

UC Series

Undercabinet Light Selectable CCT



Project:	
Type:	
Catalog #:	

STANDARDS



HOUSING

- Aluminum, white housing.

ELECTRICAL

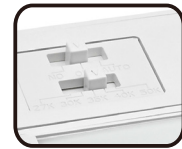
- Operating temperature (ambient): -20°C to 45°C (-4°F to 113°F).
- Universal 120V AC voltage (60Hz) is standard.
- UC9-3L-5CCT = 4W
- UC12-8L-5CCT = 8W
- UC18-12L-5CCT = 12W
- UC24-16L-5CCT = 16W
- UC36-23L-5CCT = 24W
- Two or more lights can be linked.(see page 2 for run limitations)
- Maximum Load: Maximum limit of 2A per linking circuit.
- Triac dimming.
- Input transient surge protection = 1kV.
- Power factor > 0.90.
- Total Harmonic distortion < 20%.

OPTICAL SYSTEM

- Polycarbonate diffuser.
- Rotatable light bar swivel 65°.
- Field selectable 2700k(soft white), 3000k(warm white), 3500k(warm/neutral white), 4000k (neutral white) and 5000k (cool white) color temperatures*.
- Delivers a range of 300 to 2,300 nominal lumens*.
- Long-life LEDs provide 167,000 hours of operation with at least 70% of initial lumen output (L70), and 51,000 hours with at least 90% of initial lumen output (L90)**.
- LED color maintenance < 0.0059 chromaticity shift ($\Delta u'v'$) over the initial 6,000 hours of operation.
- Integrated PIR sensor is standard.
- Color rendering index > 90.

* Factory Default kelvin temperature 4000k.

**L70 hours are IES TM-21-11 calculated hours.



MOUNTING

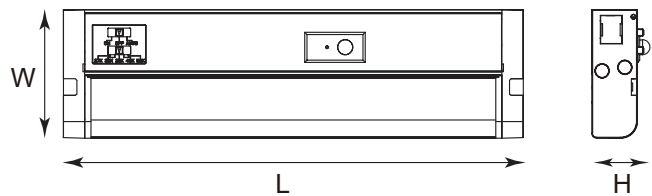
- Surface mounting.

CODE COMPLIANCE

- cETLus listed for damp locations.
- Complies with FCC part 15, class B.
- Complies with Title 24.

WARRANTY

- 5 year warranty on all electronics and housing.



Model #	L (in)	W (in)	H (in)	Weight (lbs)
UC9-3L-5CCT	8.98	3.35	1.51	1.06
UC12-8L-5CCT	11.97	3.35	1.51	1.19
UC18-12L-5CCT	17.99	3.35	1.51	1.33
UC24-16L-5CCT	23.98	3.35	1.51	1.50
UC36-23L-5CCT	36.02	3.35	1.51	1.61

ORDERING INFORMATION

Example: UC9-3L-5CCT

Model	Nominal Lumen Output		Kelvin Selectable	
UC9	3L	300 lm	5CCT	2700 / 3000 / 3500 / 4000 / 5000K
UC12	8L	800 lm		
UC18	12L	1200 lm		
UC24	16L	1600 lm		
UC36	23L	2300 lm		

ACCESSORIES (ORDER SEPARATELY)

Linking Connector

ZZ-CORDPLUG-UC-4C3P	=	120V, 4FT white cord with NEMA 5-15 Plug
ZZ-UC-CONNECT-2IN	=	2 inch Linking Connector Cable
ZZ-UC-CONNECT-2.5IN	=	2.5 inch Linking Connector Cable
ZZ-UC-CONNECT-3IN	=	3 inch Linking Connector Cable
ZZ-UC-CONNECT-24IN	=	24 inch Linking Connector Cable

COMPATIBLE DIMMERS AND CONTROLS

Manufacturer	Model Number		
Lutron	TG-600PR-WH	CTCL-153PDH-WH	TGCL-153PH-LA
	SLV-600P-AL	DVCL-153P	MSCL-OP153M
	PD-6WCL	CT-103PR-WH	DVWCL-153PH
	RCL-153RNL	-	-
Leviton	6672	RNL06	-

MAXIMUM RUN

Series	Max. Quantity	Max. Size
UC9-3L-5CCT	120 Units	90-ft
UC12-8L-5CCT	60 Units	60-ft
UC18-12L-5CCT	40 Units	60-ft
UC24-16L-5CCT	30 Units	60-ft
UC36-23L-5CCT	20 Units	60-ft

NOTE: Maximum limit of 2A per linking circuit.

LUMEN TABLES

Series	Measurements	Lumens				
		2700K	3000K	3500K	4000K	5000K
UC9-3L-5CCT	Lumens	307	326	339	344	340
	Watts	4.02	4	3.95	3.98	4.01
	Efficacy	76.37	81.50	85.82	86.43	84.79

Series	Measurements	Lumens				
		2700K	3000K	3500K	4000K	5000K
UC12-8L-5CCT	Lumens	677	714	752	764	751
	Watts	7.96	7.86	7.71	7.84	7.98
	Efficacy	85.05	90.84	97.54	97.45	94.11

Series	Measurements	Lumens				
		2700K	3000K	3500K	4000K	5000K
UC18-12L-5CCT	Lumens	1,019	1,082	1,138	1,152	1,136
	Watts	11.95	11.77	11.49	11.68	11.94
	Efficacy	85.27	91.93	99.04	98.63	95.14

Series	Measurements	Lumens				
		2700K	3000K	3500K	4000K	5000K
UC24-16L-5CCT	Lumens	1,453	1,544	1,612	1,638	1,614
	Watts	15.94	15.63	15.31	15.53	15.9
	Efficacy	91.15	98.78	105.29	105.47	101.51

Series	Measurements	Lumens				
		2700K	3000K	3500K	4000K	5000K
UC36-23L-5CCT	Lumens	2,096	2,202	2,298	2,338	2,322
	Watts	23.65	22.98	22.54	22.92	23.64
	Efficacy	88.63	95.82	101.95	102.01	98.22

ELECTRICAL DATA

Series	CCT	Input Amps (A)
		Lumens
		120V
UC9-3L-5CCT	2700K	0.03
	3000K	0.03
	3500K	0.03
	4000K	0.03
	5000K	0.03

Series	CCT	Input Amps (A)
		Lumens
		120V
UC12-8L-5CCT	2700K	0.07
	3000K	0.07
	3500K	0.06
	4000K	0.07
	5000K	0.07

Series	CCT	Input Amps (A)
		Lumens
		120V
UC18-12L-5CCT	2700K	0.10
	3000K	0.10
	3500K	0.10
	4000K	0.10
	5000K	0.10

Series	CCT	Input Amps (A)
		Lumens
		120V
UC24-16L-5CCT	2700K	0.13
	3000K	0.13
	3500K	0.13
	4000K	0.13
	5000K	0.13

Series	CCT	Input Amps (A)
		Lumens
		120V
UC36-23L-5CCT	2700K	0.20
	3000K	0.19
	3500K	0.19
	4000K	0.19
	5000K	0.20