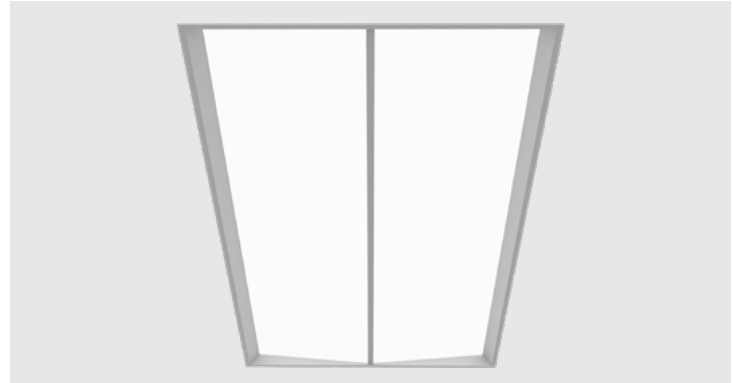


# VSY24

VERSIFY™ 2'X4' 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 150 lumens per watt
- Stylish controls integration
- 2" overall depth, 2 ¼" with emergency battery pack
- Surface mount kit available as an accessory



## RELATED PRODUCTS

- [VS12](#)   [VS14](#)   [VS22](#)

## 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](http://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	2138–8354
Wattage Range	18–60
Efficacy Range (LPW)	121–150
Reported Life (Hours)	L80/60,000
Input Current Range (mA)	60–500

**ORDERING GUIDE**

Example: VSY24-35MLHE-EDU

CATALOG # \_\_\_\_\_

Model	CRI	Color Temp	Delivered Lumens <sup>2</sup>	Ceiling Type	Driver	Voltage
VSY24 Verify 2'x4' Architectural Edge-Lit	Blank	>80	30 3000K	XWHE 2190	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 <sup>4,10</sup> LUT5 5-Series EcoSystem LED driver <sup>4,10</sup> DALIP DALI Power Bus <sup>4,5,10</sup>	U 120-277V 347 347V
		9	>90	35 3500K		
	40 4000K	MWHE 3760				
	50 5000K	LWHE 4310				
	2750T 2700K-5000K SpectraSync™ Tunable White <sup>1</sup>	MLHE 4810				
	2765T 2700K-6500K SpectraSync™ Tunable White <sup>1</sup>	HLHE 5650				
		VLHE 7185				
	XLHE 7905					

Options	Control Options
<p><b>ELL14</b> Emergency Battery Pack, 1400 Lumens<sup>4,6</sup></p> <p><b>ELL14ST</b> Emergency Battery Pack, 1400 Lumens, Self Test<sup>4,6</sup></p> <p><b>ELL14H2</b> Emergency Battery Pack, 2-Hour Run Time<sup>4,6</sup></p> <p><b>DTS</b> Dimming Bypass Module<sup>4,6,7</sup></p> <p><b>C3xx</b> 3-Wire Flex<sup>9</sup></p> <p><b>C4xx</b> 4-Wire Flex<sup>9</sup></p> <p><b>C5xx</b> 5-Wire Flex<sup>9</sup></p> <p><b>C6xx</b> 6-Wire Flex<sup>9</sup></p> <p><b>GLR</b> Fast Blow Fuse</p> <p><b>CP</b> Chicago Plenum</p>	<p><b>NX Standalone</b></p> <p><b>NXS</b> NX, PIR BT Occupancy/Daylight Sensor, Slide Mount<sup>4,9,10</sup></p> <p><b>NX Networked – Wired</b></p> <p><b>NXE</b> NX, Dual SmartPORTs<sup>4,9,10</sup></p> <p><b>NXES</b> NX, PIR BT Occupancy/Daylight Sensor, Slide Mount, Dual SmartPORTs<sup>4,9,10</sup></p> <p><b>NX Networked – Wireless</b></p> <p><b>NXSW</b> NX Wireless, PIR BT Occupancy/Daylight Sensor<sup>4,8,9,10</sup></p> <p><b>NXWE</b> NX Wireless Enabled<sup>4,8,9,10</sup></p> <p><b>NX Networked – Wired/Wireless Hybrid</b></p> <p><b>NXSWD</b> NX Wireless, PIR BT Occupancy/Daylight Sensor, Dual SmartPORTs<sup>4,8,9,10</sup></p> <p><b>NXWD</b> NX Wireless, Dual SmartPORTs<sup>4,8,9,10</sup></p> <p><b>Third-Party Control Options</b></p> <p><b>ODPG</b> Occupancy and Daylight Sensors w/ Grouping, Philips SNS200<sup>4,11,13</sup></p> <p><b>LVS</b> Lutron Vive Wireless DFCSJ-OEM-OCC In-Fixture Control with Daylight and Occupancy Sensing<sup>11,12,13</sup></p> <p><b>LVR</b> Lutron Vive Wireless DFCSJ-OEM-RF In-Fixture Control (RF only)<sup>11,12,13</sup></p>

**Accessories**

- FK24** 2' x 4' Single Flange Kit (Shipped separately)
- KIT-VSY24 SM** VSY Surface Mount Kit (2'x4')<sup>8</sup>

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
- 5 DALIP only available with ODPG, LVS and LVR control options
- 6 For compatibility with Dual-Lite Litegear inverters, contact Hubbell Lighting representative
- 7 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:**

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

**Third-Party Control Options:**

- 11 Not available with SpectraSync
  - 12 Vive is a trademark of Lutron Electronics Co., Inc
  - 13 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								
	XWHE	VWHE	MWHE	LWHE	MLHE	HLHE	VLHE	XLHE
ED	X	X	X	X	X	X	X	X
ED1	X	X	X	X	X	X	X	X
EDD	X	X	X	X	X	X	X	X
LUTH	X	X	X	X	X	X	X	X
LUT5	X	X	X	X	X	X	X	X
DALIP	X	X	X	X	X	X	X	X
SpectraSync™	X	X	X	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
<b>NX Standalone</b>								
<a href="#">NXS</a>	<a href="#">NXSMP-SMI</a>	No	Yes	Yes	Yes	Yes	Yes	Yes
<b>NX Networked – Wired</b>								
<a href="#">NXE</a>	N/A	Yes	Yes	No	No	Yes	Yes	Requires <a href="#">NXBTC/R</a> <sup>1</sup>
<a href="#">NXES</a>	<a href="#">NXSMP-SMI</a>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>NX Networked – Wireless</b>								
<a href="#">NXSW</a>	<a href="#">NXSMP-SMI</a>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<a href="#">NXWE</a>	N/A	Yes	Yes	No	No	Yes	Yes	No <sup>2</sup>
<b>NX Networked – Wired/Wireless</b>								
<a href="#">NXSWD</a>	<a href="#">NXSMP-SMI</a>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<a href="#">NXWD</a>	N/A	Yes	Yes	No	No	Yes	Yes	Requires <a href="#">NXBTC/R</a> <sup>1,2</sup>

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 switches<sup>1</sup>
- Uses Philips field apps for on site commissioning<sup>2,3</sup>
- 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](http://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 Accessories<sup>1</sup>**

- [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:**

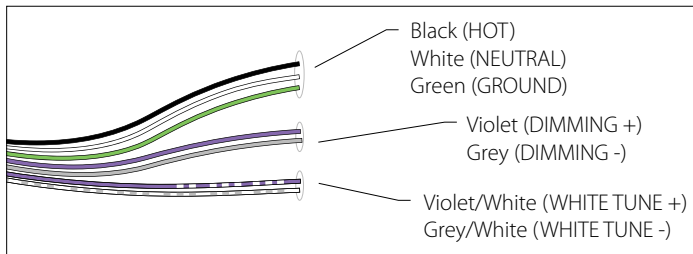
Control your space based on the needs of the application, specific activities throughout the day and preferences of the occupants with distinct SpectraSync™ Color Tuning Technologies.



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.

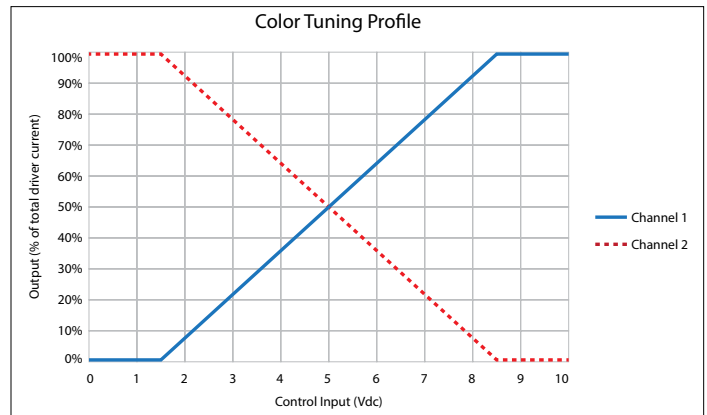


SpectraSync Tunable White luminaires are provided with two 0–10V circuits. The violet and grey circuit is for wiring to any qualified 0–10V controller for dimming. The violet/white and grey/white circuit is for wiring to any qualified 0–10V controller for Tunable White CCT control.

**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
XWHE	18	2046	116	2138	121	2192	124	2228	126	3267	135	3177	122
VWHE	25	3000	119	3135	124	3212	128	3267	130	3267	130	3177	126
MWHE	29	3512	120	3670	125	3760	128	3824	131	3824	131	3719	127
LWHE	33	4023	121	4204	126	4308	129	4381	131	4381	131	4260	128
MLHE	37	4494	122	4696	128	4812	131	4893	133	4893	133	4893	133
HLHE	38	5275	137	5513	143	5648	147	5744	149	5744	149	5586	145

**DELIVERED LUMENS**

PRODUCT AVAILABILITY 80 CRI			
LUMEN PACKAGE	LUMENS	INPUT WATTS	LPW
VSY24-30XWHE	2138	18	121
VSY24-35XWHE	2192	18	124
VSY24-40XWHE	2228	18	126
VSY24-50XWHE	2366	18	135
VSY24-30VWHE	3135	25	124
VSY24-35VWHE	3212	25	128
VSY24-40VWHE	3267	25	130
VSY24-50VWHE	3267	25	130
VSY24-30MWHE	3670	29	125
VSY24-35MWHE	3760	29	128
VSY24-40MWHE	3824	29	131
VSY24-50MWHE	3824	29	131
VSY24-30LWHE	4204	33	126
VSY24-35LWHE	4308	33	129
VSY24-40LWHE	4381	33	131
VSY24-50LWHE	4381	33	131
VSY24-30MLHE	4696	37	128
VSY24-35MLHE	4812	37	131
VSY24-40MLHE	4893	37	133
VSY24-50MLHE	4893	37	133
VSY24-30HLHE	5513	38	143
VSY24-35HLHE	5648	38	147
VSY24-40HLHE	5744	38	149
VSY24-50HLHE	5744	38	149
VSY24-30VLHE	7017	49	144
VSY24-35VLHE	7185	49	147
VSY24-40VLHE	7309	49	150
VSY24-50VLHE	7309	49	150
VSY24-30XLHE	7711	60	129
VSY24-35XLHE	7904	60	132
VSY24-40XLHE	8035	60	134
VSY24-50XLHE	8354	60	140

# VSY24

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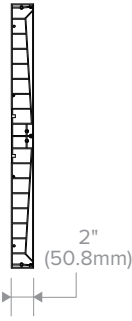
## DIMENSIONS

### GRID

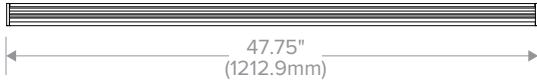
#### Top view



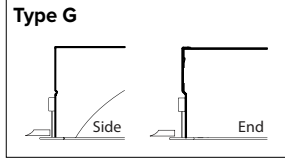
#### Front view



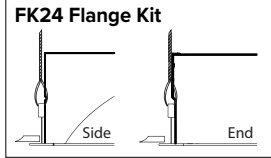
#### Side view



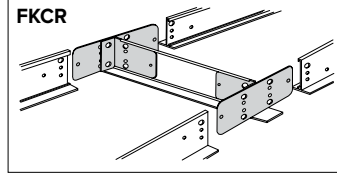
### CEILING COMPATIBILITY



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 FK24 flange kit. Flange kit wires directly into concealed ceiling opening for a clean, finished appearance.



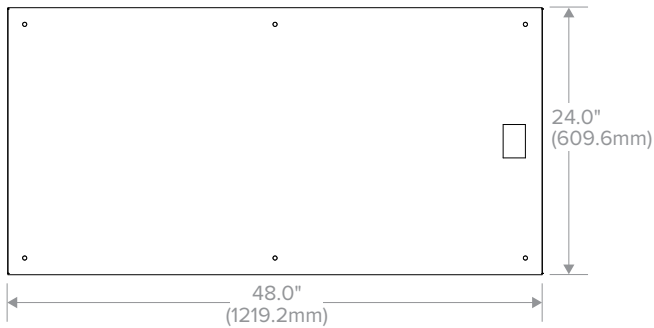
For flanged fixtures in row configurations, the FKCR adapter bracket kit is required in addition to the FK24 kit. Order one less FKCR than the total number of fixtures in row. (Example: Row of two, order (2) FK24 & (1) FKCR)

Row cut out dimensions using FK24s & FKCR adapters:  
Width 24<sup>3</sup>/<sub>8</sub>", Length [48" × (# in row)] + <sup>3</sup>/<sub>8</sub>".  
Example: (48" × 2) + <sup>3</sup>/<sub>8</sub>" = 96<sup>3</sup>/<sub>8</sub>"

**Flange kit cut out dimension for single unit only: 24<sup>3</sup>/<sub>8</sub>" × 48<sup>3</sup>/<sub>8</sub>"**

### SURFACE MOUNT

#### Top view



#### Front view



#### Side view

