

VSY12

VERSIFY™ '1X2' ARCHITECTURAL EDGE-LIT

DATE: _____ LOCATION: _____
 TYPE: _____ PROJECT: _____
 CATALOG #: _____



FEATURES

- Architectural styling in an edge-lit luminaire
- High efficiency acrylic lens featuring edge lit technology
- Ideal for offices, schools, medical, and public spaces
- Up to 140 lumens per watt
- Stylish controls integration
- 2" overall depth, 2 ¼" with emergency battery pack
- Surface mount kit available as an accessory



RELATED PRODUCTS

- [VSY14](#) [VSY22](#) [VSY24](#)

CONTROL TECHNOLOGY



SPECIFICATIONS

CONSTRUCTION

- Extruded aluminum side and center rails, cast aluminum end caps, cold-rolled steel driver enclosure
- Acrylic light guide and diffuser with custom frost for high efficacy without pixelation
- Rail and end cap surfaces are finished after fabrication with unique formula high-reflectivity matte white paint

INSTALLATION

- An access plate is furnished with each luminaire for fast wiring access without the necessity to open the fixture or wireway
- Luminaire fits recessed exposed Grid ceilings (G); four NEC compliant T-bar clips included
- Can be placed in Slot Grid (SG) style ceiling with regress ¾" above ceiling plane
- A Flange Kit (FK) accessory is available for recessed hard ceiling applications
- Surface Mount (SM) accessory allows placement below ceiling plane

ELECTRICAL

- 60,000 hour LEDs at L80 for reduced maintenance
- 82 CRI standard or optional 90 CRI for color sensitive applications

CONTROLS

- Optional SpectraSync™ offers two modes of Tunable White solutions and integrates seamlessly into a variety of control systems
- NX Distributed Intelligence™ provides options for standalone and networked integrated sensor with wired or wireless connectivity for NX system deployments

CERTIFICATIONS

- IC label is standard for recessed products
- All luminaires are built to UL 1598 and 2108 standards, and bear appropriate cCSAus labels
- CSA certified to UL 924 standards with battery pack or DTS (Dimming Bypass Module) options
- Damp Location label standard
- UL Sanitation certified to NSF standards
- Adheres to LM79, LM80, and TM21 industry standards

CERTIFICATIONS (CONTINUED)

- DLC® (DesignLights Consortium) Qualified, with some Premium Qualified configurations. Please refer to the DLC website for specific product qualifications at www.designlights.org
- The DTS, Dimming Bypass Module, is for emergency circuit control loads including sensors and wireless systems CSA certified to UL 924. See page 7 for wiring diagram. [Link to Dimming Bypass Module Specification sheet](#)

WARRANTY

- 5 year warranty
- See [HLI Standard Warranty](#) for additional information

KEY DATA	
Lumen Range	1407–4487
Wattage Range	11–33
Efficacy Range (LPW)	125–140
Reported Life (Hours)	L80/60,000
Input Current Range (mA)	40–270

ORDERING GUIDE

Example: VSY12-35MLHEG-EDU

CATALOG #

Model	CRI	Color Temp	Delivered Lumens ²	Ceiling Type	Driver	Voltage
VSY12 Versify 1'x2' Architectural Edge-Lit	Blank	>80	30 3000K	VWHE 1440	ED 0-10V Dimming ED1 0-10V 1% Dimming EDD 0-10V Dim-to-Dark LUTH Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology ^{4,11} LUT5 5-Series EcoSystem LED driver ^{4,11} DALIP DALI Power Bus ^{4,5,11}	U 120-277V 347 347V
	9	>90	35 3500K	MWHE 1950		
			40 4000K	LWHE 2560		
			50 5000K	MLHE 3290		
			2750T 2700K-5000K SpectraSync™ Tunable White ^{1,6}	HLHE 3635		
			2765T 2700K-6500K SpectraSync™ Tunable White ^{1,6}	VLHE 4410		

Options	
ELL14	Emergency Battery Pack, 1400 Lumens ^{4,6,7}
ELL14ST	Emergency Battery Pack, 1400 Lumens, Self Test ^{4,6,7}
ELL14H2	Emergency Battery Pack, 2-Hour Run Time ^{4,6,7}
DTS	Dimming Bypass Module ^{4,6,7,8}
C3xx	3-Wire Flex ¹⁰
C4xx	4-Wire Flex ¹⁰
C5xx	5-Wire Flex ¹⁰
C6xx	6-Wire Flex ¹⁰
GLR	Fast Blow Fuse
CP	Chicago Plenum

Control Options	
<u>NX Standalone</u>	
NXS	NX, PIR BT Occupancy/Daylight Sensor, Slide Mount ^{4,6,10,11}
<u>NX Networked – Wired</u>	
NXE	NX, Dual SmartPORTs ^{4,6,10,11}
NXES	NX, PIR BT Occupancy/Daylight Sensor, Slide Mount, Dual SmartPORTs ^{4,6,10,11}
<u>NX Networked – Wireless</u>	
NXSW	NX Wireless, PIR BT Occupancy/Daylight Sensor ^{4,6,9,10,11}
NXWE	NX Wireless Enabled ^{4,6,9,10,11}
<u>NX Networked – Wired/Wireless Hybrid</u>	
NXSWD	NX Wireless, PIR BT Occupancy/Daylight Sensor, Dual SmartPORTs ^{4,6,9,10,11}
NXWD	NX Wireless, Dual SmartPORTs ^{4,6,9,10,11}
<u>Third-Party Control Options</u>	
ODPG	Occupancy and Daylight Sensors w/ Grouping, Philips SNS200 ^{4,12,14}
LVS	Lutron Vive Wireless DFCSJ-OEM-OCC In-Fixture Control with Daylight and Occupancy Sensing ^{12,13,14}
LVR	Lutron Vive Wireless DFCSJ-OEM-RF In-Fixture Control (RF only) ^{12,13,14}

Accessories

- FK12** 1' x 2' Single Flange Kit (Shipped separately)
- KIT-VSY12 SM** VSY Surface Mount Kit (1'x2')⁹

Notes:

- 1 Available with ED driver only. See Availability Table for lumen package options
- 2 Refer to performance tables for exact values and available lumen outputs for fixture size. High efficacy versions designated with "HE"
- 3 For drywall, order G with flange kit accessory
- 4 Not available in 347V; additional limitations apply based on lumen package (see Product Exceptions & Details on following page)
- 5 DALIP only available with ODPG, LVS and LVR control options
- 6 Combination of all three; SpectraSync, NX, and emergency battery pack not available
- 7 For compatibility with Dual-Lite Litegear inverters, contact Hubbell Lighting representative
- 8 For emergency circuit control loads including sensors and wireless systems CSA certified to UL 924. See page 7 for wiring diagram

NX In-Fixture Control Options:

- 9 NXSW, NXWE, NXWD, and NXSWD not compatible with surface mount
- 10 For NX control and flex wire together consult factory
- 11 NX is not available with LUTH, LUT5 or DALIP options

Third-Party Control Options:

- 12 Not available with SpectraSync
- 13 Vive is a trademark of Lutron Electronics Co., Inc
- 14 ODPG, LVS and LVR only available with DALIP

For questions about configuration options, contact Hubbell Representative

DATE:	LOCATION:
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PRODUCT EXCEPTIONS & DETAILS

Options listed below are available for the outputs as shown.

AVAILABILITY TABLE						
	VWHE	MWHE	LWHE	MLHE	HLHE	VLHE
ED	X	X	X	X	X	X
ED1	X	X	X	X	X	X
EDD	X	X	X	X	X	X
LUTH		X	X	X	X	X
LUT5		X	X	X	X	X
DALIP	X	X	X	X	X	X
SpectraSync™	X	X	X			

CONTROLS

NX Distributed Intelligence™ 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 Standalone								
NXS	NXSMP-SMI	No	Yes	Yes	Yes	Yes	Yes	Yes
NX Networked – Wired								
NXE	N/A	Yes	Yes	No	No	Yes	Yes	Requires NXBTC/R ¹
NXES	NXSMP-SMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NX Networked – Wireless								
NXSW	NXSMP-SMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NXWE	N/A	Yes	Yes	No	No	Yes	Yes	No ²
NX Networked – Wired/Wireless								
NXSWD	NXSMP-SMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NXWD	N/A	Yes	Yes	No	No	Yes	Yes	Requires NXBTC/R ^{1,2}

1 NXBTC/R needs to be plugged into an available NX SmartPORT™ on the fixture network
 2 To program NXWE option, need to consult factory. If connected to an area controller, programming can be done from that

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 GPL 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 [See link to Philips commissioning](#)
 3 Requires android device or IR dongle. See links for [phone compatibility](#) and [IR dongle](#)

Wireless Switch Accessories¹

- [PESR-WH](#) EasySense compatible wireless single rocker switch, white
- [PEDR-WH](#) EasySense compatible wireless dual rocker switch, white



DATE:	LOCATION:
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CONTROLS (CONTINUED)

SpectraSync™ Color Tuning Technology:

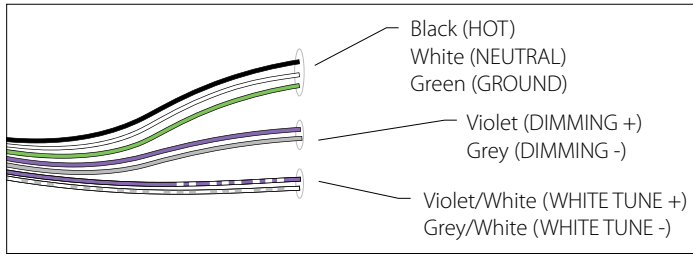
Control your space based on the needs of the application, specific activities throughout the day and preferences of the occupants with distinct SpectraSync™ Color Tuning Technologies.



SPECTRASYNC COLOR TUNING TECHNOLOGY		
Mode	Kelvin Range	Description
Tunable White	2700K–5000K 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 two options: 2750T (2700K–5000K) or 2765T (2700K–6500K). Requires two 0–10V controllers, one for intensity and one for CCT. Minimum 5% dimming.

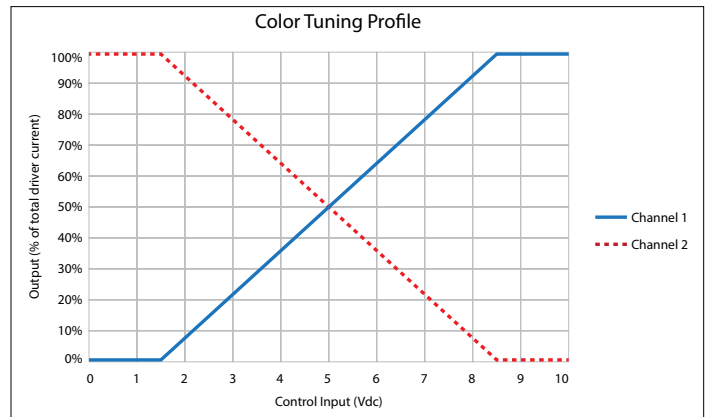


SpectraSync Tunable White luminaires are provided with two 0–10V circuits. The violet and grey circuit is for wiring to any qualified 0–10V controller for dimming. The violet/white and grey/white circuit is for wiring to any qualified 0–10V controller for Tunable White CCT control.

Controller Manufacturer Data

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

- Hubbell Control Solutions (HCS): NX Distributed Intelligence™ Room Controllers (NXRC) and In-fixture Controllers (NXFM)
- Lutron: DDTV, DVSTV, and NFTV dimmers
- Wattstopper: ADF120277 and CD4BL (Titan) dimmers



To enable scheduling and for use with NX wall control preset stations please refer to Hubbell Control Solutions NX SpectraSync technical sheet.

DELIVERED LUMENS, SPECTRASYNC™



Lumen Output	Watts	2700		3000		3500		4000		5000		6500	
		Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW
VWHE	11	1347	121	1407	126	1442	129	1466	131	1428	128	1426	128
MWHE	15	1823	120	1905	125	1952	128	1985	130	1985	130	1930	127
LWHE	19	2394	124	2501	130	2563	133	2607	135	2607	135	2535	131

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DELIVERED LUMENS

PRODUCT AVAILABILITY 80 CRI			
Lumen Package	Lumens	Input Watts	LPW
VSY12-30VWHE	1407	11	126
VSY12-35VWHE	1442	11	129
VSY12-40VWHE	1466	11	131
VSY12-50VWHE	1428	11	128
VSY12-30MWHE	1905	15	125
VSY12-35MWHE	1952	15	128
VSY12-40MWHE	1985	15	130
VSY12-50MWHE	1985	15	130
VSY12-30LWHE	2501	19	130
VSY12-35LWHE	2563	19	133
VSY12-40LWHE	2607	19	135
VSY12-50LWHE	2607	19	135
VSY12-30MLHE	3209	24	131
VSY12-35MLHE	3288	24	135
VSY12-40MLHE	3344	24	137
VSY12-50MLHE	3344	24	137
VSY12-30HLHE	3551	27	134
VSY12-35HLHE	3636	27	137
VSY12-40HLHE	3699	27	140
VSY12-50HLHE	3699	27	140
VSY12-30VLHE	4306	33	132
VSY12-35VLHE	4413	33	135
VSY12-40VLHE	4487	33	137
VSY12-50VLHE	4275	32	133

VSY12

VERIFY™ '1'X2' ARCHITECTURAL EDGE-LIT

DATE: _____ LOCATION: _____

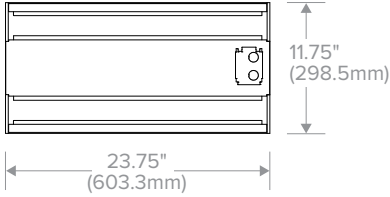
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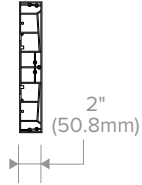
DIMENSIONS

GRID

Top view



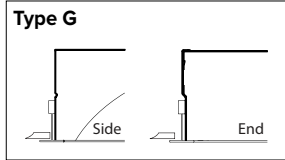
Front view



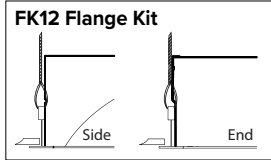
Side view



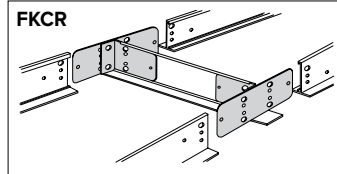
CEILING COMPATIBILITY



For lay-in installation in exposed grid ceilings. Maximum tee widths of 1" and maximum tee heights of 2" allowed.



For hard ceiling applications, order FK12 flange kit. Flange kit wires directly into concealed ceiling opening for a clean, finished appearance.



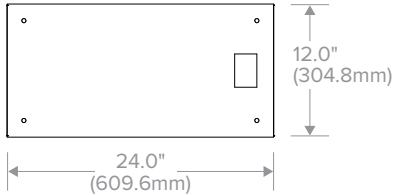
For flanged fixtures in row configurations, the FKCR adapter bracket kit is required in addition to the FK12 kit. Order one less FKCR than the total number of fixtures in row. (Example: Row of two, order (2) FK12 & (1) FKCR)

Row cut out dimensions using FK12s & FKCR adapters:
Width 12³/₈", Length [24" × (# in row)] + ³/₈".
Example: [24" × 2] + ³/₈" = 48³/₈"

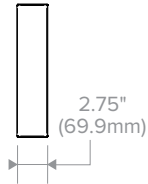
Flange kit cut out dimension for single unit only: 12³/₈" × 24³/₈"

SURFACE MOUNT

Top view



Front view



Side view



PHOTOMETRY

VS12-35LWHE-EDU

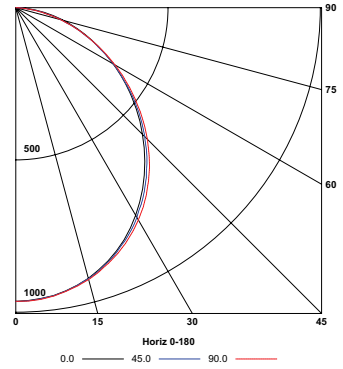
LUMINAIRE DATA

Test No.	19.00996
Description	Recessed Architectural Edge-Lit 1' x 2' LED with Acrylic Diffuser
Delivered Lumens	2563
Watts	19.29
Efficacy	133
Mounting	Recessed
Spacing Criterion	0° = 1.21 90° = 1.24

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	741	28.9
0-40	1201	46.9
0-60	2064	80.5
0-90	2563	100
0-180	2563	100

POLAR GRAPH



VS12-35MLHE-EDU

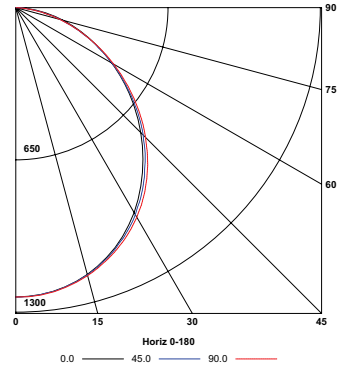
LUMINAIRE DATA

Test No.	19.00994
Description	Recessed Architectural Edge-Lit 1' x 2' LED with Acrylic Diffuser
Delivered Lumens	3288
Watts	24.43
Efficacy	135
Mounting	Recessed
Spacing Criterion	0° = 1.22 90° = 1.24

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	950	28.9
0-40	1540	46.8
0-60	2646	80.5
0-90	3288	100
0-180	3288	100

POLAR GRAPH



VS12-35HLHE-EDU

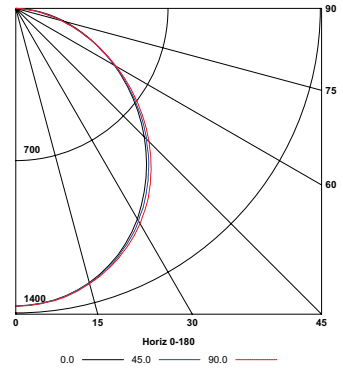
LUMINAIRE DATA

Test No.	23438
Description	Recessed Architectural Edge-Lit 1' x 2' LED with Acrylic Diffuser
Delivered Lumens	3636
Watts	26.50
Efficacy	137
Mounting	Recessed
Spacing Criterion	0° = 1.21 90° = 1.24

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	1052	28.9
0-40	1705	46.9
0-60	2928	80.5
0-90	3636	100
0-180	3636	100

POLAR GRAPH



ADDITIONAL INFORMATION

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

