



ST801-AL



ST802-AL

APPLICATION: For concrete use only

BODY: Galvanized steel

FACE PLATE: High-grade die-cast aluminum

Supplied standard with two 3/4" knockouts located on sides.

GASKET: Single piece molded silicon for wet location

LENS: Frosted tempered glass

FINISH: Bronze thermoset powder coat

EXTERNAL LOUVER: Anodized 45" cut-off louver

REFLECTOR: High performance aluminum reflector assembly for superb light output.

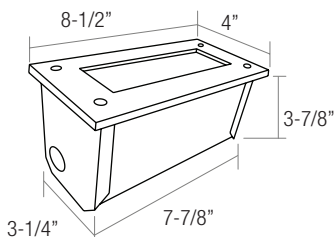
INSTALLATION: Two 1/2" NPS wiring holes

Feed through listed

BALLAST: Thermally protected, current controlled ballast, will produce full light output, increase lamp LIFE with no noise or flicker.

LISTING:

UL/ cUL for wet locations.



Ordering Example: ST8BX-LED-WW-12V-ST801-WH

HOUSING	FACE PLATE	FINISH
ST8BX-LED-WW-12V*	ST801	WH- WHITE
ST8BX-LED-CW-12V*	ST802	BZ- BRONZE
ST8BX-LED-WW-120V		AL- SATIN ALUMINUM
ST8BX-LED-CW-120V		

***MUST BE USED WITH REMOTE DRIVER**



ST7BX LED EXTERIOR STEP LIGHTS SERIES



ST701-BR



ST702-BR



ST703-BR

APPLICATION: For concrete use only

BODY: High grade die-cast aluminum with 0.3% Copper to prevent corrosion in concrete applications.

Supplied standard with three 3/4" NPS holes located on top, side & back.

FACE PLATE: High-grade die-cast aluminum

GASKET: Single piece molded silicon for wet location

LENS: Frosted tempered glass

EXTERNAL LOUVER: Anodized 45" cut-off louver

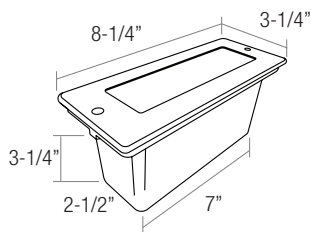
REFLECTOR: High performance aluminum reflector assembly for superb light output.

INSTALLATION: Two 1/2" NPS wiring holes Feed through listed

BALLAST: Thermally protected, current controlled ballast, will produce full light output, increase lamp life with no noise or flicker.

LISTING:

UL/ cUL for wet locations.



Ordering Example: ST7BX-LED-WW-12V-ST701-WH

HOUSING	FACE PLATE	FINISH
ST7BX-LED-WW-12V*	ST701	WH- WHITE
ST7BX-LED-CW-12V*	ST702	BZ- BRONZE
ST7BX-LED-WW-120V	ST703	SN- SATIN NICKEL
ST7BX-LED-CW-120V		AL- SATIN ALUMINUM

***MUST BE USED WITH REMOTE DRIVER**

LED STEP LIGHT

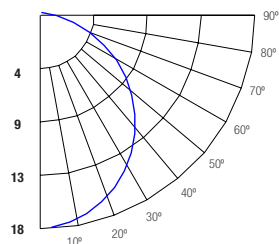
LED EXTERIOR STEP LIGHT SERIES

ST7BX-LED-WW-120V-ST701-WH

TEST NO.: **EL011971**

INPUT WATTS: **3.2** LUMENS: **39** CRI: **N/A** EFFICACY: **12** CCT: **N/A** SPACING CRITERIA: **1.38**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	4.68	11.9	11.9
0-30	9.94	25.3	25.2
0-40	16.29	41.5	41.4
0-60	29.29	74.5	74.4
0-80	37.24	94.8	94.5
0-90	38.63	98.3	98.1

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	253	359	1639
55	213	255	1596
65	175	213	1501
75	135	166	1272
85	93	123	771

Lumens Per Zone

Zone	Lumens
0-10	1.21
10-20	3.47
20-30	5.25
30-40	6.35
40-50	6.73
50-60	6.27
60-70	4.87
70-80	3.08
80-90	1.39

Candela Tabulation

0	0
0	12.824
5	11.64
15	8.89
25	5.72
35	2.4
45	1.33
55	0.91
65	0.55
75	0.26
85	0.06
90	0.03

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

ROOM CAVITY RATIO	RC		80%				70%				50%				30%				10%				0%			
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	30%	10%	50%	30%	10%	50%	30%	10%	0%	30%	10%	50%	30%	10%
0	119	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	101	98						
1	108	102	98	94	94	105	100	96	92	95	92	89	91	88	86	87	85	83	80	86						
2	98	89	82	76	76	95	87	80	74	83	77	72	79	75	70	76	72	69	66	80						
3	89	78	69	62	62	86	76	68	62	73	66	60	70	64	59	67	62	58	55	66						
4	81	69	60	53	53	79	67	59	52	64	57	51	62	55	50	59	54	49	47	55						
5	74	61	52	45	45	72	60	51	45	58	50	44	55	49	43	53	47	43	40	44						
6	69	55	46	39	39	67	54	45	39	52	44	38	50	43	38	48	42	37	35	35						
7	64	50	41	35	35	62	49	40	34	47	39	34	45	39	34	44	38	33	31	31						
8	59	45	37	31	31	57	45	36	31	43	36	30	42	35	30	40	34	30	28	28						
9	55	42	33	28	28	54	41	33	27	40	32	27	38	32	27	37	31	27	25	25						
10	52	38	30	25	25	50	38	30	25	37	30	25	36	29	24	35	29	24	22	22						

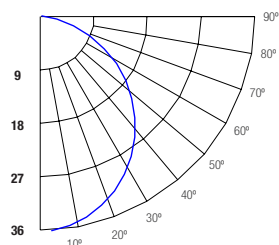
RC - Ceiling Cavity Reflectance RW - Wall Reflectance

ST7BX-LED-WW-120V-ST702-WH

TEST NO.: **EL0112214**

INPUT WATTS: **3.3** LUMENS: **102** CRI: **N/A** EFFICACY: **31** CCT: **N/A** SPACING CRITERIA: **1.38**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	13.07	12.9	12.8
0-30	27.65	27.2	27.2
0-40	45.1	44.4	44.3
0-60	79.31	78.1	78
0-80	98.7	97.1	97
0-90	100.61	99	98.9

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	4306	4401	4542
55	4111	4216	4399
65	3801	3925	4157
75	3184	3350	3630
85	2113	2252	2313

Lumens Per Zone

Zone	Lumens
0-10	3.39
10-20	9.68
20-30	14.59
30-40	17.44
40-50	17.98
50-60	16.23
60-70	12.38
70-80	7.01
80-90	1.9

Candela Tabulation

0	0
0	35.774
5	35.68
15	34.17
25	31.28
35	27.23
45	22.65
55	17.54
65	11.95
75	6.13
85	1.37
90	0.05

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

ROOM CAVITY RATIO	RC		80%				70%				50%				30%				10%				0%			
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	30%	10%	50%	30%	10%	50%	30%	10%	0%	30%	10%	50%	30%	10%
0	119	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	101	99						
1	109	104	99	96	96	105	101	97	94	97	94	91	93	90	88	89	87	85	83	83						
2	99	90	84	78	78	96	88	82	77	85	79	75	81	77	73	78	74	71	69	69						
3	90	79	71	65	65	87	78	70	64	75	68	63	72	66	61	69	64	60	58	58						
4	82	70	61	55	55	80	69	61	54	66	59	53	64	58	53	61	56	52	49	49						
5	76	63	54	47	47	73	62	53	47	59	52	46	57	51	46	55	50	45	43	43						
6	70	56	47	41	41	68	55	47	41	54	46	40	52	45	40	50	44	39	37	37						
7	65	51	42	36	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33	33						
8	60	47	38	32	32	59	46	38	32	45	37	32	43	37	32	42	36	31	29	29						
9	56	43	35	29	29	55	42	34	29	41	34	29	40	33	29	39	33	28	26	26						
10	53	40	32	26	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24	24						

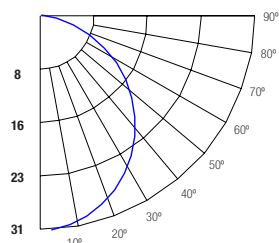
RC - Ceiling Cavity Reflectance RW - Wall Reflectance

ST7BX-LED-WW-120V-ST703-WH

TEST NO.: **EL01122126**

INPUT WATTS: **3.2** LUMENS: **74** CRI: **N/A** EFFICACY: **23** CCT: **N/A** SPACING CRITERIA: **1.38**

Candle Power Distribution (Candelas)



Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	7.37	9.9	9.9
0-30	15.64	21.1	21
0-40	25.59	34.5	34.4
0-60	46.31	62.4	62.3
0-80	62.36	84	83.9
0-90	67.38	90.8	90.7

Luminance (Average candela/M²)

Angle in Degrees	Average		
	0°	45°	90°
45	51	148	2359
55	16	56	2198
65	22	25	1950
75	47	36	1522
85	170	123	756

Lumens Per Zone

Zone	Lumens
0-10	1.91
10-20	5.46
20-30	8.27
30-40	9.95
40-50	10.52
50-60	10.21
60-70	8.97
70-80	7.08
80-90	5.02

Candela Tabulation

0	0
0	20.155
5	17.01
15	11.25
25	5.67
35	1.01
45	0.27
55	0.07
65	0.07
75	0.09
85	0.11
90	0.13

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

ROOM CAVITY RATIO	RC		80%				70%				50%				30%				10%				0%			
	RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	30%	10%	50%	30%	10%	50%	30%	10%	0%	30%	10%	50%	30%	10%
0	117	117	117	117	117	113	113	113	113	106	106	106	100	100	100	94	94	94	94	91						
1	104	98	93	88	88	100	95	90	86	89	85	80	83	80	77	78	76	73	71	71						
2	94	84	77	70	70	90	82	75	69	77	71	65	72	67	63	67	63	60	57	57						
3	85	73	64	57	57	82	71	63	56	67	60	54	63	57	52	59	54	50	47	47						
4	78	65	55	48	48	74	63	54	47	59	51	45	55	49	44	52	47	42	40	40						
5	71	58	48	41	41	68	56	47	40	53	45	39	50	43	38	47	41	36	34	34						
6	66	52	42	36	36	63	50	41	35	47	40	34	45	38	33	42	36	32	30	30						
7	61	47	38	31	31	58	45	37	31	43	35	30	41	34	29	39	33	28	26	26						
8	56	43	34	28	28	54	41	33	27	39	32	27	37	31	26	35	30	25	23	23						
9	53	39	31	25	25	51	38	30	25	36	29	24	34	28	23	33	27	23	21	21						
10	49	36	28	22	22	48	35	27	22	33	26	22	32	26	21	30	25	21	19	19						

RC - Ceiling Cavity Reflectance RW - Wall Reflectance