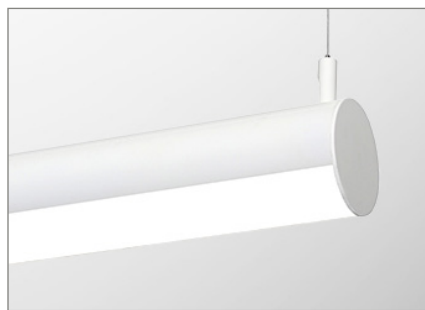


RONDO4

Up, Down, and Up and Down

Project Name:	
Type:	



APPLICATION

The RONDO is a featured Architectural Linear fixture. Housing is formed by extruded aluminum with a highly reflective die-formed white painted steel reflector. The click-in acrylic lens has a matte finish and a diffuser which is removable for maintenance. It is used for multiple applications such as commercial, general office, banking, retail and educational environments.

MOUNTING:

- Pendant.

LED:

- High quality array LEDs.
- LM80
- Color Temperature: 2700/3000/3500/4000/5000 (K)
- Color Rendering Index: > 80 (optional >90).
- Nominal Lamp Life: 100,000 hours.
- Reported L70 hours: +60,000 (55°C).

LISTING:

- UL / CUL listed.
- UL listed for dry & damp location.
- Assembled in USA (optional).
- BAA compliant (optional).
- 5 years limited warranty.
- 7 or 10 years limited warranty. (optional) ⁶
- Bluetooth Mesh System available, please contact factory for more information.

ELECTRICAL:

- High power factor electronic driver, operate from a 120 ~ 277 Vac input range, 50 / 60 Hz.
- Features included over voltage protection, surge, short circuit protection and over load protection.
- Power Factor: typical > 0.95, THD <20, meets Class1 or Class 2 circuit.
- 0-10V dimmable driver as standard.
- 0-10VDC dimming 1%~100%.
- Operating temperature: -4°F (-20°C) ~ 122°F (50°C).

FINISH:

- Standard powder-coat textured white painted finish on exposed trim, consult factory for custom colors.
- Comes with snap-in acrylic lens as standard.

CONFIGURATIONS

Series	Size	Model #	AC Input	Lumen Output (Down)		Lumen Efficiency	
RONDO4	2'	18L	9.9W	1198.9 lm (100%)	1198.9 lm	121.1 lm/W	
		27L	14.85W	1798.3 lm (100%)	1798.3 lm	121.1 lm/W	
		36L	19.8W	2397.8 lm (100%)	2397.8 lm	121.1 lm/W	
		48L	26.4W	3197 lm (100%)	3197 lm	121.1 lm/W	
	54L	29.7W	3596.6 lm (100%)	3596.6 lm	121.1 lm/W		
	3'	18L	14.85W	1798.3 lm (100%)	1798.3 lm	121.1 lm/W	
		27L	22.27W	2697.9 lm (100%)	2697.9 lm	121.1 lm/W	
		36L	29.7W	3596.6 lm (100%)	3596.6 lm	121.1 lm/W	
		48L	39.6W	4795.5 lm (100%)	4795.5 lm	121.1 lm/W	
	4'	54L	44.55W	5395 lm (100%)	5395 lm	121.1 lm/W	
		18L	19.8W	2397.8 lm (100%)	2397.8 lm	121.1 lm/W	
		27L	29.7W	3596.6 lm (100%)	3596.6 lm	121.1 lm/W	
		36L	39.6W	4795.5 lm (100%)	4795.5 lm	121.1 lm/W	
	4'	48L	52.8W	6394 lm (100%)	6394 lm	121.1 lm/W	
		54L	59.4W	7193.3 lm (100%)	7193.3 lm	121.1 lm/W	
		8'	18L	39.6W	4795.5 lm (100%)	4795.5 lm	121.1 lm/W
			27L	59.4W	7193.3 lm (100%)	7193.3 lm	121.1 lm/W
	36L		79.2W	9591.1 lm (100%)	9591.1 lm	121.1 lm/W	
	48L		105.6W	12788 lm (100%)	12788 lm	121.1 lm/W	
	54L	118.8W	14386.6 lm (100%)	14386.6 lm	121.1 lm/W		

Size	Model #	AC Input	Lumen Output (Down / Up)		Lumen Efficiency	
2'	18L/18L	19.8W	1066.57 lm (46.8%) / 1212.43 lm (53.2%)	2279 lm	115.1 lm/W	
	27L/27L	29.7W	1600 lm (46.8%) / 1818.5 lm (53.2%)	3418.5 lm	115.1 lm/W	
	36L/18L	29.7W	1971.45 lm (60.4%) / 1292.55 lm (39.6%)	3264 lm	109.9 lm/W	
	48L/18L	36.3W	2274.72 lm (66.7%) / 1385.28 lm (33.3%)	4160 lm	114.6 lm/W	
	48L/27L	41.25W	2616.5 lm (60.7%) / 1694.1 lm (39.3%)	4310.6 lm	104.5 lm/W	
	54L/18L	39.6W	2977.2 lm (71.4%) / 1192.6 lm (28.6%)	4169.8 lm	105.3 lm/W	
	54L/27L	44.55W	2957.2 lm (60.4%) / 1938.8 lm (39.6%)	4896 lm	109.9 lm/W	
	3'	18L/18L	29.7W	1600 lm (46.8%) / 1818.5 lm (53.2%)	3418.5 lm	115.1 lm/W
		27L/27L	44.55W	2399.7 lm (46.8%) / 2728 lm (53.2%)	5127.7 lm	115.1 lm/W
		36L/18L	44.55W	2957.2 lm (60.4%) / 1938.8 lm (39.6%)	4896 lm	109.9 lm/W
48L/18L		54.45W	4162 lm (66.7%) / 2078 lm (33.3%)	6240 lm	114.6 lm/W	
48L/27L		61.8W	3920 lm (60.7%) / 2538.1 lm (39.3%)	6458.1 lm	104.5 lm/W	
54L/18L		59.4W	4465.9 lm (71.4%) / 1788.9 lm (28.6%)	6254.8 lm	105.3 lm/W	
54L/27L		66.82W	4435.4 lm (60.4%) / 2908.1 lm (39.6%)	7343.5 lm	109.9 lm/W	
4'		18L/18L	39.6W	2133.1 lm (46.8%) / 2424.8 lm (53.2%)	4557.9 lm	115.1 lm/W
		27L/27L	59.4W	3210.8 lm (46.8%) / 3649.9 lm (53.2%)	6860.7 lm	115.1 lm/W
		36L/18L	59.4W	3942.9 lm (60.4%) / 2585.1 lm (39.6%)	6528 lm	109.9 lm/W
	48L/18L	72.6W	5549.4 lm (66.7%) / 2770.6 lm (33.3%)	8320 lm	114.6 lm/W	
	48L/27L	82.5W	5233 lm (60.7%) / 3388.2 lm (39.3%)	8621.2 lm	104.5 lm/W	
	54L/18L	79.2W	5954.5 lm (71.4%) / 2385.2 lm (28.6%)	8339.7 lm	105.3 lm/W	
	54L/27L	89.1W	5914.4 lm (60.4%) / 3877.7 lm (39.6%)	9792.1 lm	109.9 lm/W	
	8'	18L/18L	79.2W	4266.2 lm (46.8%) / 4849.7 lm (53.2%)	9115.9 lm	115.1 lm/W
		27L/27L	118.8W	6399.3 lm (46.8%) / 7274.5 lm (53.2%)	13673.8 lm	115.1 lm/W
		36L/18L	118.8W	7885.8 lm (60.4%) / 5170.3 lm (39.6%)	13056.1 lm	109.9 lm/W
48L/18L		145.2W	11098.8 lm (66.7%) / 5541.2 lm (33.3%)	16640 lm	114.6 lm/W	
48L/27L		165W	10466.2 lm (60.7%) / 6776.3 lm (39.3%)	17242.5 lm	104.5 lm/W	
54L/18L		158.4W	11909.1 lm (71.4%) / 4770.4 lm (28.6%)	16679.5 lm	105.3 lm/W	
54L/27L		178.2W	11828.8 lm (60.4%) / 7755.3 lm (39.6%)	19584.1 lm	109.9 lm/W	

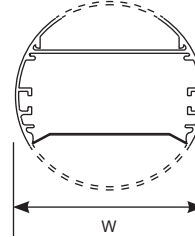
CCT	Multiplier		
	3000K	3500K	5000K
Down only	0.9642	0.9822	1.0357
Up&Down	0.971	0.9856	1.029

RONDO4

Up, Down, and Up and Down

WEIGHT

Item	lbs	kg
RONDO4-2 (Down)	6.47	2.93
RONDO4-3 (Down)	8.10	3.67
RONDO4-4 (Down)	9.89	4.48
RONDO4-4 (Up&Down)	9.18	4.16
RONDO4-8 (Down)	16.94	7.68
RONDO4-8 (Up&Down)	15.51	7.03
RHC90	10.06	4.56



Specifications: ROND04

Width: 4 Dia. (101)

All dimensions are in inches (millimeters).

ORDERING INFORMATION

EXAMPLE: ROND04-IND-4-D27L/U18L-30K-UNV


MODEL	ROW ¹	SECTION ²	LED Downlight (per/4ft section)	LED Uplight (per/4ft section)	COLOR TEMP.
RONDO4-IND (Individual Mount) RONDO4-CON (Continuous Row Mount)	xx Specify nominal overall row length in 1' increments (Continuous runs)	2 2' Length 3 3' Length 4 4' Length 8 8' Length ³	D18L 18W LED (600 lm/ft) D27L 27W LED (899 lm/ft) D36L 36W LED (1198 lm/ft) D48L 48W LED (1598 lm/ft) D54L 54W LED (1798 lm/ft)	/NL Zero Uplight /U18L 18W LED (600 lm/ft) /U27L 27W LED (899 lm/ft)	(Blank) Leave blank if you wish to have different CCT for up and down, and fill out next section. -27K 2700K -30K 3000K -35K 3500K -40K 4000K -50K 5000K
RONDO4-SQ (Square) RONDO4-CM (Custom)	X'-Y' Specify dimensions in inches (Minimum required dimension is 4'-4') * Must provide a sketch on the last page.		* Maximum wattage per 4ft section - pendant/wall mount: 75W(up&down light) * Contact factory for custom wattage or lumen requirement.		


SEPARATE CCT.		CRI	MOUNTING	VOLTAGE
(Blank) DXXUYY	Leave blank if you chose to have the same CCT for up and down in the previous section. Indicate 27,30,35,40, or 50 for XX and YY (D represents Downlight, U represents Uplight).	(Blank) 80+ CRI C9 90+ CRI ⁹	(Blank) Pendant	UNV 120-277V 347 347V ¹¹

EM SECTION ⁴	FIXTURE FINISH	CORD FINISH	CANOPY FINISH	CEILING TYPE
(Blank) None EM 1SE 1 Section 2SE 2 Section xSE x Section	(Blank) Matte White RAL#9003 (Std.) *BK Black RAL #9011 **CC Custom Color *AMB Anti-Microbial Coating (Matte Skye White)	(Blank) White (Std.) *BKC Black	(Blank) White (Std.) *BC Black Canopy *SC Silver Canopy **CSS Custom Canopy Color (White is Std.)	X1 15/16" grid T-bar ceiling X2 Hard ceiling X3 Sloped Hard ceiling X4 9/16" T-bar ceiling
* Non-standard finish with extra charge. ** Additional charge & set up fee.				

RONDO4

Up, Down, and Up and Down

SUSPENSION LENGTH		LED DRIVER	
AC48	Adjustable Aircraft Cable Canopy 48"L	(Blank)	0-10V dim to 1% (Std.) (dim both uplight and downlight simultaneously)
AC96	Adjustable Aircraft Cable Canopy 96"L	UDSD	Separate Dimming Control of Uplight and Downlight (0-10V dim to 1%) ^{8, 10}
ST24	Stem Canopy 24"L	SP	Separate Power Control for Uplight and Downlight
ST48	Stem Canopy 48"L	ES566	eldoLED SOLOdrive Natural Dimming to dark, 0-10V, 100% ~ 0.1% dim
	* Contact factory for custom length.	SD40	40% / 100% Bi-Level Step dim
		SDXX	XX% / 100% Bi-Level Step dim (Specify XX : 10% ~ 70%)
		PHSR	Philips Xitanium Sensor-Ready, Dali 5%~100% dim.
		PHDL	Philips Xitanium DALI driver, Dim to 5%
		TDM	Triac Dim. (120V only)
		ED560	eldoLED LightShape DALI dim to dark, 0.1% ~ 100%
		TD30/70	30% / 70% / 100% Tri-Level Step dim
		TDXX/YY	XX% / YY% / 100% Tri-Level Step dim (Specify XX, YY : 10% ~ 70%)
		LDE1	Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology, 100% ~ 1% dim
		ELV	ELV compatible (reverse-phase or trailing-edge), (120V only)
		TRIOT	Tridonic IoT ready, 1-100% dim via Smart Module Interface (SMI), automated dimming/lighting controls via Enlighted Sensor Interface
		DMX	DMX512 control system (Only available with RGB+W option)
		DLM	Wattstopper's DLM interface (Only available with RGB+W option)
		LTEA2W	Hi-lume 1% 2-wire LED driver (120V forward phase only)
		 BLT	Bluetooth Mesh System (contact factory for more information)

OPTIONS		LIGHTING CONTROL SYSTEM	
RHC90	90° Horizontal Lit Connector	LUTRON VIVE	<Lutron Vive System Enabled>
EMG8	1296 LUMEN EM Battery Backup ¹²		 Click Here!
EMG15	2430 LUMEN EM Battery Backup ¹²		
EMG20	3240 LUMEN EM Battery Backup ¹²		
EMG25	4050 LUMEN EM Battery Backup ¹²		
EMC	CEC compliant EM ⁵		
GTD	Bodine Generator Transfer Device		
GTD10DIM	Bodine Generator Transfer Device (0-10VDC Dimmer Override)		
ARRA	Assembled in USA for Buy American Act		
BAA	BAA(Buy American Act) and BABA(Build America Buy America) compliant		
LSR-301-S	Setup Remote Control for DPMS (Required for DPMS)		
LSR-301-P	Occupant Remote Control for DPMS		
O7W	Optional 7 Years Limited Warranty ⁶		
O10W	Optional 10 Years Limited Warranty ⁶		
AMS	Bluetooth Mesh Wireless Sensor. Occupancy/Daylight/0-10V Dimming		
DPMS	Daylight Dimming Photo Sensor (0-10 VDC Control), (LSR-301-S required if FD-301 is installed) ¹³		
SO	Dimming Wires connected to Sensor Only (available option on FS-205 non-Bluetooth AMS sensor only) ⁷		
			<Bluetooth> Bluetooth Mesh Wireless Sensor. Occupancy/Daylight/0-10V Dimming Bluetooth Powerpack (Consult factory for installation location)

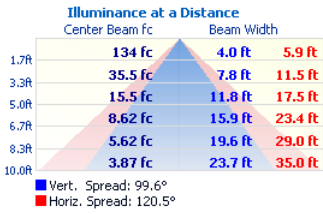
NOTES:

- Specify only when Continuous Row Mount.
- No need to select, if same as row length and section length.
- Comes with 1pc 8ft lens.
- EM is installed in last 4' of luminaire sections. Separate section required 2SE or specified. Must specify voltage, not available with 347V.
- Check with factory for more details.
- This limited warranty covers electrical parts only and does not apply to labor, equipment lease, or defect from improper installation or operation.
- Dimming wires provided and connected to sensor only, not for dimmer switch. (available with AMS and DPMS option)
- For separate dimming control, please be advised it may not be available when EM battery backup is added due to limited space. Please contact us for more information.
- Lumen per watt is around 15% less than standard CRI (80+).
- Can have up to 2 power feeds depending on the configuration.
- 347V cannot work with Emergency Battery Backup.
- Not available on 2ft housing due to space limitations.
- Automatic on/off is not available. For automatic on/off, additional occupancy sensor is required or a manual on/off switch can be done.

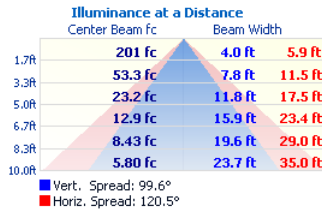
RONDO4

Up, Down, and Up and Down

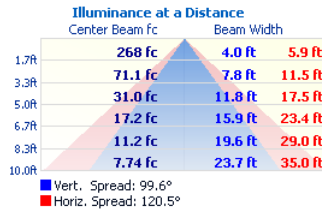
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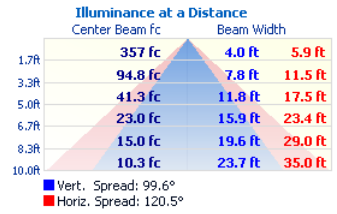
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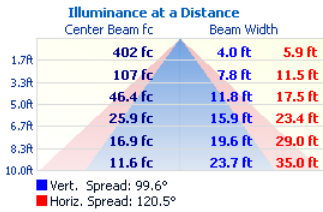
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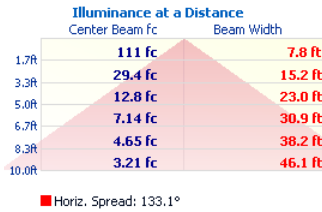
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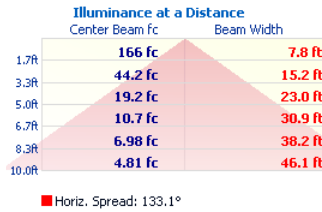
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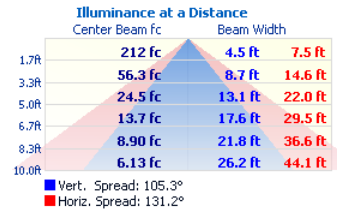
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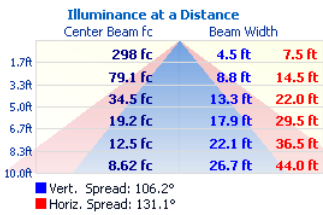
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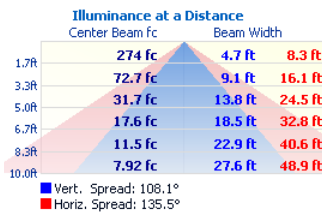
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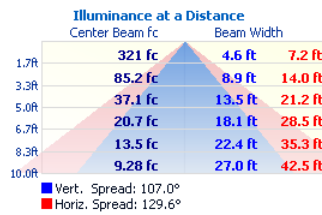
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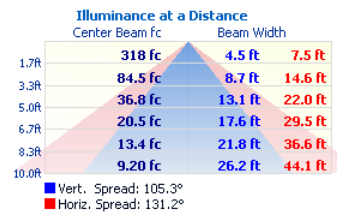
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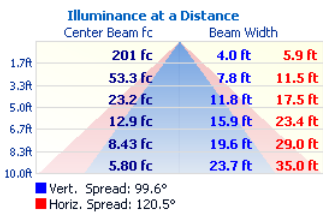
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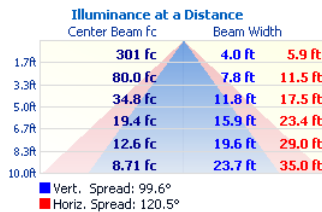
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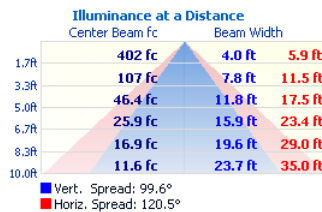
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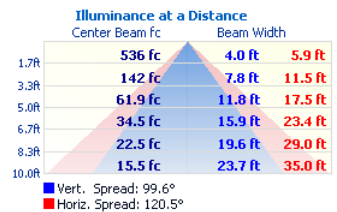
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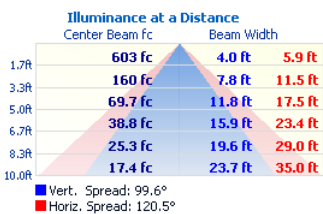
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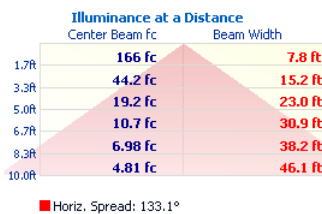
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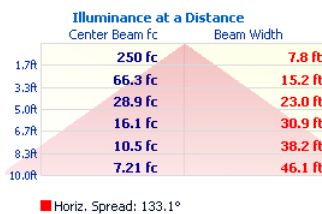
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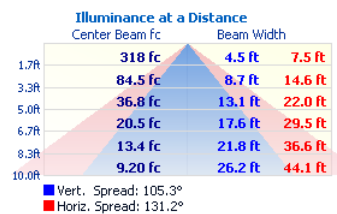
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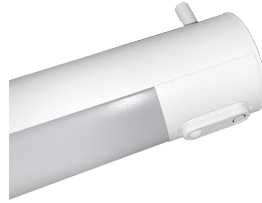


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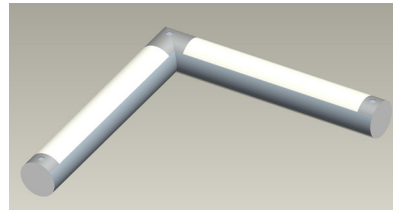
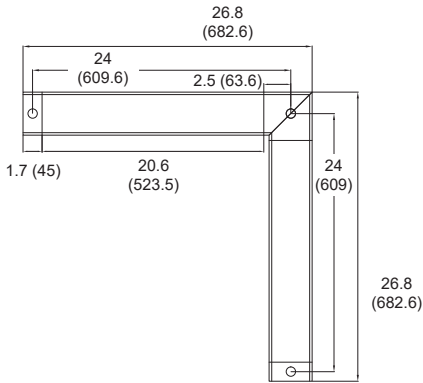


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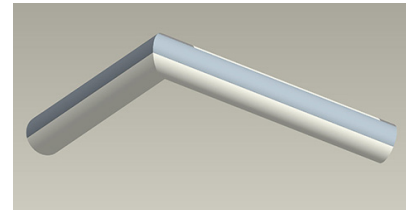
Up, Down, and Up and Down



Lutron Vive Integral
fixture control installation

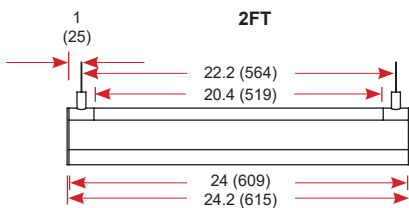
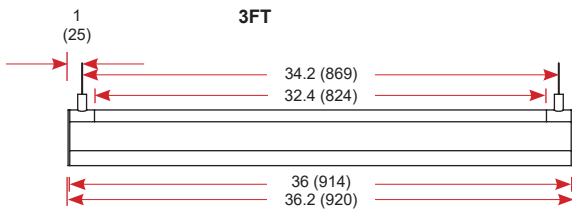
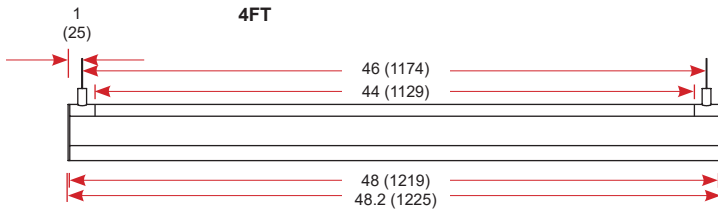
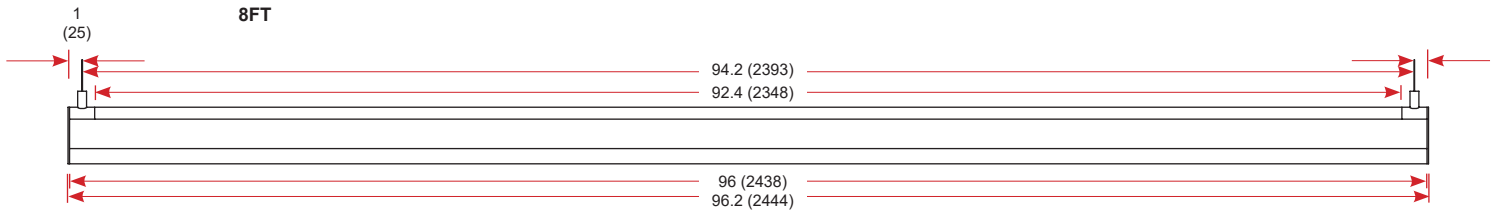


RHC90 (uplight)



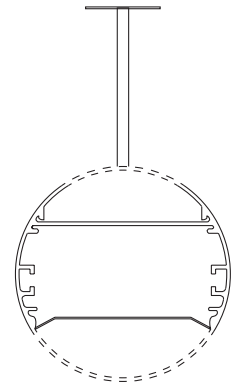
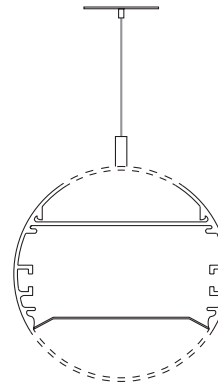
RHC90 (downlight)

All dimensions are in inches (millimeters).



Cable

Stem



RONDO4

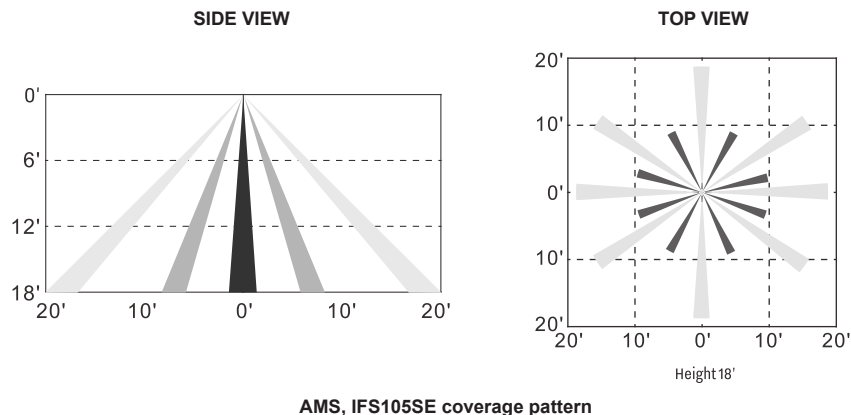
Up, Down, and Up and Down

COMPATIBLE DIMMER SWITCH (TABLE 1)

Model #	Brand	Compatible Dimmer Switch	
(Blank)	-	<Leviton>	IlumaTech IP7 series
		<Lutron>	Visit www.lutron.com/advance for a list of dimmers (Mark VII) that will work with this driver.
		<Philips>	Sunrise : SR1200ZTUNV
ES566	eldoLED SOLOdrive	<Busch-Jaeger>	2112U-101
		<Jung>	240-10
		<Leviton>	IlumaTech - IP710-DLX
		<Lightoller Controls>	ZP600FAM120
		<Merten>	5729
		<Pass & Seymour>	CD4FB-W
		<Wattstopper>	DCLV1
		<Sensor Switch>	nIO EZ
		<Synergy>	ISD BC
		<ABB>	SD/S 2.16.1
		<Lutron>	Nova T: NTFTV Diva - DVTV-xx, NFTV GRAFIK Eye: GRX-TVI w GRX3503 Energy Savr Node: QSN-4T16-S TVM2 Module
		<Crestron>	GLX-DIMFLV8, GLXP-DIMFLV8, GLPAC-DIMFLV4-*, GLPAC-DIMFLVV8-*, GLPP-DIMFLVEX-PM, GLPP-1DIMFLV2EX-PM, GLPP-1DIMFLV3EX-PM, DIN-A08, DIN-4DIMFLV4, CLS-EXP-DIMFLV, CLCI-1DIMFLV2EX
		ED560	eldoLED DUALdrive
LDE1	Lutron Hi-lume 1% EcoSystem	<Lutron>	PowPak Dimming Modules: RMJ-ECO32-DV-B, FCJ/FCJS-ECO 1,2 Energi Savr Node (120V only): QSN-1ECO-S, QSN-2ECO-S GRAFIK Eye QS/Homeworks QS control unit (120V only): QSGRJ-_E(wireless) QSGR-_E Quantum Hub (120V only): QP2-_2C/4C/6C/8C Homeworks QS/myRoom Plus power module (120V only): LQSE-2ECO-D
PHSR 3	Philips Xitanium Sensor-Ready	<Ilumra>	<u>Single Rocker Self-Powered Light Switch (on/off, dim-up/down)</u> Ilumra# ZBT-S1AWH Digi-Key# 1082-1033-ND <u>Dual Rocker Self-Powered Light Switch (on/off, dim-up/down, scene1,2)</u> Ilumra# ZBT-S2AWH Digi-Key# 1082-1034-ND
TDM	KEYSTONE	<Lutron>	Diva DV-600P, SkyLark S-600P, Ariadni AY-600P, Ariadni TG-603P, Maestro MA-600 (Digital), Diva CFL/LED DVCL-153P, Satin Colors DVSC-600P-SW
		<Leviton>	6641, IlumaTech IPI06-1LX, ToggleTouch TGI06-1LW (Digital)
ELV	KEYSTONE	<Lutron>	MAELV-600BL (Digital), DVELV-300P, SkyLark SELV-300P
LTEA2W	Lutron Hi-lume 2-wire (120V forward voltage only)	<Lutron>	Visit http://www.lutron.com/TechnicalDocumentLibrary/369543_ENG.pdf for a list of compatible dimmer switches.

NOTES:

- All devices connected to one FCJ/FCJS-ECO will be controlled together. Devices will dim to the same level as the result of a control command. For more detail on adjusting low-end light level refer to Application Note#556 at www.lutron.com.
- For the Line/Hot (L/H) terminal on the driver, it is preferred not to use the switched hot (red) wire from the control but rather the hot wire directly from the power source.
- Recommended for EasySense System.



AMS, IFS105SE coverage pattern

ARCHITECTURAL LINEAR

RONDO4 LIT CONNECTOR PATTERNS

The lit connector system allows continuous illumination all the way through the corner section.

Instruction:

- Provide sketches illustrating corner types and overall dimensions.
- Must provide the power location in the drawing.
- Utopia Lighting will decide the optimal fixture combination unless otherwise specified in the drawing

