Columbia LIGHTING

CSL
STRIPLIGHT

tradeSELECT®

FEATURES

- 4ft and 8ft lengths
- Switchable Lumen Technology
- Switchable CCT, 3500/4000/5000K
- Captive Lens/LED engine assembly
- 80+ CRI
- 0–10V dimming to 10%
- Surface mount on wall or ceiling
- Universal voltage (120–347V)
- Junction box cover included
- Field Installable behind-the-lens microwave sensor accessory

SERVICE PROGRAMS

ST✓CK

Typical Dimensions and Weights

Sizes	Length Inches (mm)	Width Inches (mm)	Height Inches (mm)	Weight lbs (kg)
4ft	47.66 (1210.6)	2.40 (61.0)	2.40 (61.0)	3.3 (1.5)
8ft	95.28 (2420.2)	2.40 (61.0)	2.40 (61.0)	6.4 (2.9)

SPECIFICATIONS

OPTICS
- Frosted polycarbonate lens

INSTALLATION
- Fully assembled for quick installation

ELECTRICAL
- 50,000 hour LEDs at L90 for reduced maintenance

CERTIFICATIONS
- All luminaires are built to UL1598 standards and bear appropriate ETL labels
- 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

STOCK GUIDE

	Catalog No.	UPC	Description	Setting	Lumens 3500K	Lumens 4000K	Lumens 5000K	Watts	LPW 3500K	LPW 4000K	LPW 5000K
☐	CSL4-A-LSCS	840141413471	4' LED Striplight, 4400/**4850**/5300 Switchable Lumens, 3500/**4000**/5000K Switchable CCT, 0-10V dimming, 120-347V	LOW	4400	4500	4400	32.5	135	138	135
				MED	4850	4950	4850	36	135	138	135
				HIGH	5300	5400	5300	41	129	132	129
☐	CSL8-A-LSCS	840141413488	8' LED Striplight, 8000/**8800**/9600 Switchable Lumens, 3500/**4000**/5000K Switchable CCT, 0-10V dimming, 120-347V	LOW	8000	8300	8000	65	123	128	123
				MED	8800	9000	8800	72	122	125	122
				HIGH	9600	10000	9600	81	119	123	119

Bold indicates default settings

ORDERING GUIDE

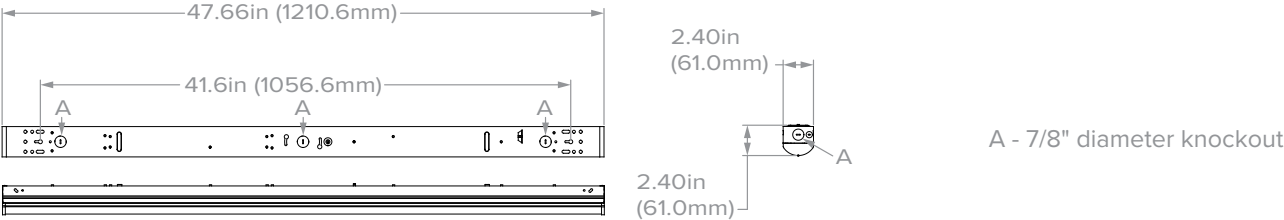| CSL-A		—	LSCS	—	
Model	**Size**		**Lumen Output**		**Options**
CSL-A	**4** 4' **8** 8'		**LSCS** Lumen & CCT Switchable		**ELL14ST** Emergency Battery Pack (CEC Title 20 Compliant), Installed, Self-Test

Accessories (Order Separately)

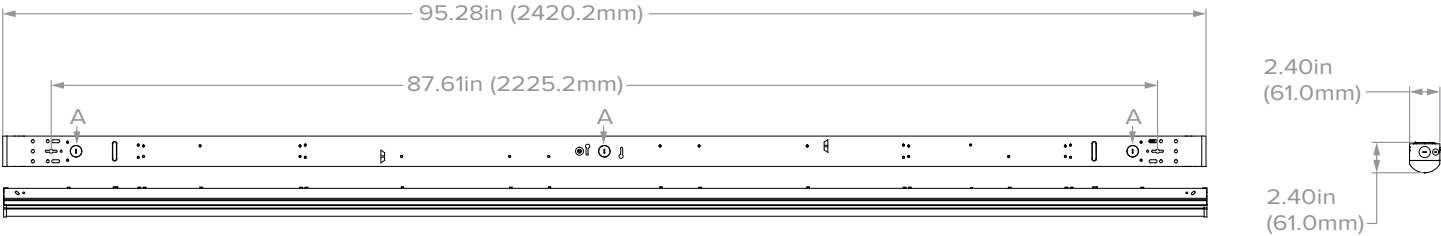|			
☐ **CM24SCF5-KIT**	24" Adjustable Cable Mount Kit, 5-wire feed	☐ **MSKIT**	Field Installable Microwave Sensor Kit
☐ **CM48SCF5-KIT**	48" Adjustable Cable Mount Kit, 5-wire feed		
☐ **CM24NF-KIT**	Single Point Non-Feed Cable Mount Kit with Canopy, Single 24"		
☐ **CM48NF-KIT**	Single Point Non-Feed Cable Mount Kit with Canopy, Single 48"		
☐ **LSCH36**	Linear Strip Chain Hanger Kit, 36" (pair, 1 per fixture)		

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DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

DIMENSIONS

CSL4-A-LSCS

47.66in (1210.6mm)

41.6in (1056.6mm)

A   A   A

2.40in (61.0mm)

2.40in (61.0mm)

A

A - 7/8" diameter knockout

CSL8-A-LSCS

95.28in (2420.2mm)

87.61in (2225.2mm)

A   A   A

2.40in (61.0mm)

2.40in (61.0mm)

PHOTOMETRY

CSL4-A-LSCS 3500K 41W

LUMINAIRE DATA

Test No.	CTLED23E19535(41W,3500K)
Description	LM-79 Test Report
Delivered Lumens	5353.2
Watts	39.14
Efficacy	137
Spacing Criterion	0°-180° = 1.22 90°-270° = 1.40

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0–30	1162.48	21.7
0–40	1930.61	36.1
0–60	3554.02	66.4
0–90	49783.35	92.9
0–180	5353.24	100.0

POLAR GRAPH

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SENSOR TECHNICAL DATA

		DIP Switch	
Sensor Parameters	Microwave Frequency	5.8Hz ± 75MHz	
	Microwave Power	<0.3mW	
	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	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. 2. It may have different performance if the test is delivered by different people, with different speed, at different height or in different conditions.		

SENSOR COVERAGE

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

Ceiling Mounted

Mounting height

Well covered   Covered
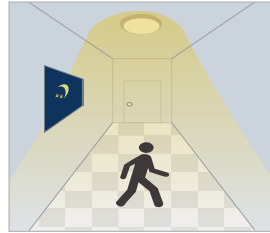
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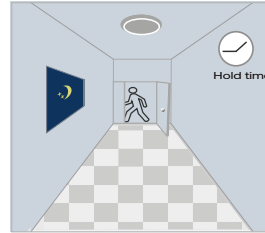## SENSOR FUNCTIONALITY

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.

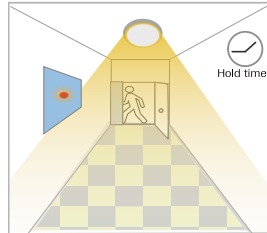With insufficient daylight, when motion is detected, light turns ON.

After the last detection and the present hold time is elapsed, light turns OFF.
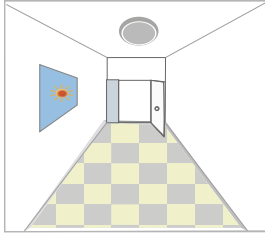
2. NO DAYLIGHT FUNCTION

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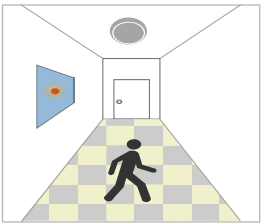
After people leave the detection area, light remains at 100% brightness within the hold time

After the last detection and the present hold time is elapsted, light turns OFF.
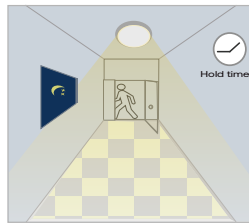
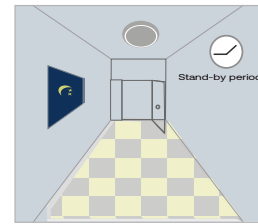### 3. FUNCTION DEMO - DIMMABLE CONTROL/CORRIDOR FUNCTION

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

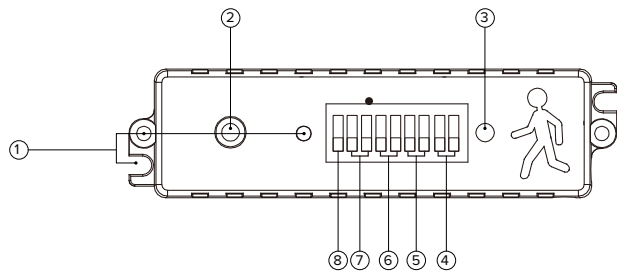With insufficient daylight, when motion is detected, light turns ON.

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

After the stand-by period, light turns OFF

Current

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Mechanical Structure

① Installation Hole   ⑤ Stand-by Period

② Antenna mo dule   ⑥ Daylight Threshold

③ Daylight Sensor   ⑦ Hold Time

④ Stand-by dimming level   ⑧ Detection Area

DIP Switch Setting

● Switch UP

○ Switch DOWN

Factory Default Setting: All switches UP as shown

Stand-by dimming level

●	●	10%
●	○	20%
○	●	30%
○	○	50%

The definition of low output in the standby period.

Stand-by period

●	●	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

Daylight Threshold

●	●	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

Hold-Time

●	●	5s
●	○	30s
○	●	1min
○	○	10min

The period of light keeping 100% brightness after moving objects leave the detection area.

Detection Area

●	100%
○	50%

In this area, movement will be detected and able to trigger the sensor. 100% detection area is also known as the strong sensitvity.

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