

NatureConnect

by  Signify

Lighting inspired by nature

We have become the indoor generation

On average, we spend more than 90% of our time indoors, where we do not get sufficient access to daylight to feel happy and healthy.

The exposure to the right amounts and quality of light during the day strongly impacts our mood, energy levels, comfort, quality of sleep and our health and wellbeing in general.

NatureConnect by Signify brings the benefits of natural light indoors

The NatureConnect lighting innovation 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.

Benefits of NatureConnect by Signify

Light is as fundamental to life as food, water and air. Research confirms that it enables us to see better, function better and feel better.



Enhance wellbeing

Supports the body's natural day-night rhythm to stay active during the day and rest well at night.



Boost performance

Makes people feel more energetic and stimulates interaction and collaboration.



Create inspiring environment

Enhances your company identity by creating a vibrant, joyful and immersive atmosphere.

To learn more, please visit

www.signify.com/NatureConnect

Solution

NatureConnect combines various LED luminaires for a fully immersive natural experience.

Daylight

Mimics the daily rhythm of the sun to help people stay active during the day and rest well at night.

Skylight

Provides a view to the sky to create a feeling of spaciousness and connection with nature.

Lightscape

Applies natural colors and dynamics on the wall for a fully immersive experience.



Energize



Relax



Present



Light behavior

The intuitive wireless wall switch allows the user to choose between the automatic Day Rhythm or one of the three specific natural Light Scenes.

Day Rhythm

The Day Rhythm mode provides dynamic light throughout the day following the rhythm of the sun.



It runs automatically to ensure the right light at the right time of the day, unless one of the other Light Scenes is selected by the user.

Light Scenes

The natural Light Scenes can be used to tailor the environment to the user's specific activities and needs.



Energize

Get an instant energy boost



Relax

Relax and clear your mind



Present

Focus your attention

Daylight W60L180

General Information

Light source	Non-replaceable LED module
Light source colour	Tunable white
Driver included	Yes
Driver/power unit/transformer	PSD (Power supply unit with DALI interface)
Maximum electrical power	110 W
Average electrical power	29 W (Daylight island) 66 W (Daylight Standalone)
Light output	11500 lm at 4000 K
Efficacy	105 lm/W at 4000 K
CCT	2700 K to 6500 K
Colour point SDCM	3
CRI	90
R9	> 50
UGR	19
Luminaire beam angle	90°
Lifetime	50 khrs B50L80
Control interface	DALI
Connector	GST18i5 male
Protection class IEC	Safety class I
Ambient temperature range	+10 to +35 °C
Performance ambient temp. Tq	25 °C
Storage temperature	-20 to +60 °C
Ingress protection code	IP20
Mech. impact protection code	IK02
Glow-wire test	650 °C
CE mark	Yes
ENEC mark	-
UL mark	-
Warranty period	5 years
Constant light output (CLO)	No

Operating and Electrical

Input voltage	220-240 V
Input frequency	50 to 60 Hz
Input current	0.5 A
Inrush current	55 A
Inrush time	290 us
Products per MCB (type B 16A)	8
Power factor (min)	0.9
Surge Protection	1 kV DM and 2 kV CM

Controls and User Interface

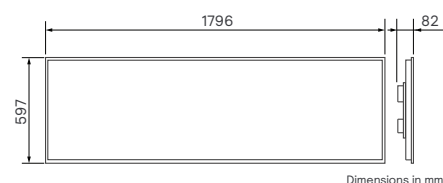
Lighting control	Compatible with NatureConnect control system
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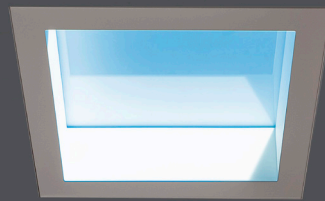
Mechanical and Housing

Dimensions (LxWxH)	1796 x 597 x 82 mm
Housing material	Aluminum
Housing color	White RAL9003
Optical cover/lens type	Polystyrene
Optical cover/lens finish	Opal
Net weight product	14 kg

Product Data

822274820224	Daylight W60L180 Double Panel (2pcs/box)
822274820225	Daylight W60L180 Single Panel (1pc/box)
822274820226	Daylight W60L180 Driver Island
822274820625	Daylight W60L180 Driver Stand-alone
822274820626	Daylight W60L180 Suspension kit





Skylight

General Information

Light source	Non-replaceable LED module
Driver included	Yes
Driver/power unit/transformer	PSD (Power supply unit with DALI interface)
Maximum electrical power	60 W
Average electrical power	32 W (typical use case)
Luminaire beam angle	120 °
Lifetime	50 khrs B50L80
Control interface	DALI
Connector	GST18i5 male
Protection class IEC	Safety class I
Ambient temperature range	+10 to +35 °C
Performance ambient temp. T _q	25 °C
Storage temperature	-20 to +60 °C
Ingress protection code	IP20
Mech. impact protection code	IK02
Glow-wire test	650 °C
CE mark	Yes
ENEC mark	-
UL mark	-
Warranty period	5 years

	Sky	Sun rim
Light source colour	Tunable white&blue	Tunable white
Light output	2600 lm	1600 lm
CCT	6500 K to Blue	2700 K to 6500 K
Colour point SDCM	3	4
CRI	80	80
Constant light output (CLO)	No	

Operating and Electrical

Input voltage	220-240 V
Input frequency	50 to 60 Hz
Input current	0.3 A
Inrush current	16 A
Inrush time	175 us
Products per MCB (type B 16A)	42
Power factor (min)	0.9
Surge Protection	1 kV DM and 2 kV CM

Controls and User Interface

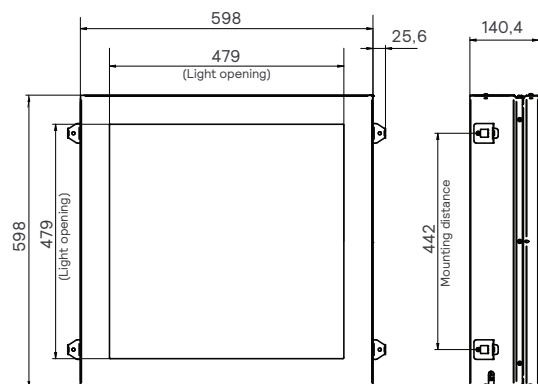
Lighting control	Compatible with NatureConnect control system
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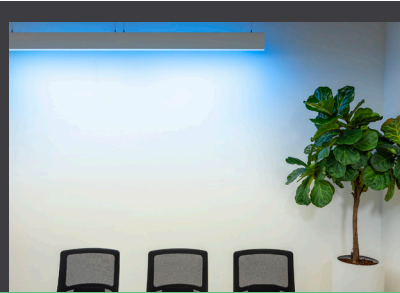
Mechanical and Housing

Dimensions (LxWxH)	598 x 598 x 140.4 mm
Housing material	Steel
Housing color	White RAL9003
Optical cover/lens type	Polycarbonate
Optical cover/lens finish	Transparent (Sky); Opal (Sun)
Net weight product	13 kg

Product Data

822274820223	Skylight
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Lightscape

General Information

Light source	Non-replaceable LED module
Light source colour	RGBW
Driver included	Yes
Driver/power unit/transformer	Non-replaceable integrated driver
Maximum electrical power	104 W
Average electrical power	63 W (typical use case)
Light output	3200 lm
Efficacy	105 lm/W at 4000 K (Daylight island)
CCT	not applicable
Colour point SDCM	3
Luminaire beam angle	36° x 75°
Lifetime	29 khrs B50L80
Control interface	Lightscape controller 822274820229, DMX or Ethernet
Power connection	3.0 m, 1.5 mm ² 4-leads
Protection class IEC	Safety class I
Ambient temperature range	+10 to +35 °C
Performance ambient temp. T _q	25 °C
Storage temperature	-40 to +70 °C
Ingress protection code	IP20
Mech. impact protection code	IK02
Glow-wire test	650 °C
CE mark	Yes
ENEC mark	-
UL mark	-
Warranty period	5 years
Constant light output (CLO)	No

Operating and Electrical

Input voltage	220-240 V
Input frequency	50 to 60 Hz
Input current	0.5 A
Inrush current	13 A
Inrush time	150 us
Products per MCB (type B 16A)	25
Power factor (min)	0.9
Surge Protection	1 kV DM and 2 kV CM

Controls and User Interface

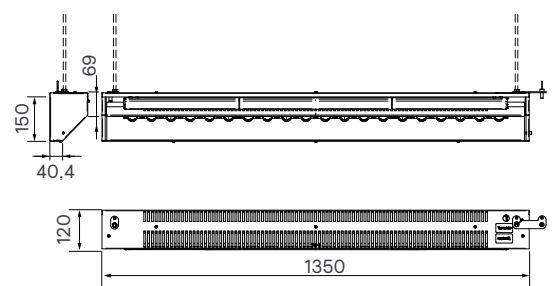
Lighting control	Compatible with NatureConnect control system
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Mechanical and Housing

Dimensions (LxWxH)	1350 x 120 x 150 mm
Housing material	Metal
Housing color	White RAL9003 or Dark grey RAL7043
Optical cover/lens type	Polycarbonate
Optical cover/lens finish	Lens
Net weight product	10 kg

Product Data

822274820227	Lightscape White
822274820228	Lightscape Dark grey



Dimensions in mm



Large island

General Information

Daylight luminaires	4
Skylight luminaires	3
Maximum electrical power	620 W
Average electrical power	213 W (typical use case)
Light output	58 000 lm
Control interface	DALI
Power connector	GST18i5 male
DALI connector	BST14i2 male
Warranty period	5 years

Product Data

822274820221	Large frame
822274820223	Skylight
822274820224/5	Daylight W60L180
822274820226	Daylight W60L180 Driver Island
822274820232	Island Gear tray

Operating and Electrical

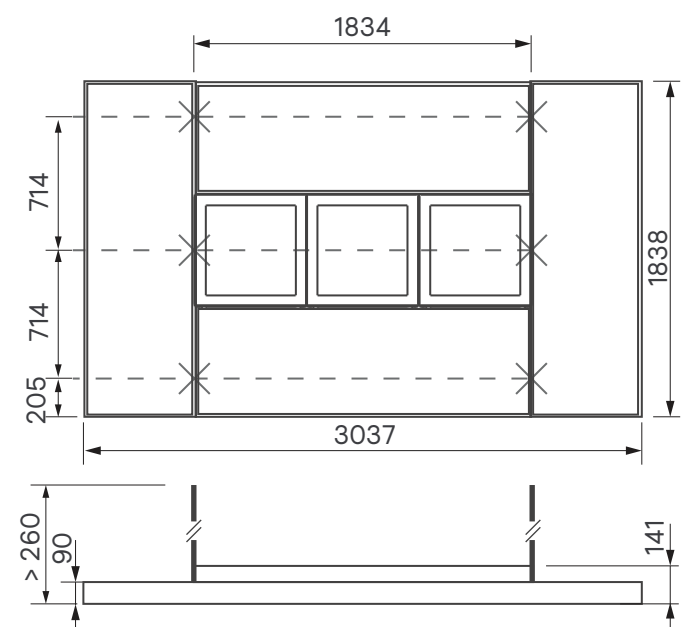
Input voltage	220–240 V
Input frequency	50 to 60 Hz
Input current	3 A
Inrush current	19 A
Inrush time	1500 us
Products per MCB (type B 16A)	4
Power factor (min)	0.9

Controls and User Interface

Lighting control	Compatible with NatureConnect control system
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Mechanical and Housing

Dimensions (LxWxH)	3037 x 1838 x 141 mm
Frame material	Steel
Frame color	Dark grey RAL7043
Luminaire color	White RAL9003
Net weight product	125 kg



Dimensions in mm



Small island

General Information

Daylight luminaires	2
Skylight luminaires	3
Maximum electrical power	400 W
Average electrical power	155 W (typical use case)
Light output	58 000 lm
Control interface	DALI
Power connector	GST18i5 male
DALI connector	BST14i2 male
Warranty period	5 years

Product Data

822274820222	Small frame
822274820223	Skylight
822274820224/5	Daylight W60L180
822274820226	Daylight W60L180 Driver Island
822274820232	Island Gear tray

Operating and Electrical

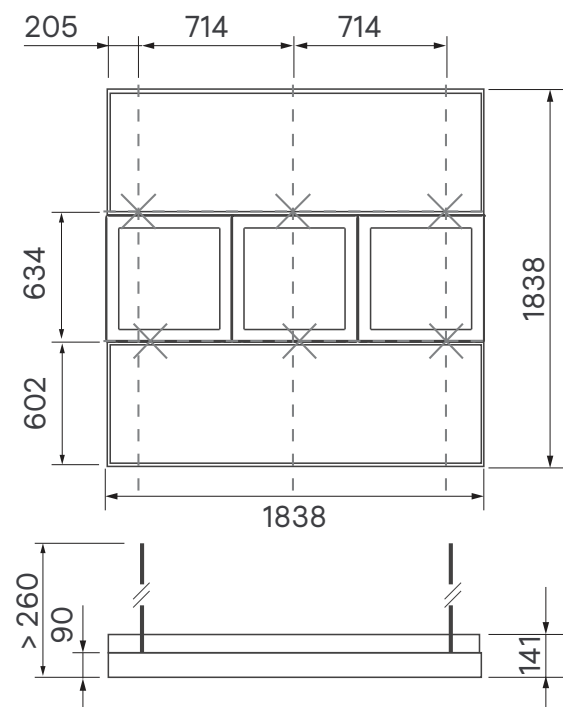
Input voltage	220–240 V
Input frequency	50 to 60 Hz
Input current	2 A
Inrush current	19 A
Inrush time	1000 us
Products per MCB (type B 16A)	6
Power factor (min)	0.9

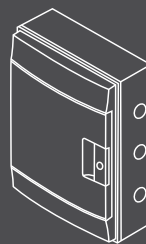
Controls and User Interface

Lighting control	Compatible with NatureConnect control system
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Mechanical and Housing

Dimensions (LxWxH)	1838 x 1838 x 141 mm
Frame material	Steel
Frame color	Dark grey RAL7043
Luminaire color	White RAL9003
Net weight product	90 kg





Control Cabinet

General Information

Number of content groups	Between 1 and 8
Ambient temperature range	0 to 40 °C
Storage temperature	-40 to 70 °C
Ingress protection code	IP65
Mech. impact protection code	IK09
CE mark	Yes
Warranty period	5 years

Interfaces

Mains voltage input	IEC 60320 / C14
Internet uplink	Ethernet, 10/100 Mbit, DHCP client
Lightscape control output	8P8C modular connector
Daylight/Skylight control output	Wieland BST14i2
Max. amount of fixtures per Daylight/Skylight control output	16 Skylights, or 32 Daylights, or 4 small islands, or 3 large islands
Max. DALI cable length	100 m
Max. DMX cable length	100 m
Max. SENSORS cable length	300 m

Control interface Ethernet

Internal network	Ethernet, 10/100 Mbit, 8P8C modular connector (RJ45), DHCP server
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Control interface 0-10 V (optional)

Scene selection control input (per content group)	2 x 0-10 V, internal cage clamp
Brightness control input	2 x 0-10 V, internal cage clamp

Operating and Electrical

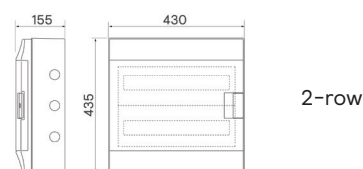
Input voltage	220-240 V
Input frequency	50 to 60 Hz
Input current	< 300 mA
Maximum electrical power	60 W
Power factor (min)	0.9

Mechanical and Housing

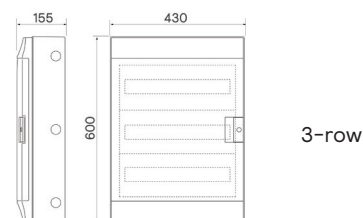
Dimensions 2-row (LxWxH)	430x155x435
Dimensions 3-row (LxWxH)	430x155x600
Dimensions 4-row (LxWxH)	430x155x735
Housing material	Thermoplastic
Housing color	RAL 7035 grey (transparent door blue petrol)

Product parts

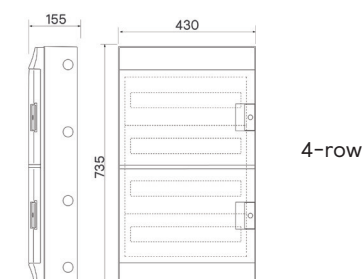
The control cabinet is customized for each installation, consult your local sales representative for the correct 12nc.



2-row



3-row



4-row