



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

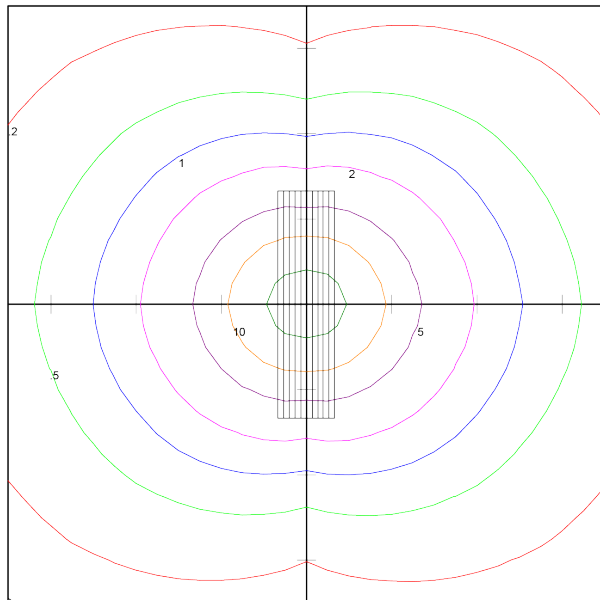
SERIES SPECIFICATIONS

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



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

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

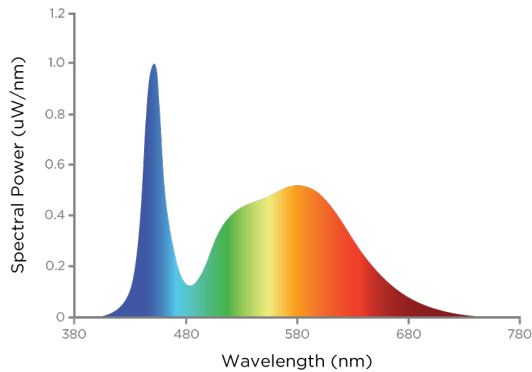
Environmental Rating(s): IP44

Certification Standards: cETLus

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

LED SPECIFICATIONS

SPD



Source Type: LED

CRI: <90

L90: 25,000 Hrs.

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

ELECTRICAL SPECIFICATIONS

Input Voltage: 120Vac

Current Draw at 120Vac: 0.0250A

THD at 120Vac(%): < 15%

Short Circuit Protection: Auto Recovery.

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

Input Frequency: 50/60 hz

Max On-Delay: < 1 S

Dimming: Triac

Driver Certifications: c-RU-us Class 2,
FCC Part 15 Class B, RoHS

Fixture Draw: 3W

Power Factor at 120Vac: 0.9575

Over Temperature Protection: Auto recovery. Current returns to normal after over temperature is removed.

PHYSICAL SPECIFICATIONS

Finish Colour: White

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

Lens Type: Frosted

Finish Type: Painted Steel

Housing Material: Steel

Entries: Polarity Protected Receptacles

Wiring: 18-3 AWG fixture cord, Max 300W per branch circuit

Lens Material: Plastic

SHIPPING INFORMATION

OrderingCode(s): UCB0903SW-120

Box Weight: 0.49 kg

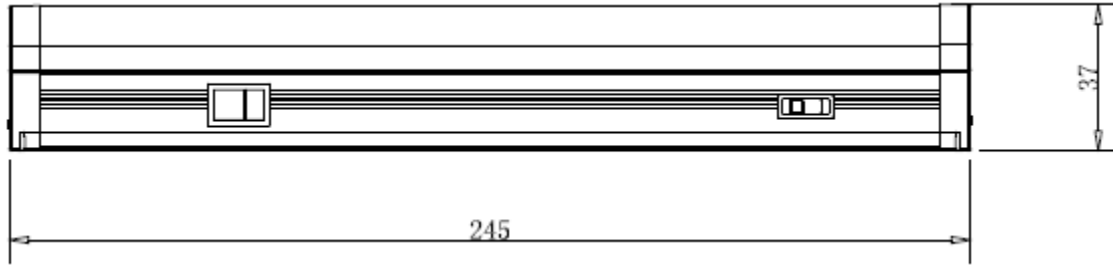
Box Quantity: 1

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

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

LINE DRAWING

Line Drawings



SERIES ARCHITECTURE

Series Architecture

UCB -											
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			

UCB Wattage Table																				
	Fixture Qty																			
	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
UCB1405SW-120	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
UCB2409SW-120	9	18	27	36	45	54	63	72	81	90	99	108	117	126	135	144	153	162	171	180
UCB3514SW-120	14	28	42	56	70	84	98	112	126	140	154	168	182	196	210	224	238	252	266	280
UCB4618SW-120	18	36	54	72	90	108	126	144	162	180	198	216	234	252	270	288				
UCB5822SW-120	22	44	66	88	110	132	154	176	198	220	242	264	286							
																				Total Wattage

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