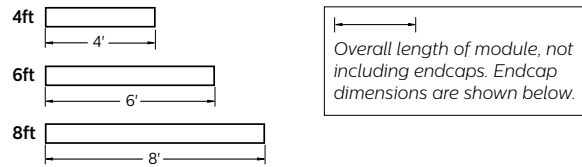


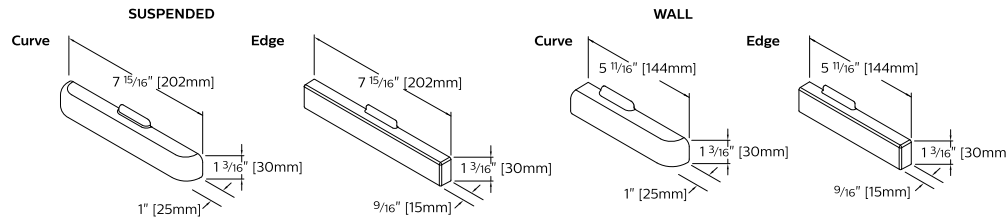
Module Lengths

FloatPlane suspended and wall versions are available in 4, 6 and 8ft lengths (exact without endcaps).



Endcaps

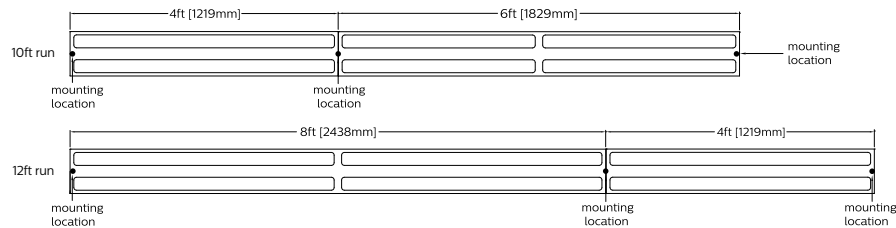
Overall row lengths do not include endcaps. Add two endcaps to the overall length of each row.



Mount Spacing

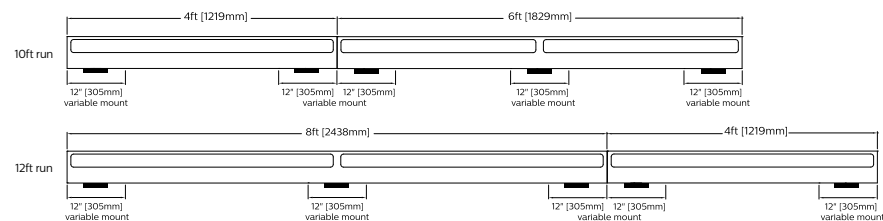
For on-grid T-bar ceiling installations, mounts attach directly to T-Bar. Mounting options are available for off-grid T-bar installations, non-accessible ceilings and a wide variety of other ceiling types. See Suspended Mounting Options document for more detailed information.

SUSPENDED MOUNTING EXAMPLES



Suspended sling mount brackets attach at run ends and joins.

WALL MOUNTING EXAMPLES



Variable wall mount brackets can be positioned within 12" of module end or join. Maximum distance between wall mounts is 48".

Row Configurations

The table below indicates how nominal 4, 6 and 8ft modules can be combined to create continuous rows of various lengths. Modules can be combined in any order.

Row Length	Module Count			Total Modules
	4'	6'	8'	
4'	1			1
6'		1		
8'			1	
10'	1	1		2
12'	1		1	
14'		1	1	
16'			2	
18'	1	1	1	3
20'	1		2	
22'		1	2	
24'			3	
26'	1	1	2	
28'	1		3	4
30'		1	3	
32'			4	
34'	1	1	3	
36'	1		4	5
38'		1	4	
40'			5	
50'	1	1	5	
60'	1		7	
70'		1	8	9
80'			10	
90'	1	1	10	
100'	1		12	13

Power Feed

Power for the entire row can be placed at either end or any joint. See examples below.

Example A

▼ = Power mount
| = Non-power mount

Example B

Example C

Each row is supplied with a power mount and power cord with 4, 5 or 7 conductors, depending on luminaire requirements.

Example power cord:
18/4 conductor AWM
Max. 10 amps, 600V
Handles 2 circuit feeds or a 1 circuit feed with a NL/BP hot lead.

Emergency Circuit (EM), Night Light (NL) or Battery Pack (BP) Option

Modules are available with an optional EM/NL circuit or BP. Each EM/NL/BP circuit powers the length of a 4' or 6' module, or one 4' section of an 8' module. Suspended 8' modules with an EM/NL/BP section can be reversed 180° as shown; however, in wall mount the EM/NL/BP is located on the right side when facing the wall.

SUSPENDED

4ft module 6ft module 8ft module

EM/NL/BP EM/NL/BP EM/NL/BP

—OR—

EM/NL/BP

WALL

4ft module 6ft module 8ft module

EM/NL/BP EM/NL/BP EM/NL/BP

Emergency Circuit (EM), Night Light (NL) and Battery Pack (BP) placement in rows

EM/NL/BP modules can be placed anywhere in the row. See examples below of EM/NL/BP installed in 20ft rows.

Example A

—OR—

Example B

—OR—

Example C

IMPORTANT: When an EM/NL/BP circuit is specified in a row with different length modules, it will be installed in one 4' section of an 8' module. Site restrictions requiring the EM/NL/BP circuit in a 4' or 6' module can be handled by request.

Power feeds for rows installed with Night Light (NL) or Battery Pack (BP)

Every NL/BP module will be supplied with an additional power cord and power mount to enable variable power locations, as shown in the examples below.

For NL and BP installation, power can be installed adjacent to normal power or in a separate location. See examples A and B below.

Example A - 2 power feeds

—OR—

Example B - 1 power feed

▼ = Power mount, normal
▼ = Power mount, NL/BP
| = Non-power mount

Power feeds for rows installed with Emergency Circuit (EM)

Every EM module will be supplied with an additional power cord and power mount to enable variable power locations, as shown in the examples below.

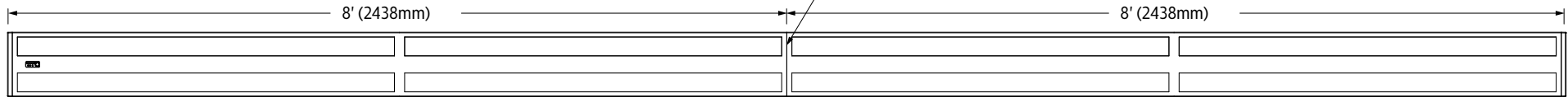
For EM installation, in all instances, code restrictions require two separate power drops, one for normal power and one for EM power. EM power must be installed in a location different than the normal power. See example A below.

Example A - 2 power feeds

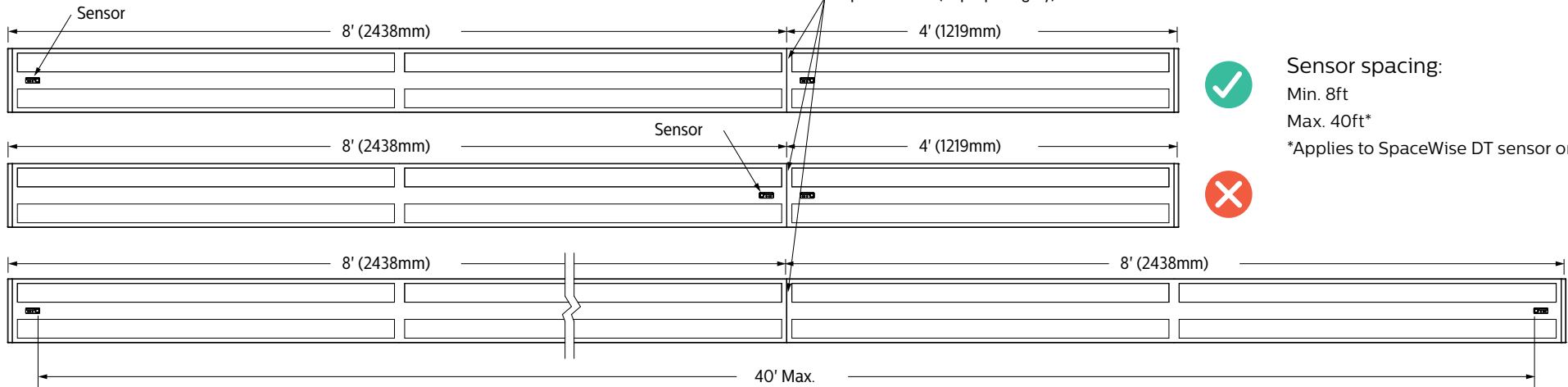
▼ = Power mount, normal
▼ = Power mount, EM
| = Non-power mount

Sensors in Rows:

Single sensor controlling the row



Multiple sensors along row



Sensor spacing:

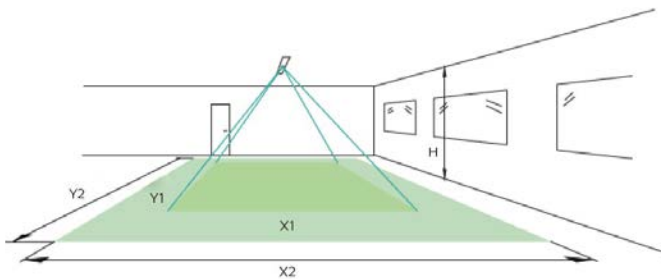
Min. 8ft

Max. 40ft*

*Applies to SpaceWise DT sensor only



Occupancy Sensor Coverage:

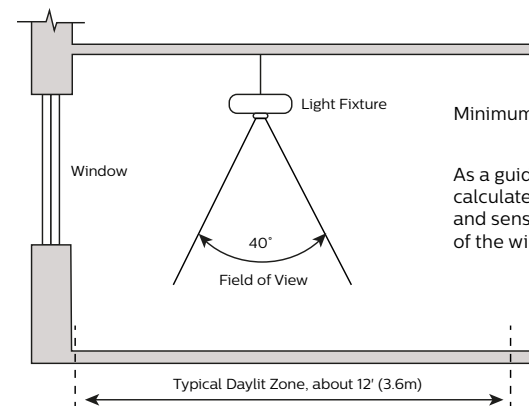


The detection area for the movement sensor can be roughly divided into two parts:

- Minor movement (person moving $\leq 3.0'$ /s or 0.9m/s).
- Major movement (person moving $\geq 3.0'$ /s or 0.9m/s).

Height H	Minor Movement		Major Movement	
	Y1	X1	Y2	X2
8'/2.4m	10'/2.9m	9'/2.7m	15'/4.5m	9'/2.9m
10'/3m	12'/3.6m	11'/3.4m	18'/5.4m	12'/3.6m

Note: Longer dimension of detection area (Y1, Y2) is parallel to longer dimension of sensor.



Minimum distance from the window $\geq 2.0/0.6m$.

As a guideline the formula $0.72 \times H$ can be used to calculate the minimum distance between the window and sensor whereby H is the height from the bottom of the window to the ceiling.