

LED XSPW™ Version B Series Multi-Level Option

For use with XSPW-B Series Luminaires

Factory Settings

Mode: A - Occupancy Sensing & Daylight Harvesting, Dims to Low

Dim Setting: 5V

Time Delay: 15 minutes

Ramp Up: 2 seconds

Fade Down: 10 seconds

Limited Warranty*: 5 years on sensor

Product Description

Modes

The mode is factory set at A - Occupancy Sensing & Daylight Harvesting, Dims to Low; however, can be field adjusted to any of the modes listed below.

A - Occupancy Sensing & Daylight Harvesting, Dims to Low

The luminaire turns on at full lumen output when the ambient light level falls to 5fc or less. Upon vacancy, the luminaire dims to the low dim setting specified after the specified time delay has passed. When occupancy is detected, the luminaire returns to full lumen output. The luminaire turns off when ambient light levels exceed 10fc with a 3 second time delay.

B - Occupancy Sensing & Daylight Harvesting, Dims to Off

The luminaire turns on at full lumen output when ambient light level falls to 5fc or less and the sensor detects occupancy. Upon vacancy, the luminaire dims to the low dim setting specified after the specified time delay has passed. If the area remains vacant, the luminaire turns off after ½ the amount of the specified time delay has passed. When occupancy is detected, the luminaire returns to full lumen output. The luminaire turns off when ambient light levels exceed 10fc with a 3 second time delay.

C - Occupancy Sensing Only, Dims to Off

The luminaire turns on at full output whenever occupancy is detected, regardless of ambient light levels. Upon vacancy, the luminaire dims to the low dim setting specified after the specified time delay has passed. If the area remains vacant, the luminaire turns off after ½ the amount of the specified time delay has passed. Note: This mode is also used for Test Mode. When initially selected, the sensor goes into test mode for five minutes before switching to Mode C operation. The Test Mode functionality is the same as Mode C - except the time delay is fixed at 5 seconds and the cutoff time would be 2.5 seconds.

D - Occupancy Sensing & Daylight Harvesting, Maximum On Level, Dims to Off

The luminaire turns on at the output specified on the dim setting when ambient light level falls to 5fc or less and the sensor detects occupancy. Upon vacancy, the luminaire turns off after the specified time delay has passed. The luminaire turns off when ambient light levels exceed 10fc with a 3 second time delay.

E - Service Mode

The service mode allows the visual adjustment of the dimming level. The luminaire turns on at the dim setting specified when the time delay is moved to the maximum position. The luminaire turns off when the time delay is moved to the minimum position.

Dimming

The dim setting comes factory set at 5V; however, may be field adjusted between 1V and 10V. This dial controls the low dim setting for Modes A, B, C and E or the high dim setting for Mode D.

Time Delay

The time delay setting comes factory set at 15 minutes; however, may be field adjusted between 30 seconds and 30 minutes. This dial controls the amount of time before the luminaire goes into low mode and/or turns off after occupancy is no longer detected. The time delay setting also controls the cutoff delay in Modes B and C. The cutoff duration is 1/2 the amount of the specified time delay.

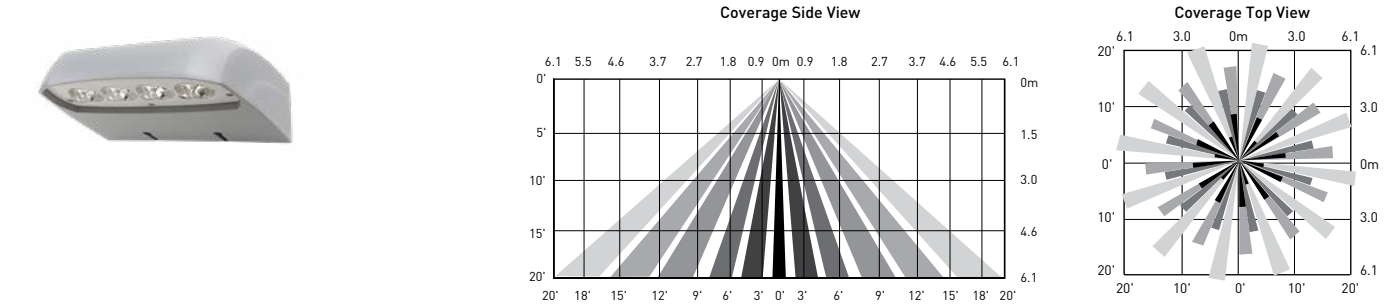
Ramp Up/Fade Down Time

The ramp up time from off to on (Modes A, B, C) or from off to high dimming (Mode E) is 2 seconds. The fade down time from on to dim or from dim to low is 10 seconds (Modes A, B, C, E). For Mode E and test mode, both the ramp up and fade down time is 0 seconds. This setting is not adjustable.

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Figure 1 – XSPW™ Version B Series Wall Mount Luminaires



Sensor Details			
Figure	Luminaire	ML Option	Coverage Area
1	XSPW Version B Series Wall Mount Luminaires	ML	Lens coverage: 20' (6.1m) optimal mounting height and 40' (12.2m) diameter coverage area with a 360° circular pattern. The minimum and maximum mounting heights are 10' (3.0m) and 30' (9.1m) respectively. Lens mounting height to coverage radius ratio is 1:1.

Product Availability	
Voltage	XSPW Version B Series
	Wall Mount
UL	All Lumen Packages*
UH, 34, 48	N/A

* May not be used with other options



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Dimming Table									
Lumen Package	0-10V Dim Setting	3000K/70 CRI		4000K/70 CRI		5000K/90 CRI		5700K/70 CRI	
		Lumen Multiplier	Power Multiplier	Lumen Multiplier	Power Multiplier	Lumen Multiplier	Power Multiplier	Lumen Multiplier	Power Multiplier
2L	10.0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	9.0	0.91	0.90	0.86	0.89	0.92	0.88	0.86	0.89
	7.6	0.77	0.80	0.74	0.79	0.78	0.79	0.73	0.79
	6.3	0.65	0.65	0.61	0.68	0.64	0.67	0.61	0.63
	5.0	0.51	0.55	0.49	0.53	0.50	0.54	0.49	0.53
	3.7	0.38	0.40	0.36	0.42	0.35	0.42	0.36	0.42
	2.3	0.24	0.30	0.22	0.32	0.18	0.29	0.22	0.26
	1.0	0.20	0.30	0.20	0.32	0.10	0.25	0.20	0.32
4L	10.0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	9.0	0.91	0.91	0.89	0.94	0.91	0.90	0.89	0.90
	7.6	0.78	0.79	0.77	0.81	0.78	0.78	0.76	0.77
	6.3	0.66	0.67	0.65	0.68	0.64	0.68	0.63	0.65
	5.0	0.53	0.55	0.52	0.55	0.50	0.55	0.65	0.55
	3.7	0.40	0.42	0.39	0.42	0.34	0.43	0.38	0.42
	2.3	0.25	0.27	0.24	0.29	0.16	0.28	0.24	0.29
	1.0	0.12	0.18	0.12	0.19	0.08	0.15	0.12	0.19
6L	10.0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	9.0	0.92	0.88	0.85	0.91	0.94	0.92	0.86	0.89
	7.6	0.80	0.75	0.74	0.79	0.84	0.78	0.74	0.77
	6.3	0.68	0.65	0.63	0.68	0.73	0.68	0.63	0.66
	5.0	0.55	0.53	0.51	0.55	0.61	0.55	0.51	0.55
	3.7	0.42	0.41	0.39	0.43	0.46	0.43	0.39	0.43
	2.3	0.26	0.27	0.25	0.30	0.29	0.28	0.24	0.28
	1.0	0.12	0.16	0.11	0.15	0.10	0.15	0.11	0.15
8L	10.0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	9.0	0.91	0.90	0.87	0.92	0.97	0.90	0.86	0.90
	7.6	0.79	0.77	0.76	0.78	0.89	0.77	0.75	0.77
	6.3	0.68	0.64	0.65	0.65	0.79	0.64	0.64	0.65
	5.0	0.56	0.52	0.54	0.53	0.67	0.53	0.53	0.52
	3.7	0.43	0.40	0.41	0.40	0.52	0.40	0.41	0.41
	2.3	0.28	0.26	0.27	0.26	0.33	0.27	0.26	0.27
	1.0	0.12	0.13	0.12	0.14	0.13	0.13	0.12	0.14