

18-S-SD

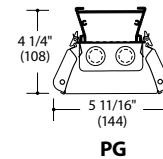
SDx Surface Semi-Direct

Fixture Type:

Project Name:

Ordering Guide

Feature	Code	Options	Description
Series		18	SDx
Mounting		S	Surface
Fixture distribution		SD	Semi-Direct
Row length (in feet)		—'	Enter in foot increments. Note fixture lengths below.
Max length in row		04 08 12	4', 1219mm 8', 2438mm 12', 3658mm
Diffuser		BW PG PS	Blade Baffle, White Acrylic Blade Baffle, Green Parabolic Baffle, Semi-Specular Aluminum
Finish/Color		C1 C2 C3 C4 C5 C6 CC	CWM-Matte White TCWM-Textured Matte White CSL-Light Silver CMA-Machined Aluminum CCB-Carbon Black TCBC-Textured Camera Black CXY-Custom Color
Lamps in cross-section		1T5 2T5 1T5HO 2T5HO 1T8 2T8	1-Light T5 Lamping 2-Light T5 Lamping 1-Light T5HO Lamping 2-Light T5HO Lamping 1-Light T8 Lamping 2-Light T8 Lamping
Ballast (non-dimming T5/HO)		NPN	Electronic, program-start
Ballast (non-dimming T8)		NIN NPN NIL NPL NIH NPH	Electronic Electronic, program-start Electronic, low-wattage Electronic, low-wattage, program-start Electronic, high light output Electronic, high light output, program-start
Ballast (dimming)		010V LVD DALI LLS	0-10V Dimming Line Voltage Dimming Dali System Light Level Switching 50/100 See <i>Ballast</i> section for additional dimming ballast options
Circuiting		1C 2C AC AF	1 Circuit 2 Circuit-In Board/ Out Board Alternate Lamp Compart Switch Alternate Fixture Switching
Voltage		UNV 120 277 347	Universal Voltage 120 Volt 277 Volt 347 Volt



Key Features

- Extruded aluminum housing
- Small-scale profile

Ordering Guide

Optional Features	Code	Options	Description
Nightlight		_NL	Nightlight Circuit Required. Enter quantity. 2NL = 2 nightlight circuits/row
Emergency		_EF	Emergency Battery Required. Enter quantity. 2EF = 2 emergency batteries/row
Thru-wiring		W1 W2 W3 W4	No Thru Wire Thru Wire all Provide Normal Wiring Only Provide Emergency Wiring Only
Data Connection		_DCF	Data connection cables required. Enter quantity. 2DCF = 2 cables/row
Fuse		F	Fuse

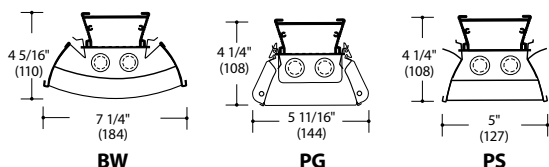
Details

Construction:

Housing-extruded aluminum.
End caps-sculpted, die cast aluminum.

Diffuser Options:

BW Blade Baffle, matte white.
PG Acrylic Blade Baffle, tinted green.Semi-specular side reflectors.
PS Parabolic Baffle, semi-specular aluminum.



Distribution:

Lamping	Diffuser	Uplight	Downlight	Efficiency
1-T8	PG	11	89	77%
2-T8	PG	15	85	72%
1-T5HO	PG	11	89	84%
2-T5HO	PG	11	89	79%
1-T8	PS	19	81	56%
2-T8	PS	17	83	50%
1-T5HO	PS	17	83	58%
2-T5HO	PS	16	84	57%
1-T8	BW	7	93	78%
2-T8	BW	6	94	66%
1-T5HO	BW	7	93	79%
2-T5HO	BW	6	94	79%

Finish/Color:

Visit www.litecontrol.com/finishes for details.

Lamping:

Available in one or two-lamp T8, T5 and T5HO cross-sections.

Cross-section lamping



Ballast:

Low-profile Ballast (**ELB/PS**), electronic, high power factor, thermally protected Class P, Sound Rated A, less than 10% THD, manufactured by a UL Listed manufacturer, as available, determined by Litecontrol. Ballasts with a voltage range of 120 to 277 will be used when fixture configuration and ballast availability allow. The minimum number of ballasts will be used.

Additional Dimming Ballast Options:

LE30	Lutron EcoSystem-3 Wire	(Normal Ballast Factor)
LEH0	Lutron EcoSystem-H Series	(Normal Ballast Factor)
LEH7	Lutron EcoSystem-H Series	(High Ballast Factor)
LEI0	Lutron EcoSystem-Intelligent	(Normal Ballast Factor)
LH3D	Lutron HiLume 3D-3 Wire	(Normal Ballast Factor)
LH37	Lutron HiLume 3D-3 Wire	(High Ballast Factor)
LHHL	Lutron HiLume-Traditional	(Normal Ballast Factor)
LHID	Lutron HiLume-3D Intelligent	(Normal Ballast Factor)
LHI7	Lutron HiLume-3D Intelligent	(High Ballast Factor)

Circuiting:

1C (1 Circuit) Fixture wired for a single circuit.
2C (2 Circuit) Inline lamps are switched separately.
AC (alternate lamp compartment switching) Fixtures wired so every other lamp section can be separately switched/dimmed
AF (alternate fixture switching) Fixtures wired so every other fixture segment can be separately switched/dimmed.

Nightlight:

See separate LC-Nightlight spec sheet for additional details.

Emergency:

Battery-powered ballast from a listed manufacturer will operate one lamp for 90 minutes.

Thru wiring:

See separate LC-Thruwire spec sheet for additional details.

Data Connection:

Lutron EcoSystem data feed

Fuse:

Slow or fast blow; determined by Litecontrol.

Ratings:

UL listed for damp locations. IBEW. AF of L.

Warranty:

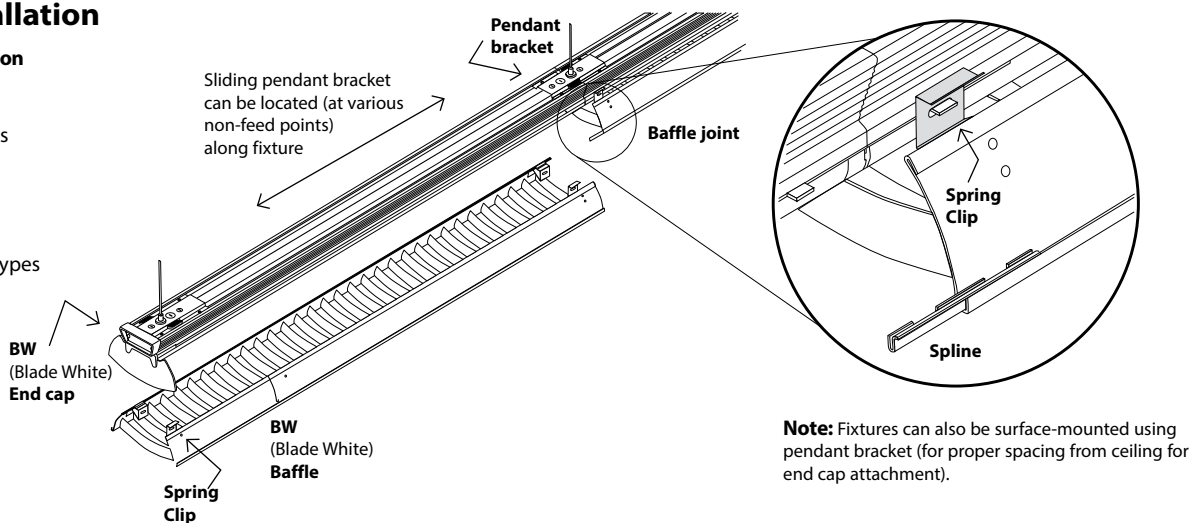
1 year
see www.litecontrol.com for details

Details (continued)

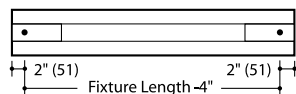
Planning for installation

Pendant-Mounted Installation

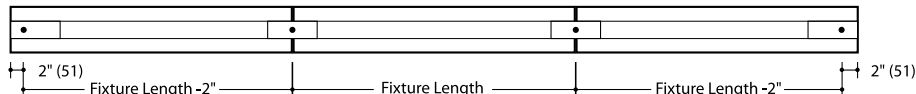
- Sliding pendant brackets for easy installation
- Baffles attach without tools using spring clips
- Splines between fixtures align baffle blades
- Installation procedure is similar for all three baffle types



Individual fixture



Row diagram



- Pendant location
 - Pendant bracket
- Fixture lengths: 4', 8', and 12'