Columbia LIGHTING

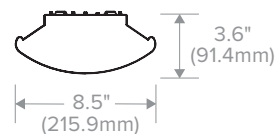| DATE: | LOCATION: |
| TYPE: | PROJECT: |
| CATALOG #: | |

RLW
REVALUME™ LINEAR WRAP

FEATURES

- Uninterrupted ribbon of light for single or row mount applications

- Optional integral emergency battery pack

- Decorative injection molded ABS material endcaps

- Modular replaceable LED boards and driver accessible for future maintenance or upgrades

- Surface mount, stem mount or cable mount

- DLC® (Design Lights Consortium) Qualified, with some Premium Qualified configurations - see www.designlights.org

DLC LISTED · DLC LISTED PREMIUM · C CSA US · Built to UL 924 Standards · BUY AMERICAN SOLUTIONS — See Certification Specifications

CONTROLS TECHNOLOGY

SpectraSync™ Color Tuning Technology · NX LIGHTING CONTROLS

3.6" (91.4mm)

8.5" (215.9mm)

END VIEW (ALL SIZES)

SPECIFICATIONS

CONSTRUCTION
- Housing, and wireway are formed from code-gauge steel

- Back of housing knockouts are provided for electrical access and mounting

- Decorative injection molded ABS material endcaps

SHIELDING
- Round frosted acrylic lens offers a smooth appearance and even light distribution

FINISH
- White painted parts are treated with a five-stage phosphate bonding process and finished with high reflectance baked enamel

ELECTRICAL
- Long-life LEDs are rated for 60,000 hours at L80 lumen maintenance

- Driver options include fixed output for on/off function, step dimming (high/low/off), or continuous 0–10V 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 two modes of tunable white solutions and integrates seamlessly into a variety of control systems

- NX Lighting Controls provides options for standalone and networked integrated sensor with wired or wireless connectivity for NX system deployments

CERTIFICATION
- All luminaires are built to UL 1598 and 2108 standards, and bear appropriate CSA labels.

- Damp location labeling is standard

- CSA certified to UL 924 standards with battery pack or DTS (Dimming Bypass Module) options

- Adheres to LM79, LM80, and TM21 industry standards

- The DTS, Dimming Bypass Module, is for emergency circuit control loads including sensors and wireless systems CSA certified to UL 924. See page 6 for wiring diagram.

CERTIFICATION (CONTINUED)
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 06/01/2020.

WARRANTY
- 5 year warranty

KEY DATA	
Lumen Range	1612-14474
Wattage Range	11-94
Efficacy Range (LPW)	144-164
Reported Life (Hours)	L80/60,000

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COL_RLW_SPEC_R08

Columbia LIGHTING

DATE:	LOCATION:
TYPE:	PROJECT:
	CATALOG #:

RLW
REVALUME™ LINEAR WRAP

ORDERING GUIDE

Example: RLW4-40ML-FAW-EDU

CATALOG #

RLW		–	Color Temp		Nominal Lumens [2]	–	FA	W	–
Model	**Size**						**Shielding**	**Distribution**	

| **RLW** Revalume™ Linear Wrap | **2** 2'
4 4'
8 8' | **30** 3000K
35 3500K
40 4000K
50 5000K
2765T 2700K–6500K SpectraSync™ Tunable White[1] | **XW** 4' (2700), 8' (5400)[3]
VW 2' (1600), 4' (3400), 8' (6800)[3]
MW 2' (2200), 4' (3800), 8' (7700)[3]
LW 2' (2600), 4' (4200), 8' (8500)[3]
ML 2' (3400), 4' (5300), 8' (9800)[3]
HL 2' (3800), 4' (6000), 8' (11,800)[4]
VL 2' (4500), 4' (7800), 8' (14,200)[4] | **FA** Frosted Acrylic | **W** Wide |

		–		
Driver		**Voltage**	**Options**	**Control Options** [24]

Driver

E	Fixed Output
ED	0-10V Dimming
ED1	0-10V 1% Dimming
EDD	0-10V Dim-to-Off
ESD	Step Dimming
LUTH	Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology [5]
DALIP	Powered by DALI [5]

Voltage

U	120–277V
347	347V

Options

ELL14	Emergency Battery Pack, 1400 Lumens [5, 6, 24]
GTD	Generator Transfer Device [5, 7]
DTS	Dimming Bypass Module [5, 8]
GLR	Fast Blow Fuse
INT	Intermediate (provides ends with wiring access for continuous row mounting) [9, 10, 11, 12, 13]
EOR	End of Row (provides end wiring access for continuous row mounting) [9, 10, 11, 12, 13]
MST	MASTER fixture that controls one or more SATELLITE fixtures in a continuous row application [10, 11, 12, 14, 15, 16, 17]
SAT	SATELLITE fixture controlled by MASTER fixture in a continuous row application [10, 11, 12, 15, 16, 17]

Control Options [24]

BTSMP Standalone

BTSO12F	Bluetooth® Programmable, BTSMP-OMNI PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens

NX Connect Wireless

NXCS	NX Connect NXC-WIZ20 Wireless Indoor Occupancy & Photocell Sensor [19, 22, 23]

NX Wireless

NXWOM	NX Networked Wireless Enabled Integral NXSMP2-OMNI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming [18]

Third-Party Control Options

LVR	Lutron Vive Integral Fixture Control DFCSJ-OEM-RF (RF only) [19, 20, 21]
LVS	Lutron Vive Integral Fixture Control DFCSJ-OEM-OCC (RF with daylight and occupancy sensing) [19, 20, 21]
ODPG	Occupancy and Daylight Sensors w/ Grouping, Philips SNS200 [19, 21]

Accessories (Order Separately)

RLWWG2	2' Wire Guard
RLWWG4	4' Wire Guard
S18	18" Stem, Canopy
SS18	18" Swivel Stem–45˚Swivel
CM24SCF3-KIT	24" Adjustable Cable Mounting Kit, 3-wire feed
CM48SCF3-KIT	48" Adjustable Cable Mounting Kit, 3-wire feed

Notes:

1. Only available with ED driver
2. Nominal Lumens. Refer to performance tables for exact values and available lumen outputs for fixture size
3. RLW4' & RLW8' lumen packages XW - ML qualified up to 40℃
4. RLW4' & RLW8' lumen packages HL & VL qualified up to 35℃
5. Not available with 347V
6. For compatibility with Dual-Lite LiteGear® inverters in lieu of installed battery pack, contact Lighting representative. Not available with 2'
7. Available for universal voltage and fixed output driver options only
8. For emergency circuit control loads including sensors and wireless systems CSA certified to UL 924. Only available with 0-10V drivers. Universal voltage only. See page 6 for wiring diagram
9. Suspension support required at every fixture coupling; see Mounting Accessories Guide
10. Not available with DTS, GTD or ATSD
11. All fixtures in a row must be the same driver type and voltage
12. Includes quick-connect wiring harness
13. A row-connector kit will be included with each fixture when EOR or INT is selected
14. MST option not available with INT row position
15. Multiple SAT fixtures can be controlled by one MST fixture. Any one SAT fixture can have no more than one connected MST fixture
16. NX is supported for this application, consult Brand for use with other controls systems
17. Not available with LUTH

NX In-Fixture Control Options:

18. Only available with ED and ED1 drivers. Universal voltage only

Third-Party Control Options:

19. Only available with DALIP driver option
20. VIVE is a trademark of Lutron Electronics Co., Inc
21. Not available with SpectraSync (2765T)

NX Connect Wireless

22. NX Connect devices can be configured using the NX Connect Mobile App, available on Apple App Store
23. NX Connect devices are not compatible with NX Wireless and NX Wired Options

All Controls

24. Minimum ambient temperature: 0℃ (32℉)

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RLW
REVALUME™ LINEAR WRAP

DELIVERED LUMENS

FIXTURE	COLOR (K)	LUMENS	WATTS	LPW
RLW2-VW	3000K	1612	11.2	144
	3500K	1640	11.2	146
	4000K	1668	11.2	149
	5000K	1668	11.2	149
RLW2-MW	3000K	2213	15.0	148
	3500K	2251	15.0	150
	4000K	2289	15.0	153
	5000K	2289	15.0	153
RLW2-LW	3000K	2616	17.5	149
	3500K	2661	17.5	152
	4000K	2706	17.5	154
	5000K	2706	17.5	154
RLW2-ML	3000K	3396	23.0	148
	3500K	3454	23.0	150
	4000K	3513	23.0	153
	5000K	3513	23.0	153
RLW2-HL	3000K	3773	25.5	148
	3500K	3838	25.5	150
	4000K	3903	25.5	153
	5000K	3903	25.5	153
RLW2-VL	3000K	4469	30.5	147
	3500K	4546	30.5	149
	4000K	4623	30.5	152
	5000K	4623	30.5	152
RLW4-XW	3000K	2714	17.9	152
	3500K	2761	17.9	154
	4000K	2808	17.9	157
	5000K	2808	17.9	157
RLW4-VW	3000K	3408	22.2	154
	3500K	3467	22.2	156
	4000K	3526	22.2	159
	5000K	3526	22.2	159
RLW4-MW	3000K	3789	24.6	154
	3500K	3854	24.6	157
	4000K	3920	24.6	159
	5000K	3920	24.6	159
RLW4-LW	3000K	4166	26.9	155
	3500K	4238	26.9	157
	4000K	4310	26.9	160
	5000K	4310	26.9	160

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RLW
REVALUME™ LINEAR WRAP

DELIVERED LUMENS

FIXTURE	COLOR (K)	LUMENS	WATTS	LPW
RLW4-ML	3000K	5275	33.7	156
	3500K	5366	33.7	159
	4000K	5457	33.7	162
	5000K	5457	33.7	162
RLW4-HL	3000K	5960	38.3	156
	3500K	6062	38.3	158
	4000K	6165	38.3	161
	5000K	6165	38.3	161
RLW4-VL	3000K	7865	50.9	155
	3500K	7732	50.9	152
	4000K	7999	50.9	157
	5000K	7999	50.9	157
RLW8-XW	3000K	5340	33.6	159
	3500K	5432	33.6	161
	4000K	5524	33.6	164
	5000K	5524	33.6	164
RLW8-VW	3000K	6745	42.4	159
	3500K	6861	42.4	162
	4000K	6977	42.4	164
	5000K	6977	42.4	164
RLW8-MW	3000K	7635	48.3	158
	3500K	7767	48.3	161
	4000K	7899	48.3	164
	5000K	7899	48.3	164
RLW8-LW	3000K	8402	53.3	158
	3500K	8546	53.3	160
	4000K	8691	53.3	163
	5000K	8691	53.3	163
RLW8-ML	3000K	9686	61.7	157
	3500K	9853	61.7	160
	4000K	10021	61.7	162
	5000K	10021	61.7	162
RLW8-HL	3000K	11646	75.4	154
	3500K	11847	75.4	157
	4000K	12048	75.4	160
	5000K	12048	75.4	160
RLW8-VL	3000K	13991	93.8	149
	3500K	14232	93.8	152
	4000K	14474	93.8	154
	5000K	14474	93.8	154

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DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

NX LIGHTING CONTROLS

NX LIGHTING CONTROLS

			Control Option Functionality								Control Option Components	
Control Option Ordering Logic & Description			Networkable	Grouping	Scheduling	Occupancy/Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth App Programming	**Control Option Components**	
NX Wireless	NXWOM	NX Networked Wireless Enabled Integral NXSMP2-OMNI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth® Programming	✓	✓	✓	✓	✓	✓	✓	✓		NXSMP2-OMNI
Standalone	BTSO12F	Bluetooth Programmable, BTSMP-OMNI PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens	–	–	–	✓	✓	✓	✓	✓		BTSMP-OMNI
NX Independent	NXCS	NX Connect NXC-WIZ20 Wireless Indoor Occupancy and Photocell Sensor	–	✓	–	✓	✓	✓	✓	✓₁		NXC-WIZ20

1 Requires use of NX Connect App available for download from Apple app store.

DEFAULT SETTINGS

NX Independent - NX Connect		
	Settling/Dwell Time	5 sec
	Hold Time	10 min
	Group Hold Time	10 min
	Grace Time	-
	Strategy	Auto ON/OFF
	Occupancy Sensitivity	5 (highest)
	Occupancy Indicator	ON
	Partial Off/Standby	0%
	Background Level	50%
	Task Level	100%
	Daylight Harvesting	-
	Low Ambient Output	250%
	High Ambient Output	OFF

CONTROLS TECHNICAL SUPPORT

1-800-888-8006 (7:00 am–7:00 pm est)

APP INFORMATION

NX Lighting Controls App

The NX Lighting Controls App is a free to use mobile application for programming both an NX Lighting Controls System or Standalone Bluetooth Sensors. The mobile app allows you to configure devices, discover and setup wireless enabled luminaires and program your NX system settings.

Android   Apple iOS
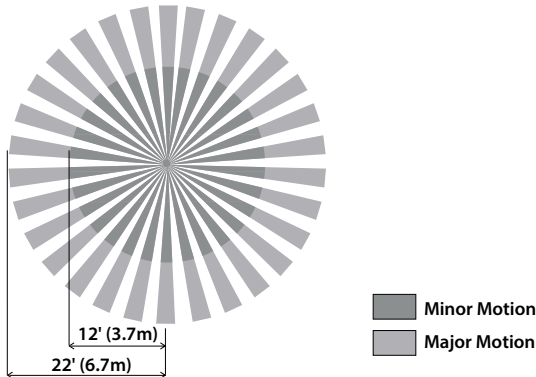
NX Connect App

The NX Connect mobile App is a free to use mobile application for programming a NX Connect System. The mobile App allows you to discover, configure and share your NX Connect system.
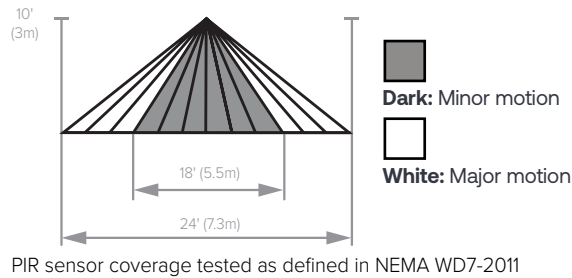
Apple iOS

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COVERAGE PATTERNS

NXWOM (NXSMP2-OMNI)

Minor Motion
Major Motion

12' (3.7m)
22' (6.7m)

NXCS (NXC-WIZ20 SENSOR)

10'
(3m)

18' (5.5m)
24' (7.3m)

Dark: Minor motion
White: Major motion

PIR sensor coverage tested as defined in NEMA WD7-2011

OTHER LIGHTING CONTROLS

			Control Option Functionality								Control Option Components	
	Control Option Ordering Logic & Description		Networkable	Grouping	Scheduling	Occupancy/ Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth App Programming		
Other	ODPG	Occupancy sensing, daylight harvesting and task tuning in one device.[1]	–	✓	–	✓	✓	✓	✓	✓[3]		SNS200
	LVR	The Vive integral fixture control is a radio frequency (RF) device that controls either Lutron EcoSystem or DALI drivers based on RF input from Pico remote controls, Radio Powr Savr wireless sensors, or Vive hubs.[2]	✓	✓	✓	–	–	–	✓	–		DFCSJ-OEM-RF
	LVS		✓	✓	✓	✓	✓	–	✓	–		DFCSJ-OEM-OCC

1 Philips MasterConnect App required for field configuration.
2 Lutron Vive Hub required to enable Networking, Grouping and Scheduling.

Philips EasySense Controls (ODPG option) & Accessories:

- 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]
- 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 Requires android device or IR dongle.

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RLW
REVALUME™ LINEAR WRAP

DATE:	LOCATION:
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CONTROLS

**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.
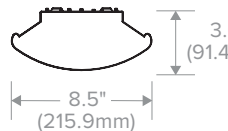
SpectraSync
Color Tuning Technology

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

DIMENSIONS

FIXTURE HEIGHT (ALL SIZES)

3.6"
(91.4mm)

END VIEW (ALL SIZES)

3.
(91.4

8.5"
(215.9mm)
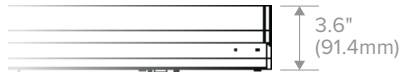
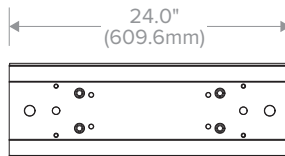**KOs (ALL SIZES)**
- 0.25" (¼") KOs are for CM (Cable Mount) Kits
- 0.875" (⅞") KOs are for wiring and stem mounting

2' SINGLE ASSEMBLY
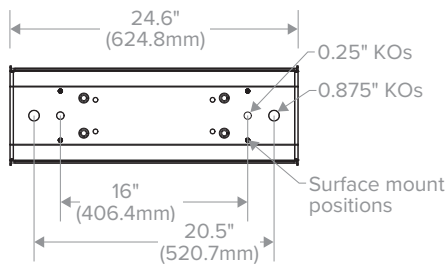
24.6"
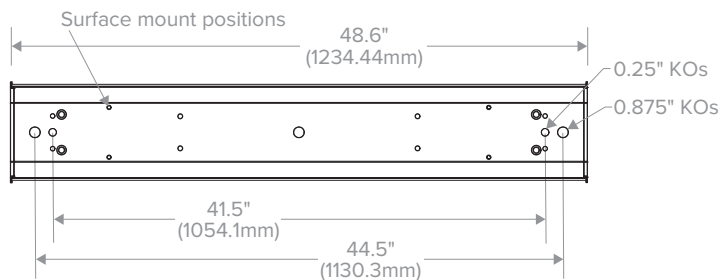(624.8mm)
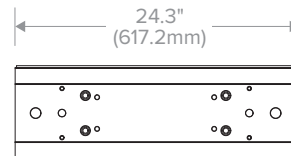
0.25" KOs
0.875" KOs

16"
(406.4mm)

Surface mount positions

20.5"
(520.7mm)

2' INTERMEDIATE ASSEMBLY

24.0"
(609.6mm)

2' END OF ROW ASSEMBLY

24.3"
(617.2mm)

4' SINGLE ASSEMBLY

Surface mount positions

48.6"
(1234.44mm)

0.25" KOs
0.875" KOs

41.5"
(1054.1mm)

44.5"
(1130.3mm)

4' INTERMEDIATE ASSEMBLY

48.0"
(1219.2mm)

4' END OF ROW ASSEMBLY

48.3"
(1226.82mm)

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8' SINGLE ASSEMBLY

96.6"
(2453.6mm)

71"
(1803.4mm)

0.25" KOs

0.875" KOs

1.5"
(38.1mm)

Surface mount positions

92.5"
(2349.5mm)

8' INTERMEDIATE ASSEMBLY

96.0"
(2438.4mm)

8' END OF ROW ASSEMBLY

96.5"
(2451.1mm)
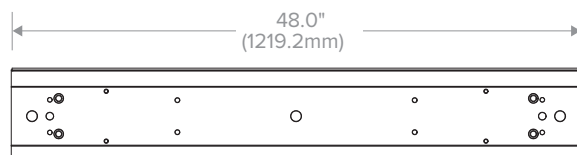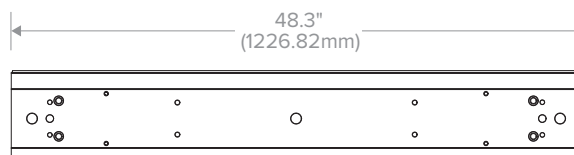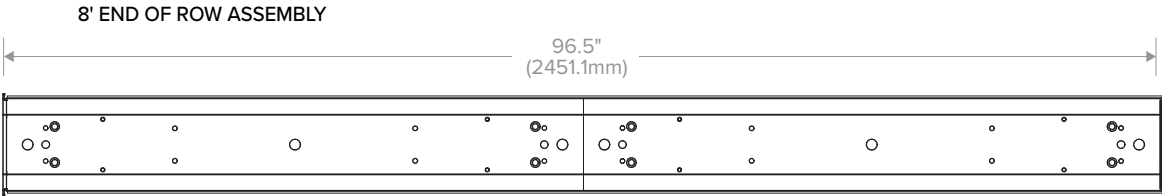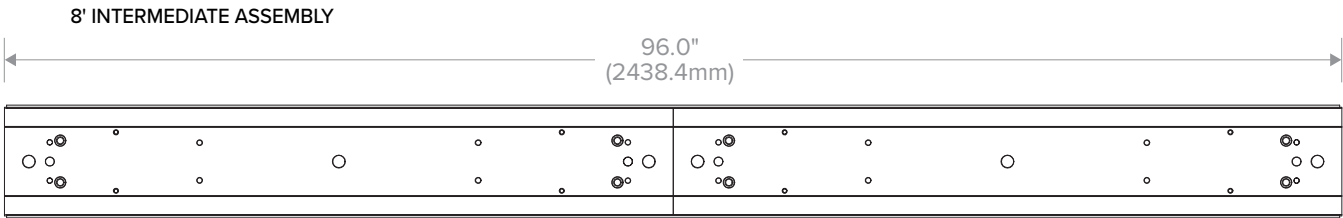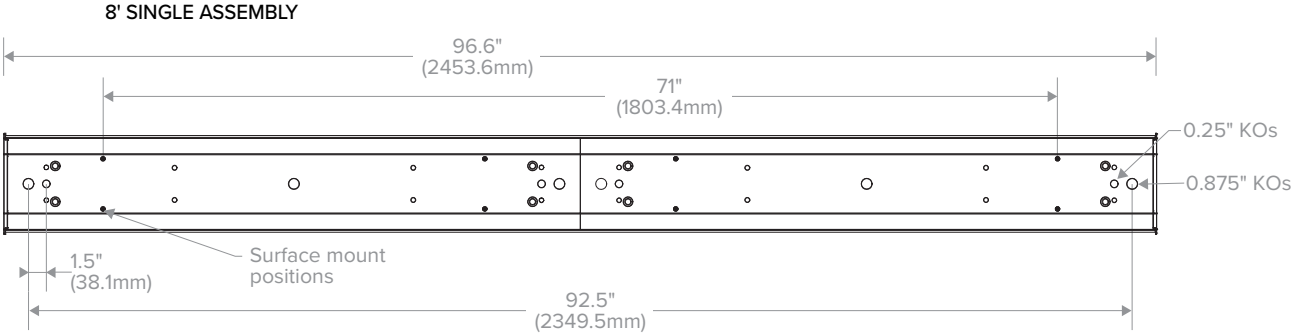
ADDITIONAL INFORMATION

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

WHITE / BLUE
BLUE
BLACK
WHITE
RED
VIOLET
PINK

YELLOW (#5)
ORANGE

TEST
UTILITY POWER   EMERGENCY POWER

SMALL YELLOW (CAP)

WHITE
BLACK

DRIVER

PINK

VIOLET

WHITE/BLUE	Emergency Neutral
BLUE	Emergency Line
BLACK	Utility Line (Unswitched Hot)
WHITE	Utility Neutral
RED	Switched Hot
VIOLET	Dimming
PINK	Dimming

COL_RLW_SPEC_R08

RLW
REVALUME™ LINEAR WRAP
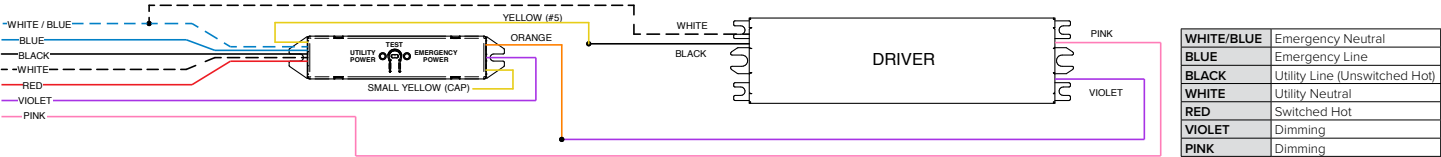
PHOTOMETRY

RLW4-30XW-FAW-EDU

LUMINAIRE DATA

Test No.	18.01231
Description	Revalume Linear Surface, Wraps 8.5" x 48" with frosted acrylic refractor
Delivered Lumens	2502
Watts	19.5
Efficacy	128
Mounting	Surface
Spacing Criterion	0º = 1.21 90º = 1.25

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	646	25.8	25.8
0-40	1051	42.0	42.0
0-60	1841	73.6	73.6
0-90	2431	97.1	97.1
0-180	2502	100.0	100.0

POLAR GRAPH

Horiz 0-180

0.0 ——— 45.0 ——— 90.0 ———
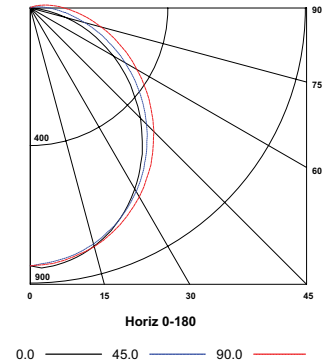
RLW4-35VW-FAW-EDU

LUMINAIRE DATA

Test No.	18.01221
Description	Revalume Linear Surface, Wraps 8.5" x 48" with frosted acrylic refractor
Delivered Lumens	3234
Watts	40.4
Efficacy	128
Mounting	Surface
Spacing Criterion	0º = 1.21 90º = 1.25

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	1263	25.8	25.8
0-40	2056	42.0	42.0
0-60	3607	73.6	73.6
0-90	4755	97.0	97.0
0-180	4901	100.0	100.0

POLAR GRAPH

Horiz 0-180

0.0 ——— 45.0 ——— 90.0 ———
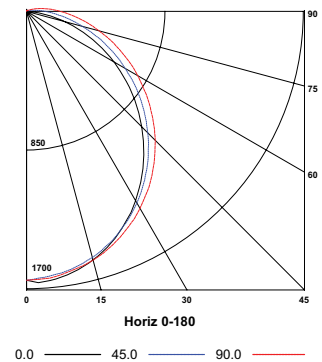
RLW4-50VL-FAW-EDU

LUMINAIRE DATA

Test No.	18.01234
Description	Revalume Linear Surface, Wraps 8.5" x 48" with frosted acrylic refractor
Delivered Lumens	7476
Watts	55.7
Efficacy	134
Mounting	Surface
Spacing Criterion	0º = 1.21 90º = 1.25

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	1914	25.6	25.6
0-40	3118	41.7	41.7
0-60	5479	73.3	73.3
0-90	7241	96.9	96.9
0-180	7476	100.0	100.0

POLAR GRAPH

Horiz 0-180

0.0 ——— 45.0 ——— 90.0 ———