Columbia LIGHTING

VSY14
VERSIFY™ 1'X4' ARCHITECTURAL EDGE-LIT

Versify

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

[Certification logos: DLC QPL Listed, DLC QPL Premium, cSAus, Built to UL 924 Standards, UL Sanitation, CP Chicago Plenum]

RELATED PRODUCTS

⊘ VSY12   ⊘ VSY22   ⊘ VSY24

CONTROL TECHNOLOGY

[SpectraSync Color Tuning Technology logo]   *[NX Distributed Intelligence logo]*

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 ⅜" 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	2119–8595
Wattage Range	18–61
Efficacy Range (LPW)	121–141
Reported Life (Hours)	L80/60,000
Input Current Range (mA)	60–510

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DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

VSY14
VERSIFY™ 1'X4' ARCHITECTURAL EDGE-LIT

ORDERING GUIDE

Example: VSY14–35MLHEG–EDU

CATALOG #

VSY14	–				G	–			–

Model	CRI	Color Temp		Delivered Lumens[2]		Ceiling Type	Driver		Voltage	
VSY14 Versify 1'x4' Architectural Edge-Lit	**Blank** >80 **9** >90	**30** **35** **40** **50** **2750T** **2765T**	3000K 3500K 4000K 5000K 2700K–5000K SpectraSync™ Tunable White[1] 2700K–6500K SpectraSync™ Tunable White[1]	**XWHE** **VWHE** **MWHE** **LWHE** **MLHE** **HLHE** **VLHE** **XLHE**	2170 3195 3795 4355 4845 5110 6670 8455	**G** Grid[3]	**ED** **ED1** **EDD** **LUTH** **LUT5** **DALIP**	0-10V Dimming 0-10V 1% Dimming 0-10V Dim-to-Dark Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology[4,10] 5-Series EcoSystem LED driver[4,10] DALI Power Bus[4,5,10]	**U** **347**	120–277V 347V

	–		

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

Accessories		
☐ **FK14**	1' × 4' Single Flange Kit (Shipped separately)	
☐ **KIT-VSY14 SM**	VSY Surface Mount Kit (1'x4')[8]	

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

HUBBELL Lighting

DATE: _____ LOCATION: _____

TYPE: _____ PROJECT: _____

CATALOG #: _____

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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
LUTH	X	X	X	X	X	X	X	X
LUT5	X	X	X	X	X	X	X	X
EDD	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 DISTRIBUTED INTELLIGENCE™

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 switches[1]
- 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-compliancy 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 See link to Philips commssioning

3 Requires android device or IR dongle. See links for phone compatiblity and IR dongle

Wireless Switch Accessories[1]

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

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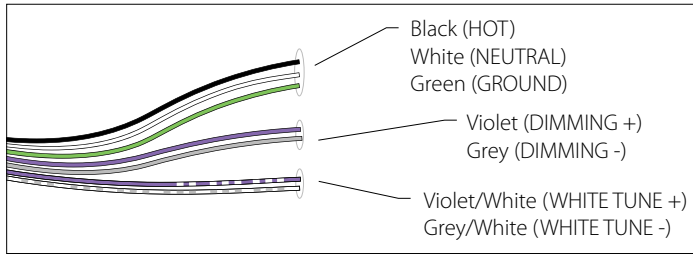
SpectraSync™ Color Tuning Technology:
Control your space based on the needs of the application, specific activities throughout the day and preferences of the occupants with distinct SpectraSync™ Color Tuning Technologies.

SpectraSync
Color Tuning Technology

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.

Black (HOT)
White (NEUTRAL)
Green (GROUND)
Violet (DIMMING +)
Grey (DIMMING -)
Violet/White (WHITE TUNE +)
Grey/White (WHITE TUNE -)

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: DVTV, DVSTV, and NFTV dimmers
- Wattstopper: ADF120277 and CD4BL (Titan) dimmers

Color Tuning Profile

Output (% of total driver current) vs Control Input (Vdc)

— Channel 1
---- Channel 2
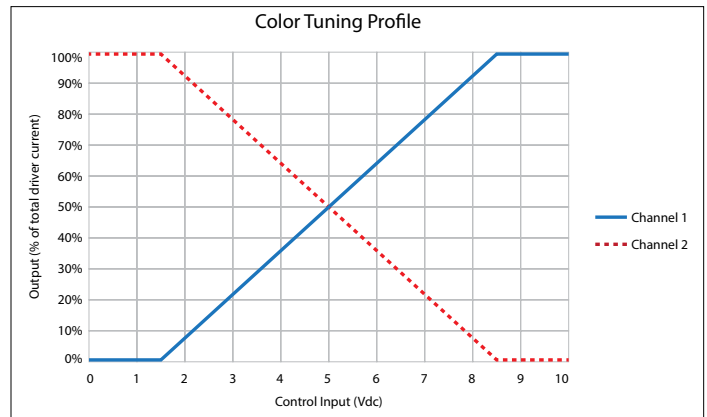
To enable scheduling and for use with NX wall control preset stations please refer to Hubbell Control Solutions NX SpectraSync technical sheet.

DELIVERED LUMENS, SPECTRASYNC™

SpectraSync
Color Tuning Technology

Lumen Output	Watts	2700		3000		3500		4000		5000		6500	
		Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW
XWHE	18	2028	115	2119	121	2172	124	2208	126	2129	121	2147	122
VWHE	25	2986	119	3121	124	3197	127	3252	129	3252	129	3162	126
MWHE	29	3546	122	3705	127	3797	131	3861	133	3861	133	3755	129
LWHE	33	4067	122	4250	128	4355	131	4429	133	4429	133	4307	129
MLHE	36	4525	125	4728	130	4844	134	4927	136	4927	136	4791	132
HLHE	38	4772	124	4987	130	5109	133	5196	135	5196	135	5053	131

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DELIVERED LUMENS

PRODUCT AVAILIBILITY 80 CRI			
LUMEN PACKAGE	LUMENS	INPUT WATTS	LPW
VSY14-30XWHE	2119	18	121
VSY14-35XWHE	2172	18	124
VSY14-40XWHE	2208	18	126
VSY14-50XWHE	2129	18	121
VSY14-30VWHE	3121	25	124
VSY14-35VWHE	3197	25	127
VSY14-40VWHE	3252	25	129
VSY14-50VWHE	3252	25	129
VSY14-30MWHE	3705	29	127
VSY14-35MWHE	3797	29	131
VSY14-40MWHE	3861	29	133
VSY14-50MWHE	3861	29	133
VSY14-30WLHE	4250	33	128
VSY14-35LWHE	4355	33	131
VSY14-40LWHE	4429	33	133
VSY14-50LWHE	4429	33	133
VSY14-30MLHE	4728	36	130
VSY14-35MLHE	4844	36	134
VSY14-40MLHE	4927	36	136
VSY14-50MLHE	4927	36	136
VSY14-30HLHE	4987	38	130
VSY14-35HLHE	5109	38	133
VSY14-40HLHE	5196	38	135
VSY14-50HLHE	5196	38	135
VSY14-30VLHE	6516	49	134
VSY14-35VLHE	6672	49	137
VSY14-40VLHE	6788	49	139
VSY14-50VLHE	6788	49	139
VSY14-30XLHE	8249	61	135
VSY14-35XLHE	8455	61	139
VSY14-40XLHE	7943	61	131
VSY14-50XLHE	7943	61	131

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DIMENSIONS

GRID

Top view

11.75"
(298.5mm)

47.75"
(1212.9mm)

Side view

47.75"
(1212.9mm)

Front view

2"
(50.8mm)
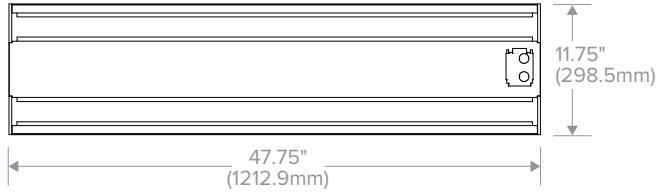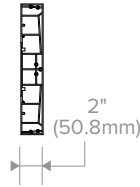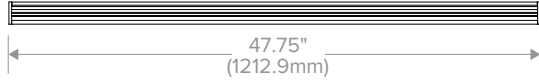
CEILING COMPATIBILITY

Type G
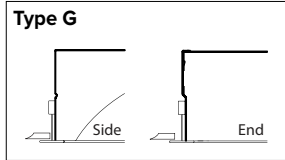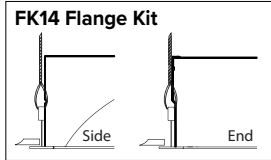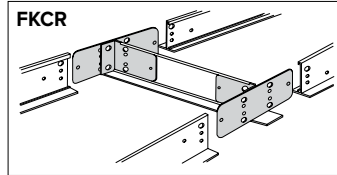
Side | End

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

FK14 Flange Kit

Side | End

For hard ceiling applications, order FK14 flange kit. Flange kit wires directly into concealed ceiling opening for a clean, finished appearance.

FKCR

For flanged fixtures in row configurations, the FKCR adapter bracket kit is required in addition to the FK14 kit. Order one less FKCR than the total number of fixtures in row. (Example: Row of two, order (2) FK14 & (1) FKCR)

Row cut out dimensions using FK14s & FKCR adapters:
Width 12⅜", Length [48" × (# in row)] + ⅜".
Example: (48" × 2) + 3/8" = 96⅜"

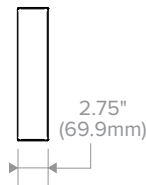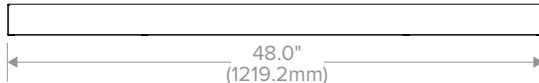**Flange kit cut out dimension for single unit only: 12⅜" × 48⅜"**

SURFACE MOUNT

Top view

12.0"
(304.8mm)

48.0"
(1219.2mm)

Side view

48.0"
(1219.2mm)

Front view

2.75"
(69.9mm)

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Columbia LIGHTING

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

VSY14
VERSIFY™ 1'X4' ARCHITECTURAL EDGE-LIT

PHOTOMETRY

VSY14-35LWHE-EDU

LUMINAIRE DATA

Test No.	19.00990
Description	Recessed Architectural Edge-Lit 1' x 4' LED with Acrylic Diffuser
Delivered Lumens	4355
Watts	33.29
Efficacy	131
Mounting	Recessed
Spacing Criterion	0° = 1.21 90° = 1.23

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0–30	1261	29.0
0–40	2042	46.9
0–60	3503	80.4
0–90	4355	100
0–180	4355	100

POLAR GRAPH

Horiz 0-180
0.0 ——— 45.0 ——— 90.0 ———
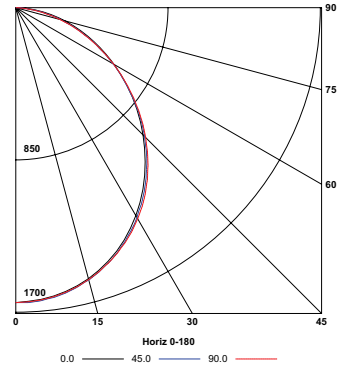
VSY14-35MLHE-EDU

LUMINAIRE DATA

Test No.	19.01134
Description	Recessed Architectural Edge-Lit 1' x 4' LED with Acrylic Diffuser
Delivered Lumens	4844
Watts	36.27
Efficacy	134
Mounting	Recessed
Spacing Criterion	0° = 1.21 90° = 1.23

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0–30	1403	29.0
0–40	2272	46.9
0–60	3897	80.4
0–90	4844	100
0–180	4844	100

POLAR GRAPH

Horiz 0-180
0.0 ——— 45.0 ——— 90.0 ———
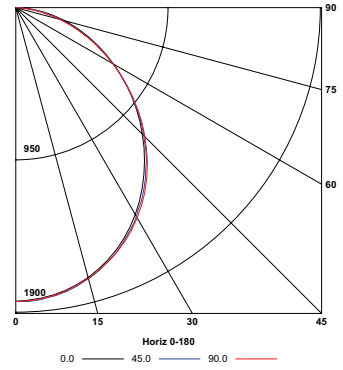
VSY14-35HLHE-EDU

LUMINAIRE DATA

Test No.	19.01010
Description	Recessed Architectural Edge-Lit 1' x 4' LED with Acrylic Diffuser
Delivered Lumens	5109
Watts	38.46
Efficacy	133
Mounting	Recessed
Spacing Criterion	0° = 1.21 90° = 1.23

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0–30	1481	29.0
0–40	2397	46.9
0–60	4111	80.5
0–90	5109	100
0–180	5109	100

POLAR GRAPH

Horiz 0-180
0.0 ——— 45.0 ——— 90.0 ———
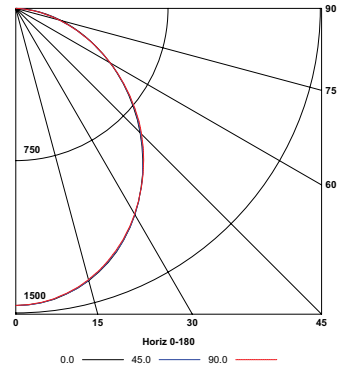
ADDITIONAL INFORMATION

DTS WIRING DIAGRAM (0–10V DIMMING DRIVER SHOWN)
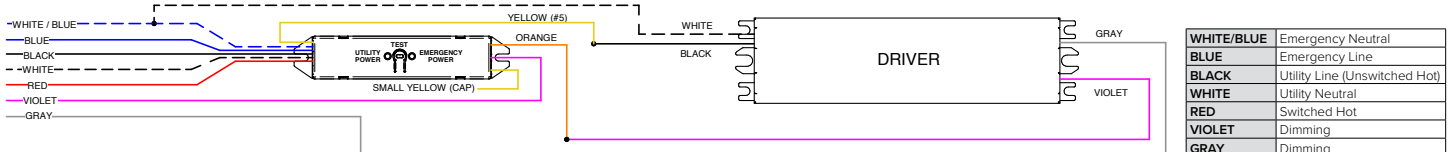
WHITE/BLUE	Emergency Neutral
BLUE	Emergency Line
BLACK	Utility Line (Unswitched Hot)
WHITE	Utility Neutral
RED	Switched Hot
VIOLET	Dimming
GRAY	Dimming

HUBBELL Lighting®

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