

DATE: _____ LOCATION: _____
 TYPE: _____ PROJECT: _____
 CATALOG #: _____

FEATURES

- Switchable Lumen technology: 4300/4800/5500 lumens
- Switchable CCT technology: 3000/3500/4000/5000K
- Up to 154 lumens per watt
- 0–10V dimming to 10%
- For use in a wide range of surface mount and wall applications
- Universal Voltage (120–347V)
- 80+ CRI
- Acrylic lens for superior efficiency, resistance to UV aging



SERVICE PROGRAMS
tradeSELECT®

Typical Dimensions and Weights				
Sizes	Length Inches (mm)	Width Inches (mm)	Height Inches (mm)	Weight lbs (kg)
4ft	9.63 (244.6)	46.06 (1170.0)	3.42 (86.9)	6.83 (3.1)



SPECIFICATIONS

CONSTRUCTION

- Steel housing and end caps

OPTICS

- Frosted acrylic lens

INSTALLATION

- Fully assembled for quick installation
- Electrical access from middle of exterior of fixture
- Refer to installation instructions for more detail

ELECTRICAL

- 54,000 hour LEDs at L70 for reduced maintenance

ELECTRICAL (CONTINUED)

- Switchable Lumen and Switchable CCT fixtures set to 36W and 3500K
- Switchable Lumen and Switchable CCT technology allows for easy field-adjustable lighting output with switch located on side of driver
- Operates at 120–347V input
- 0–10V dimmable driver, down to 10%

CERTIFICATIONS

- All luminaires are built to UL 1598 standards and bear appropriate cULus labels

CERTIFICATIONS (CONTINUED)

- Adheres to LM79, LM80, and TM21 industry standards for photometrics and lifetime calculations
- Damp location label standard
- DLC® (DesignLights Consortium) Qualified. Please refer to the DLC website for specific product qualifications at www.designlights.org

WARRANTY

- 5 year warranty

ORDERING GUIDE

Catalog Number	UPC	Description	Setting	Lumens				Watts	LPW			
				3000K	3500K	4000K	5000K		3000K	3500K	4000K	5000K
CRW4-A-LSCS	840141400228	4' LED Round Wrap, 5500/4800/4300 Switchable Lumens, 3000/3500/4000/5000K Switchable CCT, 0-10V dimming, 120-347V	Low	4722	4841	4925	5013	32.5	145	149	152	154
			Medium	5134	5278	5374	5395	36.0	143	147	149	150
			High	5562	5746	5859	5861	41.0	136	140	143	143

CRW4	A	LSCS	Options
Model	Generation	Lumen Output	
4' LED Round Wrap	A Gen A	LSCS Lumen & CCT Switchable (4300/4800/5500lm) (3000/3500/4000/5000K)	ELL14ST Emergency Battery Pack with Self-Test (CEC Title 20 Compliant), Installed

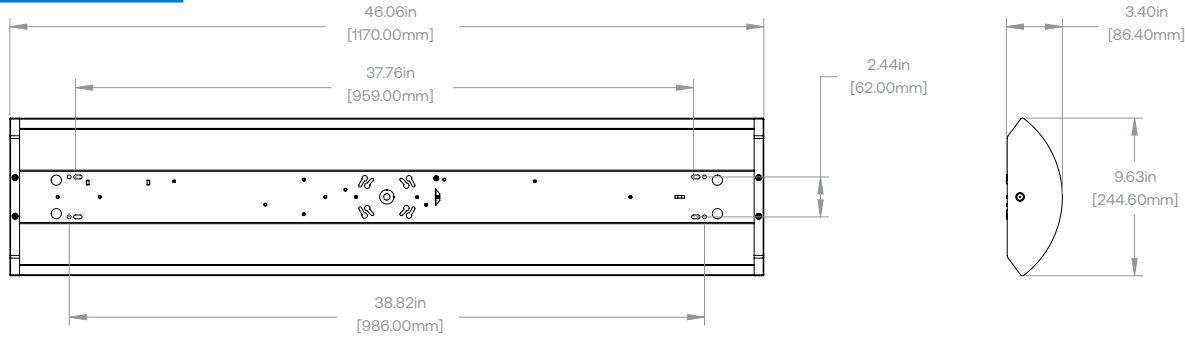
Accessories (Order Separately)

- MSKIT Field Installable Microwave Sensor Kit¹



Notes:
1 Can't be combined with ELL14ST option

DIMENSIONS

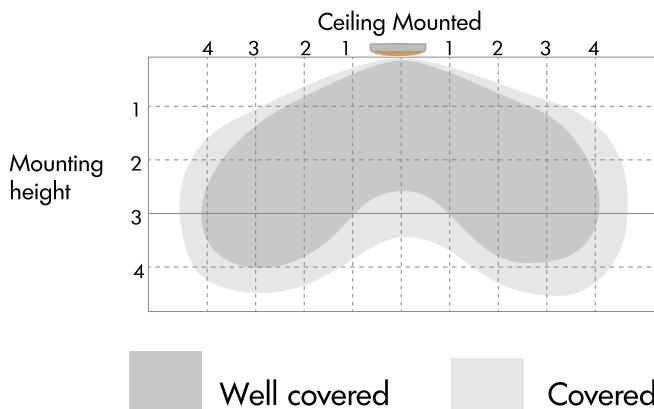


SENSOR TECHNICAL DATA

Sensor Parameters	Microwave Frequency	5.8Hz ± 75MHz		
	Microwave Power	<0.3mW		
		DIP Switch		
	Detection Area	50%/100%		
	Hold Time	10s/1min/5min/10min		
	Daylight Threshold	10lux/30Lux/50Lux/Disable		
	Stand-by Period	1min/ 30min/ 60min/+∞		
	Stand-by Dimming Level	10% 20% 30% 50% 100%		
	Mounting Height	Max. 4m (ceiling mounted)		
	Detection Range	Diameter 10* 4m (Max)		
	Motion Detection	0.5~+ 1m/s		
	Detection Range	150° (Wall Mounted) 360° (Ceiling Mounted)		
Others	Input Range	12VDC		
	Voltage Range	10-15VDC		
	Current	≤30mA		
	Signal	DIM 0-10V		
	Connection	12VDC input/ Black&White wire; DIM+/ Purple wire; DIM-/ Pink wire		
Note	<p>1. The result is based on 1.65M/60kg medium-size man walking toward sensor with speed of 0.8m/s in a vacant room. The sensor is hanging at 3M height.</p> <p>2. It may have different performance if the test is delivered by different people, with different speed, at different height or in different conditions.</p>			

SENSOR COVERAGE

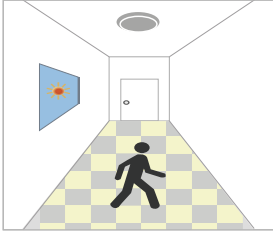
This figure indicates maximum distance at the highest mounting height with 100% sensitivity



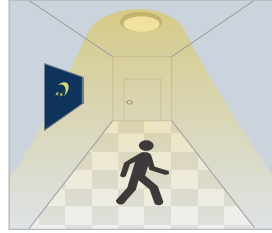
SENSOR FUNCTIONALITY

1. AUTOMATICALLY ON/OFF FUNCTION

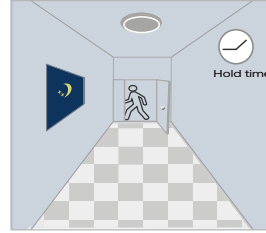
Light comes on when the sensor detects movement and off after people leave at night.
Applications: Corridors and staircases.



With sufficient daylight, even when motion is detected, light remains OFF.



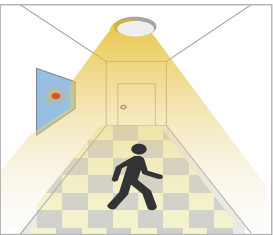
With insufficient daylight, when motion is detected, light turns ON.



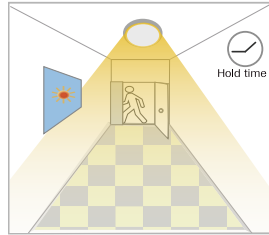
After the last detection and the present hold time is elapsed, light turns OFF.

2. NO DAYLIGHT FUNCTION

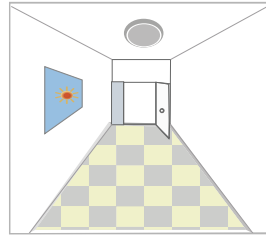
The daylight threshold is set to "Disable"
Light comes on when it detects movement. After people leave, light goes off after a stand-by period.
Applications: Dim places such as basement parking or an underpass.



When motion is detected, the sensor will switch on the light to 100% brightness

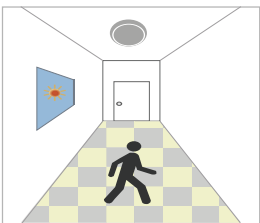


After people leave the detection area, light remains at 100% brightness within the hold time



After the last detection and the present hold time is elapsed, light turns OFF.

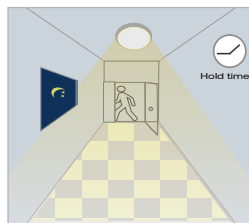
3. FUNCTION DEMO - DIMMABLE CONTROL/CORRIDOR FUNCTION



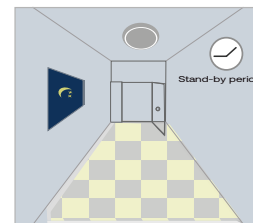
With sufficient daylight, even when motion is detected, light remains OFF.



With insufficient daylight, when motion is detected, light turns ON.

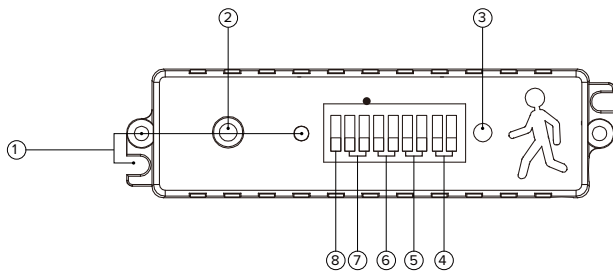


After the last detection, the light will be dimmed down to the stand-by level (10%, 20%, 30% or 50%) after hold-time




After the stand-by period, light turns OFF

Mechanical Structure



- ① Installation Hole
- ② Antenna module
- ③ Daylight Sensor
- ④ Stand-by dimming level
- ⑤ Stand-by Period
- ⑥ Daylight Threshold
- ⑦ Hold Time
- ⑧ Detection Area

DIP Switch Setting



● Switch UP

○ Switch DOWN

Factory Default Setting: All switches UP as shown

Stand-by dimming level	<table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td>●</td><td>●</td><td>10%</td></tr> <tr><td>●</td><td>○</td><td>20%</td></tr> <tr><td>○</td><td>●</td><td>30%</td></tr> <tr><td>○</td><td>○</td><td>50%</td></tr> </table>	●	●	10%	●	○	20%	○	●	30%	○	○	50%	The definition of low output in the standby period.
●	●	10%												
●	○	20%												
○	●	30%												
○	○	50%												
Stand-by period	<table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td>●</td><td>●</td><td>0s</td></tr> <tr><td>●</td><td>○</td><td>30s</td></tr> <tr><td>○</td><td>●</td><td>20min</td></tr> <tr><td>○</td><td>○</td><td>+ ∞</td></tr> </table>	●	●	0s	●	○	30s	○	●	20min	○	○	+ ∞	The period of light keeping low output before it's completely switched off. When it's preset as "∞", the light always keep at low output if no movement in the detection area and doesn't turn off
●	●	0s												
●	○	30s												
○	●	20min												
○	○	+ ∞												
Daylight Threshold	<table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td>●</td><td>●</td><td>Disable</td></tr> <tr><td>●</td><td>○</td><td>50lux</td></tr> <tr><td>○</td><td>●</td><td>10lux</td></tr> <tr><td>○</td><td>○</td><td>2lux</td></tr> </table>	●	●	Disable	●	○	50lux	○	●	10lux	○	○	2lux	Definition of the ambient brightness; only when the ambient brightness is lower than preset specific lux amount, -the sensor will work; when its preset as "disable", the sensor works every time it detects motion regardless of the ambient brightness
●	●	Disable												
●	○	50lux												
○	●	10lux												
○	○	2lux												
Hold-Time	<table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td>●</td><td>●</td><td>5s</td></tr> <tr><td>●</td><td>○</td><td>30s</td></tr> <tr><td>○</td><td>●</td><td>1min</td></tr> <tr><td>○</td><td>○</td><td>10min</td></tr> </table>	●	●	5s	●	○	30s	○	●	1min	○	○	10min	The period of light keeping 100% brightness after moving objects leave the detection area.
●	●	5s												
●	○	30s												
○	●	1min												
○	○	10min												
Detection Area	<table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td>●</td><td>100%</td></tr> <tr><td>○</td><td>50%</td></tr> </table>	●	100%	○	50%	In this area, movement will be detected and able to trigger the sensor. 100% detection area is also known as the strong sensitivity.								
●	100%													
○	50%													