

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

FEATURES

Standard:

- Detachable steel back plate designed for easy installation
- Surface mount or wall mount options available in 1', 2', 3' and 4' lengths
- Optional integral emergency battery pack
- Aluminum Housing with Thermoplastic End Caps
- Frosted acrylic lens
- ADA (Americans with Disabilities Acts) compliant

Vandal Resistant Version Upgrades:

- Aluminum housing and diecast end caps
- Frosted Polycarbonate Lens
- IK10 / IP65
- Stainless steel tamper-resistant TORX™ head screws



CONTROLS TECHNOLOGY



SPECIFICATIONS

CONSTRUCTION

- Housing constructed of an extruded aluminum body capped with thermoplastic or die-cast (vandal resistant version) aluminum end caps.
- Wireway constructed of code-gauge steel. End caps are injection molded ABS material (standard)
- Housing and end caps encapsulate the one-piece lens, and pressed together with locking fasteners to create a very strong permanent joint.
- Housing components act as heat sink for LED heat dissipation
- White painted parts are treated with a five stage phosphate bonding process and finished with high reflectance durable polyester powder coat baked enamel finish

OPTICS

- Frosted wrapped acrylic lens on standard version; Highly UV stable frosted polycarbonate on Vandal-Resistant version

ELECTRICAL

- Long-life LEDs are rated for 60,000 hours at L80 lumen maintenance
- Driver options include 0–10V dimming, 1% dimming, dim-to-off or step dimming
- Superior drivers and long-life LEDs provide quality illumination for prolonged service life
- Drivers < 10% THD at 120V, power factor > 0.95

CONTROLS

- Optional SpectraSync™ offers a Tunable White solution and integrates seamlessly into a variety of control systems
- NX Lighting Controls provides options for standalone and networked integrated sensor with wired connectivity for NX system deployments

CERTIFICATIONS

- All luminaires are built to UL 1598 standards, and bear appropriate cCSAus labels
- Damp Location label standard; Wet Location available as an option. Wet location option is IP65 rated
- CSA certified to UL 924 standards with

battery pack or DTS (Dimming Bypass Module) options

- Vandal-Resistant version is IK10 impact rated
- Adheres to LM79, LM80, and TM21 industry standards

CERTIFICATIONS (CONTINUED)

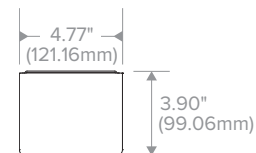
- The DTS, Dimming Bypass Module, is for emergency circuit control loads including sensors and wireless systems CSA certified to UL 924. See page 8 for wiring diagram.
- This product qualifies as a “designated country construction material” per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 03/30/2021.

WARRANTY

- 5 year warranty



End View



KEY DATA

Lumen Range	957–5510
Wattage Range	8.6–41.4
Efficacy Range (LPW)	108–148.9
Reported Life (Hours)	L80–60,000

ORDERING GUIDE

Example: W3B4-40ML-SF-ED1U

CATALOG #

W3B														
Model		Size		Version		CRI		Color Temp		Nominal Lumens ³		Lens		
W3B Wall3™ Wall Bracket	1	1'	Blank TP	Standard Vandal- Resistant	Blank	>80	30	3000K	XW	4' (2711)	SFA Square Frosted Acrylic SFP Square Frosted Polycarbonate ⁴			
	2	2'					35	3500K	VW	1' (1049), 2' (1521), 4' (3367)				
	3	3'					40	4000K	MW	1' (1656), 2' (2003), 3' (2528), 4' (3688)				
	4	4'					50	5000K	LW	1' (2248), 2' (2615), 3' (3146), 4' (4318)				
							2765T	2700K–6500K SpectraSync™ Tunable White ^{1,2}	ML	1' (2825), 2' (3331), 3' (3759), 4' (4930)				
									HL	3' (4367), 4' (5525)				

Driver		Voltage		Options		Control Options ¹³	
ED	0-10V Dimming	U	120V-277V	ELL14	Emergency Battery Pack, 10W ^{2, 5, 6, 7, 8, 9}	<u>NX Connect Wireless</u>	
ED1	0-10V 1% Dimming	347	347V (ED & ED1 only)	ELL14H2	Emergency Battery Pack, 2-Hour Run Time ^{2, 5, 6, 7, 8, 9, 10}	NXCS NX Connect NXC-WIZ20 Wireless Indoor Occupancy & Photocell Sensor ^{5, 6, 14, 15, 16, 17, 18, 21}	
EDD	0-10V Dim-to-Off			ELL14ST	Emergency Battery Pack, Self-testing ^{2, 5, 6, 8, 9}	<u>NX Networked – Wired</u>	
ESD	Step Dimming ^{5, 6}			GLR	Fast Blow Fuse	NXE NX Wired Dual RJ45 SmartPORTs, without Sensor ^{2, 6, 19, 20}	
LUTH	Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology ^{5, 6}			DTS	Dimming Bypass Module ^{2, 5, 6, 9, 11}	NXESM NX Wired Dual RJ45 SmartPORTs and Integral NXSMP2-SMI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{2, 6, 14, 15, 19, 20}	
DALIP	Powered by DALI ^{5, 6}			MB	Matte Black	<u>Third-Party Control Options</u>	
				ZT	ZET Metallic Silver ⁴	ODPG Occupancy and Daylight Sensors w/ Grouping, Philips SNS200 ^{5, 14, 16, 21}	
				WL	Wet Location ^{4, 12}	OCMD Dimming Microwave Sensor (MC601V) ^{6, 19, 21}	
						LVR Lutron Vive Integral Fixture Control DFCSJ-OEM-RF (RF only) ^{5, 14, 16, 21, 22}	
						LVS Lutron Vive Integral Fixture Control DFCSJ-OEM-OCC (RF with daylight and occupancy sensing) ^{5, 14, 16, 21, 22}	

Notes:

1 Available with ED driver and 80 CRI only

2 Combination of SpectraSync, NX and emergency battery pack is not available

3 Refer to performance tables for exact values and available lumen outputs for fixture size

4 Only available with TP, Vandal-Resistant option

5 Not available with 347V

6 Not available in 1' size, W3B1

7 Not available in 2' size, W3B2

8 To determine lumen output in emergency mode, multiply the battery pack wattage by the fixture lumens per watt (LPW)

9 For compatibility with Dual-Lite Litegear inverters, contact lighting representative

10 Not available for use in Canada

11 For emergency circuit control loads including sensors and wireless systems CSA certified to UL 924, only available with 0-10V driver. See wiring diagram page 8.

12 Not available with Controls (except OCMD) or Emergency Battery Pack

All Controls

13 Minimum ambient temperature: 0°C (32°F)

14 Not available with TP, Vandal-Resistant option

15 Control options include Injection Molded ABS End Caps

NX Lighting Controls Options

16 Only available with DALIP driver option

17 NX Connect devices can be configured using the NX Connect Mobile App, available in the Apple App Store

18 NX Connect devices are not compatible with NX Networked Wireless or Wired Options

19 Only available with ED, ED1 or EDD driver options

20 NX combined with SpectraSync is not available in 347V

Other Lighting Controls Options

21 Not available with SpectraSync

22 Vive is a trademark of Lutron Electronics Co., Inc.

DATE:	LOCATION:
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PRODUCT EXCEPTIONS & DETAILS

Driver options listed below are available for the outputs as shown.

DRIVER AVAILABILITY TABLE — 1'				
1'	VW	MW	LW	ML
ED	x	x	x	x
ED1	x	x	x	x
EDD	x	x	x	x
ESD				
LUTH				
347	x	x	x	x
DALIP				

DRIVER AVAILABILITY TABLE — 2'				
2'	VW	MW	LW	ML
ED	x	x	x	x
ED1	x	x	x	x
EDD	x	x	x	x
ESD		x	x	x
LUTH	x	x	x	x
347	x	x	x	x
DALIP	x	x	x	x

DRIVER AVAILABILITY TABLE — 3'				
3'	VW	MW	LW	ML
ED	x	x	x	x
ED1	x	x	x	x
EDD	x	x	x	x
ESD	x	x	x	x
LUTH	x	x	x	x
347	x	x	x	x
DALIP	x	x	x	x

DRIVER AVAILABILITY TABLE — 4'						
4'	XW	VW	MW	LW	ML	HL
ED	x	x	x	x	x	x
ED1	x	x	x	x	x	x
EDD	x	x	x	x	x	x
ESD	x	x	x	x	x	x
LUTH	x	x	x	x	x	x
347	x	x	x	x	x	x
DALIP	x	x	x	x	x	x

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CONTROLS

NX Lighting Controls:

Supports both indoor and outdoor applications in a variety of deployment options- wired, wireless, hybrid.
Integrates with and enables a wide array of luminaires including those with SpectraSync™ Color Tuning Technology.



NX INTEGRATED CONTROLS REFERENCE								
NX Option	Sensor	Networkable	Scheduling	Occupancy	Daylight Harvesting	0–10V Dimming	On/off Control	Bluetooth® App Programming
NX Networked – Wired								
NXE	N/A	Yes	Yes	No	No	Yes	Yes	Requires NXBTC ¹ dongle
NXESM	NXSMP2-SMI-XX	Yes	Yes	Yes	Yes	Yes	Yes	Yes

¹ NXBTC needs to be plugged into an available NX SmartPORT™ on the fixture network

Philips EasySense Controls ODPG Sensor:



- Occupancy sensing, daylight harvesting, task tuning and grouping in one device
- Standalone control or grouping to wireless switches¹
- Uses Philips field apps for on site commissioning^{2,3}
- Ability to create scenes for various room configurations
- Cost-effective solution for energy-savings and code-compliance strategies
- DLC® Qualified: Listed on the QPL for Networked Lighting Controls. Please refer to the DLC website for specific product qualifications at www.designlights.org

¹ Wireless switches only compatible with ODPG Philips EasySense

² Requires android device or IR dongle.

Wireless Switch Accessories¹

- ☐ PESR-WH EasySense compatible wireless single rocker switch, white
- ☐ PEDR-WH EasySense compatible wireless dual rocker switch, white



SpectraSync™ Color Tuning Technology:

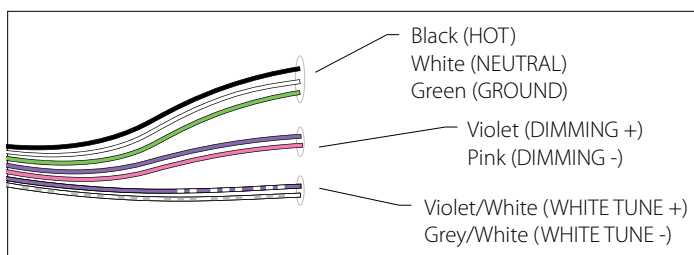
Control your space based on the needs of the application, specific activities throughout the day and preferences of the occupants with distinct SpectraSync™ Color Tuning Technologies.



SPECTRASYNCR COLOR TUNING TECHNOLOGY		
Mode	Kelvin Range	Description
Tunable White	2700K–6500K	Offers users the ability to tailor CCT to their personal preference, enhancing task visibility, material and colors or the aesthetics of the space

SpectraSync Tunable White

Available in 2765T (2700K–6500K). Requires two 0–10V controllers, one for intensity and one for CCT. Minimum 5% dimming.

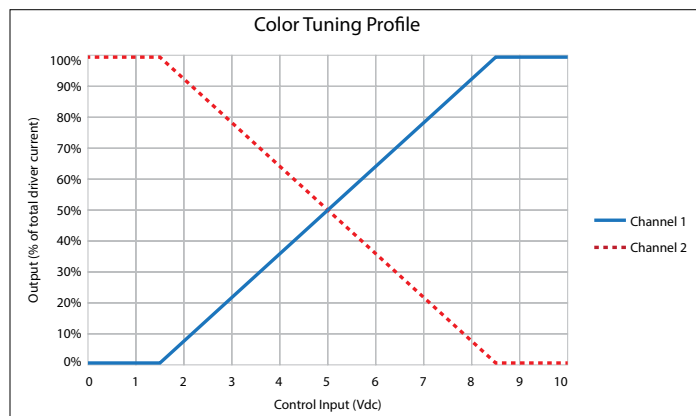


SpectraSync Tunable White luminaires are provided with two 0–10V circuits. The violet and pink circuit is for wiring to any qualified 0–10V controller for dimming. The violet/white and pink/white circuit is for wiring to any qualified 0–10V controller for Tunable White CCT control.

Controller Manufacturer Data

SpectraSync Tunable White was designed to be used with sinking style dimmers (provided by others) and is compatible with:

- NX Lighting Controls Room Controller (NXRC) and In-fixture Controllers (NXFM)
- Lutron: DDTV, DVSTV, and NDTV dimmers
- Wattstopper: ADF120277 and CD4BL (Titan) dimmers



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SPECTRASync™ AND NX AVAILABILITY TABLE



		Only With 80 CRI										
			No Battery Pack		With ELL14ST		With ELL14		With ELL14H2		With DTS	
Size	Lumen package	CTC	NX	CTC+NX	NX	CTC+NX	NX	CTC+NX	NX	CTC+NX	NX	CTC+NX
1ft	VW	Y	N	Y	N	N	N	N	N	N	N	N
	MW	Y	N	Y	N	N	N	N	N	N	N	N
	LW	Y	N	Y	N	N	N	N	N	N	N	N
	ML	Y	N	Y	N	N	N	N	N	N	N	N
2ft	VW	Y	Y	Y	N	Y	N	N	N	N	Y	Y
	MW	Y	Y	Y	N	Y	N	N	N	N	Y	Y
	LW	Y	Y	Y	N	Y	N	N	N	N	Y	Y
	ML	Y	Y	Y	N	Y	N	N	N	N	Y	Y
3ft	MW	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	LW	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	ML	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	HL	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
4ft	XW	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	VW	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	MW	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	LW	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	ML	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	HL	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

DATE:	LOCATION:
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DELIVERED LUMENS

SIZE	LUMEN PACKAGE	COLOR	LUMENS	INPUT WATTS	LPW
W3B1	VW	3000K	957	8.3	115
		3500K	1005	8.6	117
		4000K	1021	8.6	119
		5000K	1061	8.6	124
	MW	3000K	1497	13.0	115
		3500K	1576	12.8	124
		4000K	1602	12.8	126
		5000K	1663	12.8	130
	LW	3000K	1996	17.3	115
		3500K	2084	17.7	118
		4000K	2117	17.7	120
		5000K	2199	17.7	124
	ML	3000K	2429	22.5	108
		3500K	2524	22.1	114
		4000K	2565	22.1	116
		5000K	2563	22.1	116
W3B2	VW	3000K	1554	12.0	129
		3500K	1612	11.9	135
		4000K	1631	11.9	137
		5000K	1686	11.9	142
	MW	3000K	1978	15.9	124
		3500K	2113	15.8	134
		4000K	2138	15.8	135
		5000K	2210	15.8	140
	LW	3000K	2556	20.5	125
		3500K	2725	20.5	133
		4000K	2758	20.5	135
		5000K	2850	20.5	139
	ML	3000K	3224	23.6	136
		3500K	3056	23.6	129
		4000K	3093	23.6	131
		5000K	3526	26.2	135
W3B3	MW	3000K	2726	18.2	150
		3500K	2808	18.2	154
		4000K	2854	18.2	157
		5000K	2961	18.2	163
	LW	3000K	3035	22.5	135
		3500K	3126	22.5	139
		4000K	3178	22.5	142
		5000K	3296	22.5	147
	ML	3000K	3645	27.1	135
		3500K	3754	27.1	139
		4000K	3816	27.1	141
		5000K	3958	27.1	146
	HL	3000K	4084	31.4	130
		3500K	4206	31.4	134
		4000K	4276	31.4	136
		5000K	4344	31.5	138
W3B4	XW	3000K	2598	18.6	140
		3500K	2779	18.6	149
		4000K	2707	18.6	146
		5000K	2707	18.6	146
	VW	3000K	3171	23.0	138
		3500K	3441	23.1	149
		4000K	3304	23.0	144
		5000K	3304	23.0	144
	MW	3000K	3523	25.4	139
		3500K	3611	25.4	142
		4000K	3671	25.4	145
		5000K	3671	25.4	145
	LW	3000K	4172	30.1	139
		3500K	4276	30.1	142
		4000K	4347	30.1	144
		5000K	4347	30.1	144
	ML	3000K	4767	34.6	138
		3500K	4886	34.6	141
		4000K	4967	34.6	143
		5000K	4967	34.6	143
	HL	3000K	5289	41.4	128
		3500K	5415	41.4	131
		4000K	5509	41.4	133
		5000K	5509	41.4	133

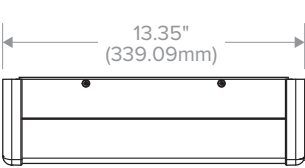
Wall3™

VANDAL RESISTANT WALL BRACKET

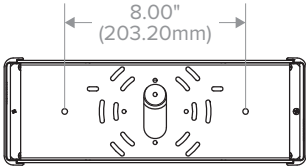
When selecting Vandal Resistant Option

DATE:	LOCATION:
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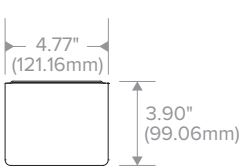
DIMENSIONS



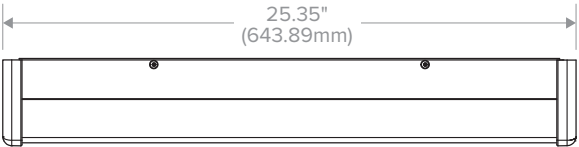
1ft Side View



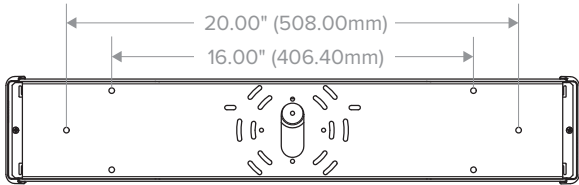
1ft Top View



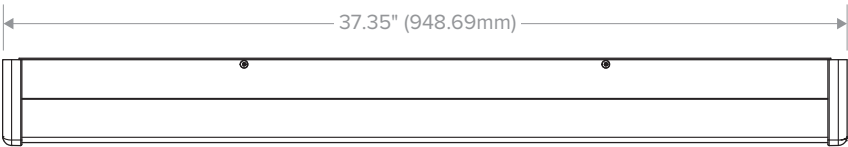
End View (all sizes)



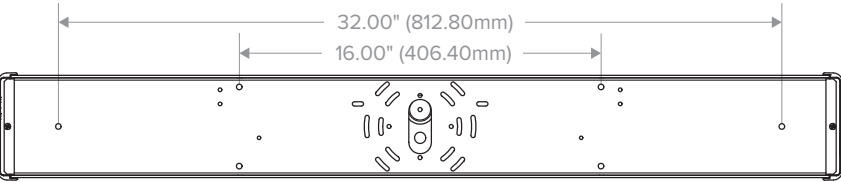
2ft Side View



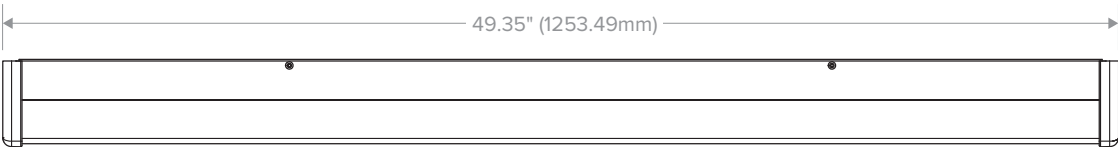
2ft Top View



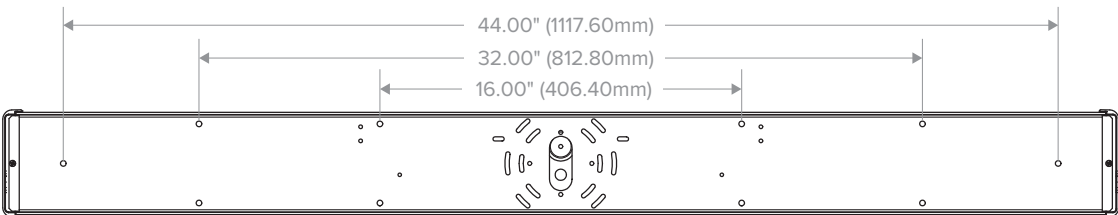
3ft Side View



3ft Top View



4ft Side View



4ft Top View

DATE:	LOCATION:
TYPE:	PROJECT:
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PHOTOMETRY

W3B2-35LW-SFA-EDU

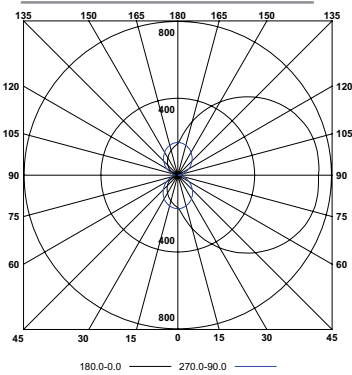
LUMINAIRE DATA

Test No.	20.01182
Description	2' Wall-Mount w/ Opal-White Acrylic Refractor
Delivered Lumens	2725
Watts	20.5
Efficacy	133
Mounting	Surface
Spacing Criterion	0° = N/A 90° = N/A

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	167	6.1
0-40	305	11.2
0-60	688	25.3
0-90	1364	50.1
0-180	2725	100.0

POLAR GRAPH



W3B4-35LW-SFA-EDU

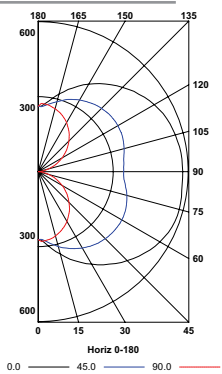
LUMINAIRE DATA

Test No.	21.00023
Description	4' Linear Wall-Mount w/ 3-Sided Wall Bracket
Delivered Lumens	4276
Watts	30.1
Efficacy	142
Mounting	Surface
Spacing Criterion	0° = 2.43 90° = 1.25

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	268	6.3
0-40	489	11.4
0-60	1100	25.7
0-90	2181	51.0
0-180	4276	100.0

POLAR GRAPH



ADDITIONAL INFORMATION

DTS WIRING DIAGRAM (0-10V DIMMING DRIVER SHOWN)

