



Project:	
Location:	
Model#: UCB0903SW-120	Type:
Client:	Qty:
Prepared by:	Date:

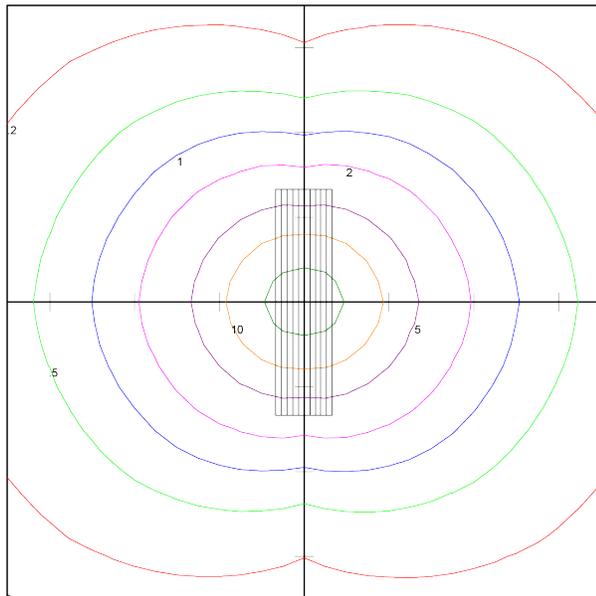
**SERIES SPECIFICATIONS**

To supply TamLite UCB series of LED under cabinet fixtures as specified. Each fixture comes complete with mounting clips and screws, as well as one butt connector. Fixture shall operate at 120Vac and be dimmable by Triac Dimmer. Fixture shall be CCT Selectable and be cETLus Listed.



**PERFORMANCE SPECIFICATIONS**

**Isolux Diagram**



TamLite Lighting Canada  
 10 Perdue Crt. Caledon, ON  
 UCB0903SW-120V  
 9.5 Inch 3Watt Under Cabinet Light 120VAC  
 Selectable white 3000K, 4000K, 5000K

Horizontal Footcandles  
 Scale: 1 Inch = 1.5 Ft  
 Light Loss Factor = 1.00  
 Lumens Per Lamp = N.A. (absolute photometry)  
 Luminaire Lumens = 301  
 Mounting Height = 1.50 Ft  
 Maximum Calculated Value = 27.56 Fc  
 Arrangement: Single



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**Zonal Lumen Summary**

ZONE	LUMENS	ZONE	LUMENS	ZONE	LUMENS	ZONE	LUMENS	ZONE	LUMENS
0-10	5.90	40-50	37.50	80-90	24.35	120-130	5.47	160-170	0.42
10-20	17.20	50-60	37.84	90-100	19.21	130-140	3.40	170-180	0.11
20-30	26.84	60-70	35.21	100-110	12.66	140-150	1.94	--	--
30-40	33.81	70-80	30.36	110-120	7.83	150-160	1.01	--	--

**Co-efficient of Utilization**

CC	80				70				50			30			10			0
WALL	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
fc	20				20				20			20			20			0
RCR																		
0	115	115	115	115	110	110	110	110	102	102	102	94	94	94	86	86	86	83
1	101	95	90	85	97	91	86	82	84	80	76	77	74	71	70	68	65	62
2	91	81	73	66	87	78	70	64	71	65	60	65	60	56	60	56	52	49
3	82	70	61	54	78	67	59	52	62	55	49	57	51	46	52	47	43	40
4	75	62	52	45	71	59	50	43	54	47	41	50	44	39	46	41	36	33
5	68	55	45	38	65	52	44	37	48	41	35	44	38	33	41	35	31	28
6	63	49	39	33	60	47	38	32	43	36	30	40	33	29	37	31	27	24
7	58	44	35	28	55	42	34	28	39	32	26	36	30	25	34	28	24	21
8	54	40	31	25	51	39	30	25	36	29	23	33	27	22	31	25	21	19
9	50	37	28	22	48	35	27	22	33	26	21	31	24	20	28	23	19	17
10	47	34	25	20	45	32	25	20	30	23	19	28	22	18	26	21	17	15

**Initial Lumen Output:** 301lm  
**Luminaire Type:** Direct  
**UL Classification:** Damp Location Listed  
**CCN Number:** IFAM7.E359675

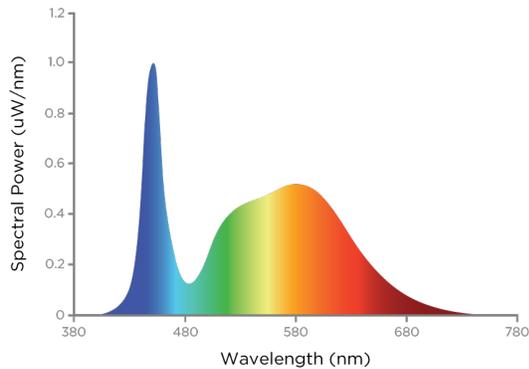
**Efficacy:** 112lm/W  
**Spacing Criteria:** 1.2(0-180), 1.28(90-270)  
**Ambient Operating Temp:** -10C to +40C  
**Limited Product Warranty:** 3 Year(s)

**CBCP:** 62.56cd  
**Environmental Rating(s):** IP44  
**Certification Standards:** cETLus

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## LED SPECIFICATIONS

### SPD



**Source Type:** LED

**CRI:** <90

**L90:** 25,000 Hrs.

**Colour Temperature:** 3000K, 4000K, 5000K Field Selectable

## ELECTRICAL SPECIFICATIONS

**Input Voltage:** 120Vac

**Input Frequency:** 50/60 hz

**Fixture Draw:** 3W

**Current Draw at 120Vac:** 0.0250A

**Max On-Delay:** < 1 S

**Power Factor at 120Vac:** 0.9575

**THD at 120Vac(%):** < 15%

**Dimming:** Triac

**Over Temperature Protection:** Auto

**Short Circuit Protection:** Auto Recovery.

**Driver Certifications:** c-RU-us Class 2,

recovery. Current returns to normal after over temperature is removed.

The output shall return to normal when the fault condition is removed.

FCC Part 15 Class B, RoHS

## PHYSICAL SPECIFICATIONS

**Finish Colour:** White

**Finish Type:** Painted Steel

**Wiring:** 18-3 AWG fixture cord, Max 300W

**Mounting:** Surface, 245mm, 9.65" M.O.L.

**Housing Material:** Steel

per branch circuit

**Lens Type:** Frosted

**Entries:** Polarity Protected Receptacles

**Lens Material:** Plastic

## SHIPPING INFORMATION

**OrderingCode(s):** UCB0903SW-120

**Box Weight:** 0.49 kg

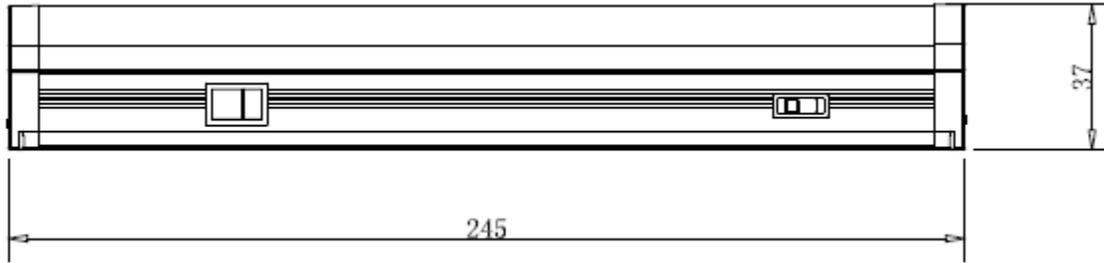
**Box Quantity:** 1

**Box Dimensions (L-W-H):** 960 x 35 x 45 mm

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LINE DRAWING

Line Drawings



SERIES ARCHITECTURE

Series Architecture

Part	Length	Wattage	CCT	Mounting	Voltage	Finish	Accessories
UCB	09 9.65 Inch	03 3W	SW Selectable White (3000K,4000K,5000K)	Blank Surface	120 120vac	Blank White	UCB-BC Butt Connector
	14 14.41 Inch	05 5W					UCB-HWJB Hard Wired Junction Box
	24 23.54 Inch	09 9W					UCB-IC36 Inter-connect 36"
	35 35.28 Inch	14 14W					UCB-IC12 Inter-connect 12"
	46 46.62 Inch	18 18W					UCB-IC6 Inter-connect 6"
	58 58.62 Inch	22 22W					UCB-PC Power Cable

	Fixture Qty																				Total Wattage
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
UCB0903SW-120	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	180
UCB1405SW-120	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	270
UCB2409SW-120	9	18	27	36	45	54	63	72	81	90	99	108	117	126	135	144	153	162	171	180	450
UCB3514SW-120	14	28	42	56	70	84	98	112	126	140	154	168	182	196	210	224	238	252	266	280	630
UCB4618SW-120	18	36	54	72	90	108	126	144	162	180	198	216	234	252	270	288					810
UCB5822SW-120	22	44	66	88	110	132	154	176	198	220	242	264	286								990

MAX WATTAGE = 300W PER BRANCH CIRCUIT

Example 1;	3 x UCB0903SW-120 + 4 x UCB5822SW-120 = 97W Total Therefore one (1) branch circuit needed
Example 2;	7 x UCB5822SW-120 + 7 x UCB5822SW-120 = 308W Total Therefore two (2) branch circuits needed

Optional Extras: UCB-BC, UCB-HWJB, UCB-IC36, UCB-IC12,UCB-IC6, UCB-PC