



## PRODUCT SPECIFICATION

The ST series is designed for use in all levels of security facilities and high abuse applications.

**Mounting**

Surface-mounts to ceilings.

**Housing**

Die-formed cold rolled steel with seams welded and ground smooth. Stainless steel available.

**Door**

One piece, die-formed cold rolled steel door with 14 gauge lens retainers and a full length welded pin piano hinge. Stainless steel available.

**Internal Lens**

Optic Plus lens (standard) completely hides diode image while providing minimum 95% light transmission.

**Finish**

Polyester powder-coated after phosphate pretreatment for superior adhesion and corrosion resistance. Brushed stainless steel available.

**Hardware**

Recessed, stainless steel, tamper-proof fasteners.

**Driver**

0-10Vdc dimming, Range 1%-100%, Factory programmable -40C Min. starting temperature, 0.9 PF, >20% THD

**Wiring**

Driver provided with pre-wired 3-wire self-aligning input power quick disconnect and 2-wire quick disconnect to LED module.

**Certifications**

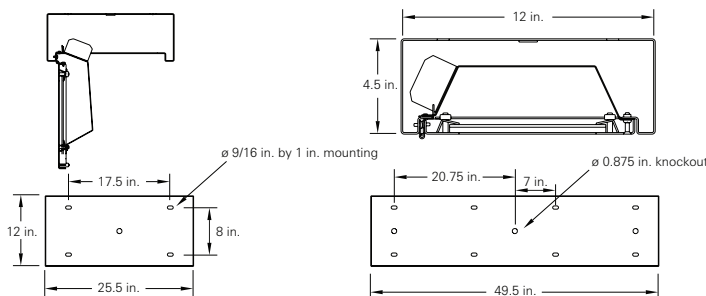
UL Listed damp or wet location. IP54 rated. Covered ceilings only.

Job Name \_\_\_\_\_

Fixture Type \_\_\_\_\_

Catalog No. \_\_\_\_\_

Approval \_\_\_\_\_ Date \_\_\_\_\_



ST	[ ]	-	[ ]	[ ]	-	[ ]	[ ]	[ ]	-	[ ]	[ ]	-	[ ]	[ ]	-	[ ]	[ ]	[ ]	-	[ ]
	one		two	three		four	five	six		seven	eight		nine	ten		eleven	twelve	thirteen		fourteen

<b>one</b>	<b>Luminaire Size</b>	<b>seven</b>	<b>Voltage</b>	<b>eleven</b>	<b>Door Fasteners</b>
2	2 ft fixture	120	120 V, 60 Hz	AP	Stainless steel allen head with pin
4	4 ft fixture	277	277 V, 60 Hz	TP	Stainless steel torx head with pin
<b>two</b>	<b>LED Rows</b>	VAR	Variable, 120-277 V, 50/60Hz	PH	Phillips head, non-security
1L	One	<b>eight</b>	<b>Driver</b>	<b>twelve</b>	<b>Electrical Access</b>
2L	Two	DM	0-10Vdc Dimming, <u>standard</u>	A	2.250 in. diameter access hole
3L	Three	<b>nine</b>	<b>Internal Lens</b>	K	0.875 in. diameter knockout(s), <u>std</u>
<b>three</b>	<b>Color Temperature</b>	122	Optic Plus LED diffusing acrylic lens, <u>std</u>	<b>thirteen</b>	<b>UL Listing</b>
30	3000K	53	.125 in. K12 prismatic acrylic	D	Damp Location
35	3500K	12	.125 in K12 prismatic polycarbonate	W	Wet Location
40	4000K	15	.156 in. K12 prismatic polycarbonate	<b>fourteen</b>	<b>Options</b>
50	5000K	16	.187 in. K12 prismatic polycarbonate	SO	Specified output*
<b>four</b>	<b>Material Gauge</b>	75	.156 in. C73 prismatic tempered glass	2C	Two-circuit wired
N	18 gauge, minimum security	<b>ten</b>	<b>External Lens</b>	CU	Canadian UL Listing
D	16 gauge, medium security	30	.187 in. clear polycarbonate	EM	Emergency battery backup
X	14 gauge, maximum security	32	.250 in. clear polycarbonate	FH	Fuse and holder
U	12 gauge, ultra maximum security	36	.375 in. clear polycarbonate	NL-LED	Night light, LED** (Amber available)
<b>five</b>	<b>Material</b>	38	.500 in. clear polycarbonate	IMS	5-100% <u>Adjustability</u>
C	Cold rolled steel	90	.187 in. clear tempered glass		Integral Occ Sensor
S	Stainless steel	92	.250 in. clear tempered glass		
<b>six</b>	<b>Finish</b>	96	.375 in. clear tempered glass		
R	Brushed stainless steel				
W	White				

\*Indicated as SO(xx/xxxx). Specified output, Input watts / delivered lumens to be determined based on specified requirements.

\*\* Field adjustable LED Night Night from approximately 250 - 500 Lumens.

Modifications are available to meet custom requirements. Specifications and dimensions are subject to change without notice.

Photometric Data for a 1x4 fixture with three rows (Full Output)

Lumens	Input Watts	Lumens / Watt	CCT	CRI	LED Life
18110	164.3 watts	110	4000K	>80	>100,000

Photometric Data for a 1x2 fixture with three rows (Full Output)

Lumens	Input Watts	Lumens / Watt	CCT	CRI	LED Life
9055	82.2 watts	110	4000K	>80	>100,000

Coefficients of Utilization - Zonal Cavity Method (ST-LED 1x4)

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50			30			10				0
	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0	
RW %:	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00	
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00	
1	1.10	1.05	1.01	.98	1.07	1.03	.99	.86	.99	.96	.93	.95	.92	.90	.91	.89	.88	.86	
2	1.00	.92	.86	.80	.97	.90	.84	.73	.87	.82	.78	.84	.79	.76	.81	.77	.74	.72	
3	.91	.81	.73	.67	.89	.80	.72	.63	.77	.71	.65	.74	.69	.64	.72	.67	.63	.61	
4	.84	.72	.64	.57	.82	.71	.63	.54	.69	.62	.56	.66	.60	.55	.64	.59	.55	.53	
5	.77	.65	.56	.50	.75	.64	.55	.48	.62	.54	.49	.60	.53	.48	.58	.52	.48	.46	
6	.71	.58	.50	.43	.70	.58	.49	.42	.56	.48	.43	.54	.48	.43	.53	.47	.42	.40	
7	.66	.53	.45	.39	.65	.52	.44	.37	.51	.43	.38	.49	.43	.38	.48	.42	.38	.36	
8	.62	.49	.40	.34	.60	.48	.40	.34	.47	.39	.34	.45	.39	.34	.44	.38	.34	.32	
9	.58	.45	.37	.31	.56	.44	.36	.30	.43	.36	.31	.42	.35	.31	.41	.35	.31	.29	
10	.54	.41	.33	.28	.53	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.28	.26	

ST-LED - Polar Candela Distribution (ST-LED 1x4)

ST-LED - Polar Candela Distribution (ST-LED 1x2)

