principles to reconnect us with the constant cycles and variations of nature for comfortable, engaging and attractive indoor environments.

The **NatureConnect skylight** combines the feeling of infinity with a dynamic sky gradient and realistic sun shadows to provide a connection with the outside world.
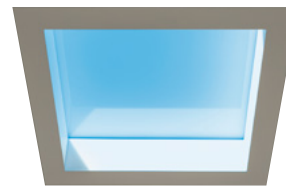
The standalone **Ledalite NatureConnect skylight** works in conjunction with 3rd party luminaires to provide natural ambient light for your space. Refer to application guides for appropriate levels of supplemental (tunable) white light from additional luminaires.

Benefits of Ledalite NatureConnect skylight

- Tunable white light supporting circadian rhythm & dynamic blue skylight providing a melanopic boost
- Seamless integration into grid or drywall ceilings
- Shallow plenum depth
- Works with NatureConnect link or interact wireless

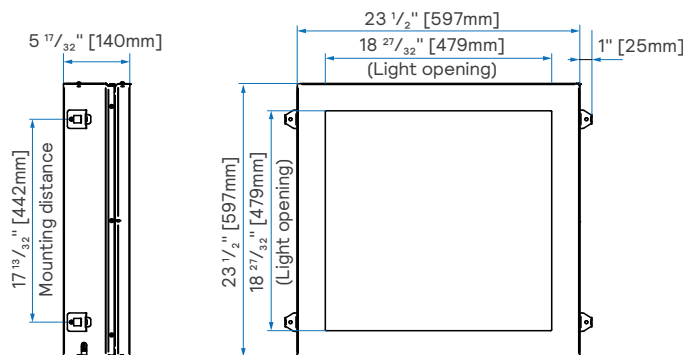Sky

Sun

NatureConnect skylight 2'x2' (standalone)

General Information

Light source	Non-replaceable
Integral drivers	Yes
Driver/power unit/transformer	PSD (Power supply unit with DALI interface)
Maximum electrical power	48W
Energy Code rated power[1]	28W
Initial luminous flux	2,600lm
Wiring	6' Flex whip, 5 leads AWG 18 (black, white, green, purple, pink)
Luminaire beam angle	120°
Lumen maintenance	L_{80} 50,000 hrs
Driver output classification	Class 2
Ambient temperature	32 °F to 77 °F (0 °C to +25 °C)
Performance ambient temp. Tq	77 °F (25 °C)
Storage temperature	-40°F to 140°F (-40°C to +60°C)
Ingress protection code	IP20
Mech. impact protection code	IK02
Certification	cETLus
Warranty period	5 years

	Sky	Sun
Light source color	Tunable white and blue	Tunable white
Light output[1]	1,600lm	1,000lm
CCT	6500K to Blue	2700K to 6500K
Color point SDCM	3	4
CRI	>80	>80

Operating and Electrical

Input voltage	120-277V
Input frequency	50-60 Hz
Input current	0.375 A @ 120 V
Power factor (min.)	0.9
THD	< 20%
Products per MCB (15A)	34

Controls and User Interface

Lighting controls[2]	NatureConnect link (DALI) Remote interact sensor (CS) Integral interact radio node (RA)
Control interfaces	NatureConnect link Interact mobile app and wireless controls
Number of DALI addresses	4

Mechanical and Housing

Dimensions (LxWxH)	23 1/2 x 23 1/2 x 5 17/32" (597x 597 x 140mm)
Housing material	Steel
Housing color	Trim: White RAL 9003 Housing: Grey RAL 7043
Optical cover/lens type	Polycarbonate
Optical cover/lens finish	Opal
Net weight product	28lbs (13kg)

Product Data

Description (Standard)	Catalog Code	12NC
NC SKYLIGHT 2'X2' TBAR (RA) NAM	NCFG250	912401183753
NC SKYLIGHT 2'X2' DRYWALL (RA) NAM	NCFG251	912401183754
NC SKYLIGHT 2'X2' TBAR (CS) NAM	NCFG260	912401184820
NC SKYLIGHT 2'X2' DRYWALL (CS) NAM	NCFG261	912401184821
NC SKYLIGHT 2'X2' TBAR (DALI) NAM	NCFG270	912401184824
NC SKYLIGHT 2'X2' DRYWALL (DALI) NAM	NCFG271	912401184825

Description (Chicago Plenum)	Catalog Code	12NC
NC SKYLIGHT 2'X2' TBAR CP (RA) NAM	NCFG252	912401184818
NC SKYLIGHT 2'X2' DRYWALL CP (RA) NAM	NCFG253	912401184819
NC SKYLIGHT 2'X2' TBAR CP (CS) NAM	NCFG262	912401184822
NC SKYLIGHT 2'X2' DRYWALL CP (CS) NAM	NCFG263	912401184823
NC SKYLIGHT 2'X2' TBAR CP (DALI) NAM	NCFG272	912401184826
NC SKYLIGHT 2'X2' DRYWALL CP (DALI) NAM	NCFG273	912401184827

1. Energy code rated power level and lumen output is provided when a DALI version of the skylight is connected to a standard NatureConect link.
2. Interact sensor (CS) and radio node (RA) versions of the skylight provide standalone control of dimming static scene selection. DALI versions of the skylight enable integration with the NatureConnect link controls (sold separately) and provide static and dynamic scene selection with full NatureConnect content including Day rhythm.