

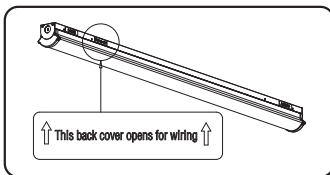
## [ Features ]

- An architectural design for commercial new construction or retrofit project applications
- Ideal illumination for reducing eyestrain and energy consumption
- Installer-friendly structure by two-parts body with a lightweight material, enough inner-room for end-to-end wiring
- Extruded aluminum housing as a heat sink
- Sealed structure for preventing dust penetration
- ZigBee® Multi(Occupancy+Daylight) sensor (field installation)
- System efficacy up to 130 lm/W

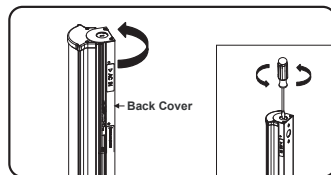


## Installation Procedure

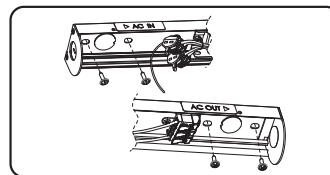
### Linear Strip



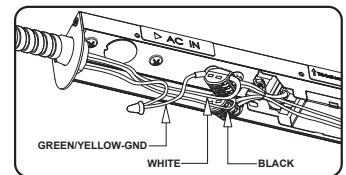
1. It indicates the direction for opening a back cover.



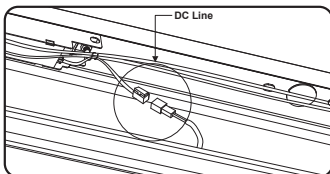
2. Hold the back cover in a counterclockwise. If, it does not open, Use a flat-head Screwdriver.



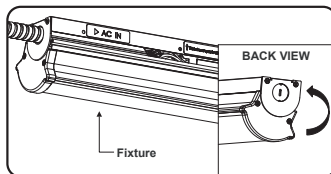
3. Fix the back cover to Surface.



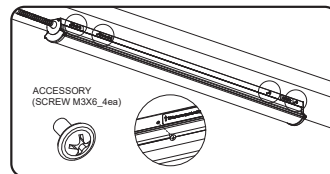
4. Connect AC lines as shown in a picture. (GREEN/YELLOW- Ground, WHITE- Neutral, BLACK- Live)



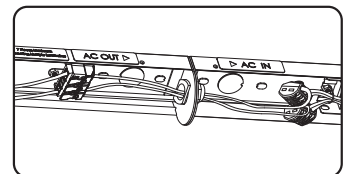
5. Connect DC lines between the back cover and a product.



6. Assemble the fixture into the back cover.

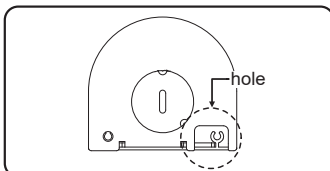


7. Fix the back cover into the fixture using screws provided.

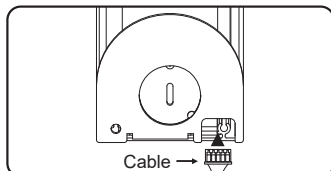


8. Continuous Row Mounting is suitable. check maximum quantity of a <Product Summary> table.

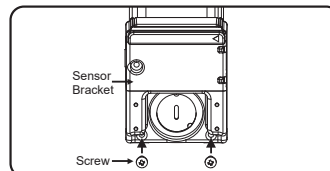
### Sensor Bracket & RCA Smart Multi Sensor



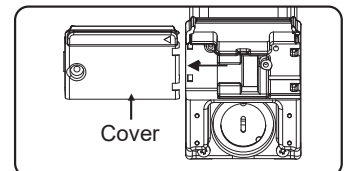
1. Remove the side cap without a hole near the LED driver in the fixture and assemble the side cap with hole.



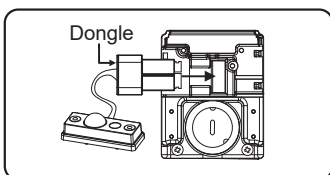
2. Place the sensor bracket and pass the Cable through the side cap hole.



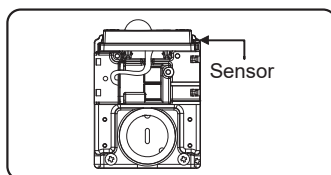
3. Assemble the sensor bracket to the side cap with two screws.



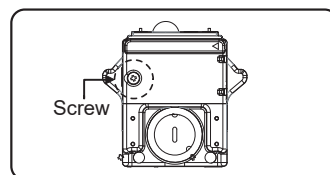
4. Remove the cover.



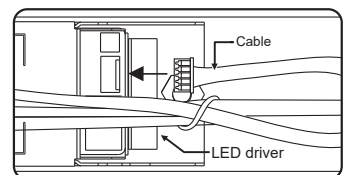
5. Insert the dongle into the sensor bracket.



6. Insert the sensor into the sensor bracket.

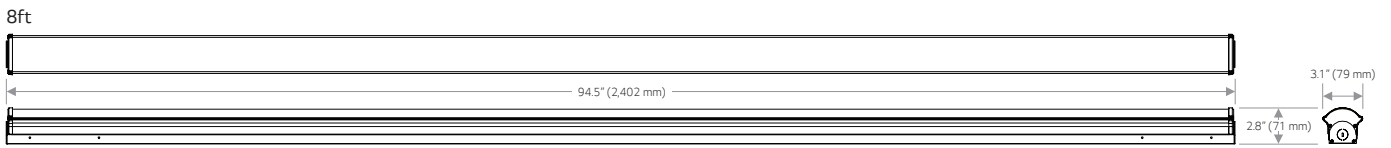
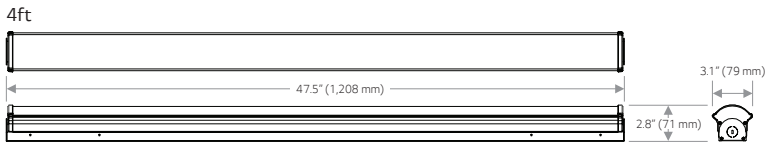


7. Assemble the cover with one screw.

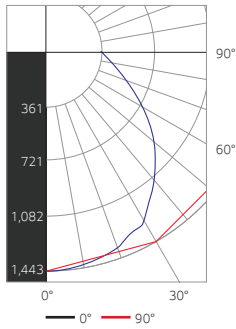


8. Insert cable of sensor bracket into the LED driver.

## Dimension



## Photometrics



### Coefficients of utilization - zonal cavity method

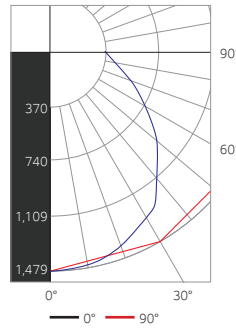
Effective floor cavity reflectance 0.20

RC	80				50				30				
RW	70	50	30	10	50	30	10	50	30	10	50	30	10
0	119	119	119	119	111	111	111	106	106	106	106	106	106
1	107	102	97	93	95	92	88	91	88	86	86	86	86
2	97	88	81	75	83	77	72	79	75	70	70	70	70
3	88	77	69	62	73	66	60	70	64	59	59	59	59
4	81	68	59	52	64	57	51	62	56	50	50	50	50
5	74	61	52	45	58	50	44	56	49	44	44	44	44
6	69	55	46	39	52	44	39	50	44	38	38	38	38
7	64	50	41	35	47	40	34	46	39	34	34	34	34
8	59	45	37	31	43	36	31	42	35	30	30	30	30
9	55	42	33	28	40	33	28	39	32	27	27	27	27
10	52	39	31	25	37	30	25	36	29	25	25	25	25

### Zonal lumen summary

Zone	Lumens	%Fixture
0-20	525	12.3
0-30	1114	26.1
0-40	1811	42.4
0-60	3174	74.4
0-80	4055	95.0
0-90	4268	100.0

Test : 4ft, 30W, 3500K  
Lumen : 3900 lm  
Spacing Criterion (0-180) : 1.32  
Spacing Criterion (90-270) : 1.22



### Coefficients of utilization - zonal cavity method

Effective floor cavity reflectance 0.20

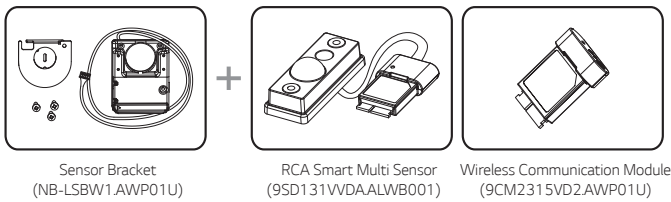
RC	80				50				30				
RW	70	50	30	10	50	30	10	50	30	10	50	30	10
0	119	119	119	119	111	111	111	106	106	106	106	106	106
1	107	102	97	93	95	92	88	91	88	86	86	86	86
2	97	88	81	75	83	77	72	79	75	70	70	70	70
3	88	77	69	62	73	66	60	70	64	59	59	59	59
4	81	68	59	52	64	57	51	62	56	50	50	50	50
5	74	61	52	45	58	50	44	56	49	44	44	44	44
6	69	55	46	39	52	44	39	50	44	38	38	38	38
7	64	50	41	35	47	40	34	46	39	34	34	34	34
8	59	45	37	31	43	36	31	42	35	30	30	30	30
9	55	42	33	28	40	33	28	39	32	27	27	27	27
10	52	39	30	25	37	30	25	36	29	25	25	25	25

### Zonal lumen summary

Zone	Lumens	%Fixture
0-20	539	12.3
0-30	1142	26.0
0-40	1858	42.4
0-60	3259	74.3
0-80	4165	95.0
0-90	4384	100.0

Test : 4ft, 30W, 4000K  
Lumen : 3900 lm  
Spacing Criterion (0-180) : 1.32  
Spacing Criterion (90-270) : 1.22

## Wireless Dimming (Optional)



## Occupancy sensing & daylight harvesting

- No re-circuiting or mounting for sensors
- Wireless control
- Pre-programmed optimal values
- Sensor's capabilities
  - Standalone Mode
    - Default = Max : 80%, Mid : 80%, Min : 0%
    - Multi Sensor Light Level can be modified to the following:
      - Press Light Level button x1 = Max : 60%, Mid : 60%, Min : 0%
      - Press Light Level button x2 = Max : 40%, Mid : 40%, Min : 0%
      - Press Light Level button x3 = Max : 20%, Mid : 20%, Min : 0%
      - Press Light Level button x4 = Max : 100%, Mid : 100%, Min : 0%
  - Sensor Connect (commissioned with App)
    - Full-range dimming using RCA App, RCA wireless switch
  - 3<sup>rd</sup> party ZigBee® Control Software
    - Full-range dimming

## Specifications & Ordering Information

Product type	Model code (US order code)	Input power	CCT	Delivered light output	Efficacy	Beam angle	Optical unit	Dimensions	Weight	Life span	Controls
		W	K	lm	lm/W	°	-	inch (mm)	lb (kg)	hrs	-
Linear Strip	4ft	30	3500	3900	130	120	White (PC)	47.5 x 3.1 x 2.8 (1208 x 79 x 71)	3.68 (1.67)	70000@L70 36000@L85	ZigBee ready
	8ft	60	3500	7800				94.5 x 3.1 x 2.8 (2402 x 79 x 71)	6.50 (2.95)		
NB-L60S141 (LGE-8FT-60-40-7800)											

- CRI : >80, Input voltage : 120 ~ 277 Vac, Power factor : ≥0.9, Operating temperature : -4 ~ 104°F (-20 ~ 40°C)
- 0-10V Dimming is not available

Product type	Model code (US order code)	Input power	CCT	Delivered light output	Efficacy	Beam angle	Optical unit	Dimensions	Weight
		W	Vdc	MHz	-	-	°F (°C)	inch (mm)	Oz (g)
Smart Multi Sensor for Linear Strip	9SD131VVDA.ALWB001 (LGE-MULTI-SENSOR-LS)	0.2	3.3	2,405 -2,480	20	ZigBee	-4 ~ 122 (-20 ~ 50)	Sensor : 0.8x2.0x0.7 (20x50x17) Dongle : 0.9x1.1x0.3 (22x28.7x7.7) Cable : Ø0.16x31.5 (Ø4.0x800)	0.4 (10)
Wireless Communication Module	9CM2315VD2.AWP01U (LGE-NEW DONGLE)	0.2	3.3	2,405 -2,480	20	ZigBee	-4 ~ 122 (-20 ~ 50)	0.8x2.0x0.7 (20x50x17)	0.2 (5)
Sensor Bracket for Linear Strip	NB-LSBW1.AWP01U (LGE-LS-BRK)							Sensor bracket : 2.83x2.26x1.4 (71.9x57.5x36.3) Cable : Ø0.12x600 (Ø3.2x600)	2.1 (60.2)

