Columbia LIGHTING

RLW
REVALUME™ LINEAR WRAP

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

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
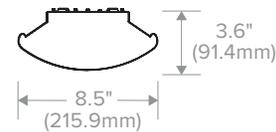
KEY DATA	
Lumen Range	1513–14711
Wattage Range	12–112
Efficacy Range (LPW)	115–144
Reported Life (Hours)	L80/60,000

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ORDERING GUIDE

Example: RLW4-40ML-FAW-EDU

CATALOG #

| RLW | | — | | — | FA | W | — |

Model	Size		Color Temp		Nominal Lumens [2]		Shielding	Distribution
RLW Revalume™ Linear Wrap	2 2' 4 4' 8 8'		30	3000K	XW	4' (2700), 8' (5400) [3]	FA Frosted Acrylic	W Wide
			35	3500K	VW	2' (1600), 4' (3400), 8' (6800) [3]		
			40	4000K	MW	2' (2200), 4' (3800), 8' (7700) [3]		
			50	5000K	LW	2' (2600), 4' (4200), 8' (8500) [3]		
			2750T	2700K–5000K SpectraSync™ Tunable White [1]	ML	2' (3400), 4' (5300), 8' (9800) [3]		
			2765T	2700K–6500K SpectraSync™ Tunable White [1]	HL	2' (3800), 4' (6000), 8' (11,800) [4]		
					VL	2' (4500), 4' (7800), 8' (14,200) [4]		

Driver		Voltage		—	Options		Control Options [24]	
E	Fixed Output	U	120–277V		ELL14	Emergency Battery Pack, 1400 Lumens [6, 24]	**BTSMP Standalone**	
ED	0-10V Dimming	347	347V		GTD	Generator Transfer Device [7]	BTSO12F	Bluetooth® Programmable, BTSMP-OMNI PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens
ED1	0-10V 1% Dimming				DTS	Dimming Bypass Module [8]	**NX Connect Wireless**	
EDD	0-10V Dim-to-Off				GLR	Fast Blow Fuse	NXCS	NX Connect NXC-WIZ20 Wireless Indoor Occupancy & Photocell Sensor [22, 23]
ESD	Step Dimming				INT	Intermediate (provides ends with wiring access for continuous row mounting) [9, 10, 11, 12, 13]	**NX Wireless**	
LUTH	Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology				EOR	End of Row (provides end wiring access for continuous row mounting) [10, 11, 12, 13]	NXWOM	NX Networked Wireless Enabled Integral NXSMP2-OMNI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming [18]
DALIP	DALI Power Bus [5]				MST	MASTER fixture that controls one or more SATELLITE fixtures in a continuous row application [10, 11, 12, 14, 15, 16, 17,]	**Third-Party Control Options**	
					SAT	SATELLITE fixture controlled by MASTER fixture in a continuous row application [10, 11, 12, 15, 16, 17, 18]	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°C
4. RLW4' & RLW8' lumen packages HL & VL qualified up to 35°C
5. DALIP only available when LVS, LVR or ODPG control options are selected
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. LVS, LVR and ODPG only available with DALIP driver option
20. VIVE is a trademark of Lutron Electronics Co., Inc
21. Not available with SpectraSync (2750T or 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°C (32°F)

CURRENT ⊙

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RLW
REVALUME™ LINEAR WRAP

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

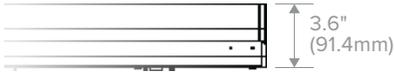| SPECTRASYNC COLOR TUNING TECHNOLOGY		
Mode	**Kelvin Range**	**Description**
Tunable White	2700K-5000K 2700K-6500K	Offers users the ability to tailor CCT to their personal preference, enhancing task visibility, material and colors or the aesthetics of the space

COL_RLW_SPEC_R06

Current

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DATE:	LOCATION:
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DELIVERED LUMENS

FIXTURE	COLOR	LUMENS	WATTS	LPW
RLW2-VW	3000K	1513	11.6	130
	3500K	1541	11.6	133
	4000K	1559	11.6	134
	5000K	1612	11.6	139
RLW2-MW	3000K	2020	16.3	124
	3500K	2057	16.3	126
	4000K	2082	16.3	128
	5000K	2152	16.3	132
RLW2-LW	3000K	2553	22.1	116
	3500K	2600	22.1	118
	4000K	2631	22.1	119
	5000K	2720	22.1	123
RLW2-ML	3000K	3297	26.6	124
	3500K	3357	26.6	126
	4000K	3397	26.6	128
	5000K	3511	26.6	132
RLW2-HL	3000K	3594	29.5	122
	3500K	3660	29.5	124
	4000K	3704	29.5	126
	5000K	3828	29.5	130
RLW2-VL	3000K	4354	37.2	117
	3500K	4434	37.2	119
	4000K	4487	37.2	121
	5000K	4638	37.2	125
RLW4-XW	3000K	2711	19.5	140
	3500K	2673	19.4	138
	4000K	2705	19.4	139
	5000K	2755	19.4	142
RLW4-VW	3000K	3275	25.2	130
	3500K	3335	25.2	132
	4000K	3375	25.2	134
	5000K	3488	25.2	138
RLW4-MW	3000K	3854	28.8	134
	3500K	3925	28.8	136
	4000K	3972	28.8	138
	5000K	4106	28.8	143
RLW4-LW	3000K	4174	33.9	123
	3500K	4251	33.9	125
	4000K	4302	33.9	127
	5000K	4447	33.9	131
RLW4-ML	3000K	5128	40.4	127
	3500K	5222	40.4	129
	4000K	5285	40.4	131
	5000K	5462	40.4	135

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Page **4** of **8**
Rev 06/29/23
COL_RLW_SPEC_R06

RLW
REVALUME™ LINEAR WRAP

DELIVERED LUMENS

FIXTURE	COLOR	LUMENS	WATTS	LPW
RLW4-HL	3000K	5553	48.1	115
	3500K	5655	48.1	118
	4000K	5723	48.1	119
	5000K	5915	48.1	123
RLW4-VL	3000K	7510	55.9	135
	3500K	7645	55.9	137
	4000K	7767	55.9	139
	5000K	8024	55.7	144
RLW8-XW	3000K	4989	39	128
	3500K	5080	38.8	131
	4000K	5141	38.8	132
	5000K	5314	38.8	137
RLW8-VW	3000K	6397	50.4	127
	3500K	6514	50.4	129
	4000K	6592	50.4	131
	5000K	6814	50.4	135
RLW8-MW	3000K	7157	57.6	124
	3500K	7288	57.6	127
	4000K	7375	57.6	128
	5000K	7623	57.6	132
RLW8-LW	3000K	8349	67.8	123
	3500K	8502	67.8	125
	4000K	8604	67.8	127
	5000K	8893	67.8	131
RLW8-ML	3000K	9525	80.8	118
	3500K	9700	80.8	120
	4000K	9816	80.8	121
	5000K	10146	80.8	126
RLW8-HL	3000K	11106	96.2	115
	3500K	11310	96.2	118
	4000K	11446	96.2	119
	5000K	11830	96.2	123
RLW8-VL	3000K	13811	111.8	124
	3500K	14064	111.8	126
	4000K	14233	111.8	127
	5000K	14711	111.4	132

DATE:	LOCATION:
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DIMENSIONS

FIXTURE HEIGHT (ALL SIZES)

3.6"
(91.4mm)

END VIEW (ALL SIZES)

3.6"
(91.4)

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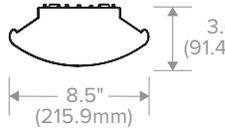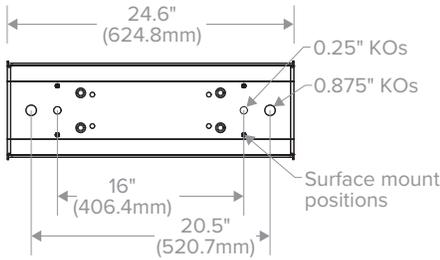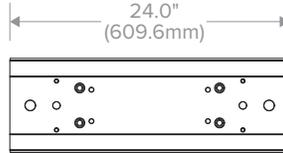
KOs (ALL SIZES)
- 0.25" (¼") KOs are for CM (Cable Mount) Kits
- 0.875" (⅞") KOs are for wiring and stem mounting

2' SINGLE ASSEMBLY

24.6"
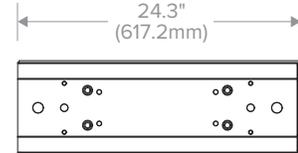(624.8mm)

0.25" KOs
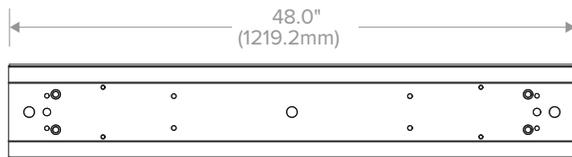0.875" KOs
Surface mount positions

16"
(406.4mm)

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)

COL_RLW_SPEC_R06

Columbia LIGHTING

DATE:	LOCATION:
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RLW
REVALUME™ LINEAR WRAP

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)
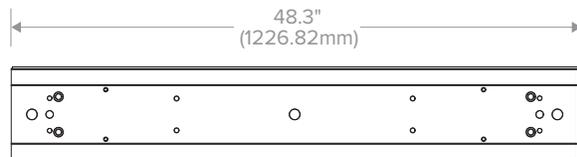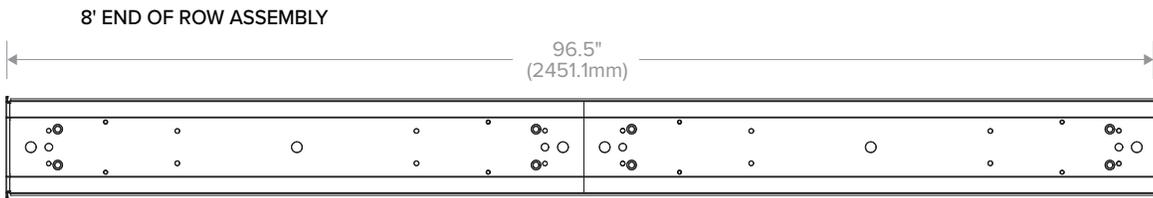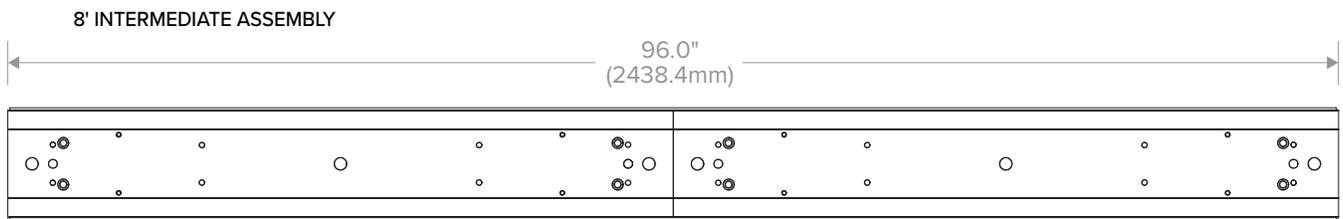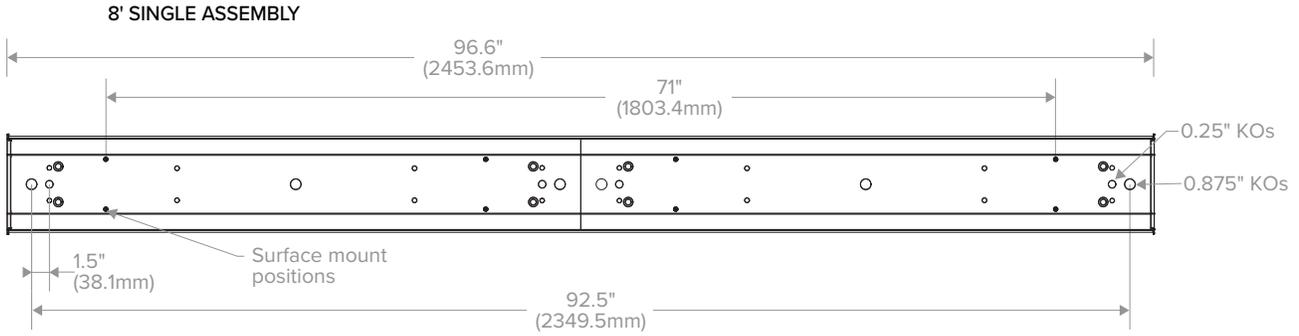
ADDITIONAL INFORMATION

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

DATE:	LOCATION:
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RLW
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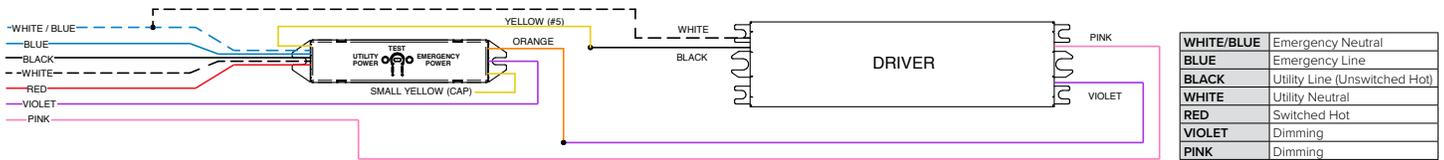
PHOTOMETRY

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 ———
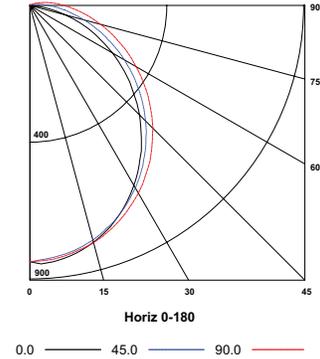
RLW4-35VW-FAW-EDU

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 ———
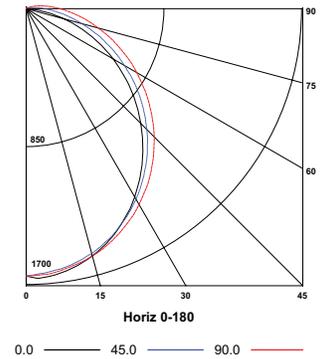
RLW4-50VL-FAW-EDU

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 ———

COL_RLW_SPEC_R06