



TCP Select Series LED Area Light Owner's Manual

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TCP

Select Series
LED Area Light
Product Specifications



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Select Series LED Area Light

TCP's Select Series LED Area Light features a modern, lightweight design with tool-less driver compartment clips resulting in an easier and faster installation. The durable, 3G tested, luminaire construction provides bright, uniform light while maintaining a zero uplight BUG rating, allowing for Dark Sky Conformance. An energy efficacy of up to 165 LPW combined with a 50,000 hour rated life significantly decreases energy, maintenance, labor and material costs over the life of the fixture – perfect for utility rebate programs.

Reasons to choose the Select Series LED Area Light from TCP

- Uses up to 80% less energy than traditional HID
- Long 50,000 hour rated life minimizes replacement and labor costs
- Factory installed 7-pin NEMA photocontrol receptacle with shorting cap included
- Easy-to-install mounting accessories available for various mounting options
- Mercury-free construction is great for all environments
- IP65 Rated – suitable for outdoor installation
- Lightweight and low Effective Projected Area (EPA) reduces stress on existing poles
- Dark Sky Conformance: Full cutoff fixture results in zero uplight emission
- Tool-free access to electrical compartment for easy field maintenance

Ideal Applications

- HID Shoebox Replacements
- Shopping Malls
- Parking Lots and Parking Garage Top Level
- Walkways
- Stadium Lots
- Dark Sky Applications
- Campuses
- Auto Dealerships

Specifications

Input Line Voltage	120-277
Input Line Frequency (Hz)	50/60HZ
Lumens:	
SW2	17,000/25,500/34,000L
SW4	34,000/41,000/51,000L
Wattage:	
SW2	100/150/200W
SW4	200/240/300W
Lumens per Watt (LPW)	170 LPW
Color Temperature (CCT)	Selectable 3000K/4000K/5000K
Rated Life	50,000 hours
Controls	NEMA 3-pin & 7-pin Photocontrol Receptacle options available
Operating Temperature	–40°C to 50°C
CRI	80
Power Factor	>0.9
Surge Protection	10KV (120-277V), 20KV (277-480V)
THD	<20%
Ratings	UL/cUL, IP65 Wet Location rated



Warranty

Five year limited warranty against defects in manufacturing

Replacement Strategy

TYPE	WATTAGE*	ENERGY SAVINGS (%)
TCP Area Light SW2 – 17,000 Lumens	100W	—
250W Metal Halide 400W Metal Halide	250W 400W	60% 75%
TCP Area Light SW2 – 22,500 Lumens	150W	—
250W Metal Halide 400W Metal Halide	250W 400W	40% 63%
TCP Area Light SW2/SW4 – 34,000 Lumens	200W	—
400W Metal Halide 1000W Metal Halide	400W 1000W	50% 80%
TCP Area Light SW4 – 41,000 Lumens	240W	—
400W Metal Halide 1000W Metal Halide	400W 1000W	40% 76%
TCP Area Light SW4 – 51,000 Lumens	300W	—
400W Metal Halide 1000W Metal Halide	400W 1000W	25% 70%



Actual wattage may differ by +/- 5%, when operating between 120-277V +/- 10%.

NOTE: Charts show system lumens (delivered lumens), NOT straight lamp lumen output. This is calculated as follows:

*System lumens = mean lumens x # lamps x ballast factor x luminaire efficiency factor

Applications

TCP's Select Series LED Area Lights feature a low profile, 3G vibration rated design that delivers a bright, uniform light while saving energy over traditional HID sources. Maintenance costs are virtually eliminated over their long-rated life. Applications include parking lots, walkways, auto dealerships, campuses and other public areas.

Construction

- Visually appealing slim, low-profile design
- Flat top design promotes self cleaning during rain events
- Heavy duty die-cast aluminum housing
- Durable UV stabilized powder coat finish
- Many optional mounting accessories available (see page 6)

Electrical

- Accepts 120-277V or 277-480V
- NEMA 7-pin photocontrol receptacle with shorting cap included
- System rated for long 50,000 hour rated life
- cULus wet location rated
- 10KV (120-277V) and 20KV (277-480V), surge suppression comes standard

Optics

- Durable acrylic optics resist yellowing
- Distribution Type III standard, Types IV and V optional
- Optics can be rotated to satisfy complex applications. See next page for more details



Listings

cULus Listed – wet location rated

RoHS Compliant

IP65 Rated 3G Vibration Rated

Installation

Surface or pole mounted Before installation, please consult your local ordinances and building codes for compliance

Warranty

Five year, 50,000 hour limited warranty against defects in manufacturing*

*10 year limited warranty available for an additional fee

Catalog Ordering Matrix							
FAMILY	VOLT AGE	DIMMIN G	LUMENS PACKA GE1 (WATTAGE) 2	DISTRIBUT ION	COLOR TEMP ERATURE	COLO R3	CONTROL OPTION
SELECTABLE WATTAGE WITH SELECTABLE COLOR							
SAL – Selectable Area Light	U – 120-277V	ZD – 0-10V Dimming	SW2 – 17,000/25,500/34,000L (100/150/200W) SW4 – 34,000/41,000/51,000L (200/240/300W)	T2 – Type 2 Distribution T3 – Type 3 Distribution T4 – Type 4 Distribution T5 – Type 5 Distribution	CCT – 3000/4000/5000K Selectable	Blank – Bronze WH – White BK – Black	Blank – No Added Control MS – PIR/Daylight Sensor
SINGLE WATTAGE WITH SELECTABLE COLOR							
SAL – Selectable Area Light	U – 120-277V	ZD – 0-10V Dimming	100 – 100W (17,000L) 150 – 150W (25,500L) 200 – 200W (34,000L) 210 – 210W (35,500L) 240 – 240W (41,000L) 300 – 300W (51,000L)	T2 – Type 2 Distribution T3 – Type 3 Distribution T4 – Type 4 Distribution T5 – Type 5 Distribution	CCT – 3000/4000/5000K Selectable	Blank – Bronze WH – White BK – Black	Blank – No Added Control MS – PIR/Daylight Sensor P3 – 3 Pin Photocontrol P7 – 7 Pin Photocontrol

Approximate lumen output. Actual performance may vary based on CCT, options selected and end user application.

Actual wattage may differ by +/-10%.

Bronze is the standard color, other colors are special order only. Extended lead times apply.

Field Installed Accessories

4INPOLEREDUCER	4" Pole Reducer
5INPOLEREDUCER	5" Pole Reducer
SALSHIELD1	Backlight Shield for SW2 lumen packages
SALSHIELD2	Backlight Shield for SW4 lumen packages
PC3UNDBU	3 Pin ON/OFF only photocontrol for use with 120-277V applications
PC7UDIMBU	7 Pin ON/OFF + daylight harvest photocontrol for use with 120-277V applications
PC3HNDBU	3 Pin ON/OFF only photocontrol for use with 347-480V applications
PC7HDIMBU	7 Pin ON/OFF + daylight harvest photocontrol for use with 347-480V applications

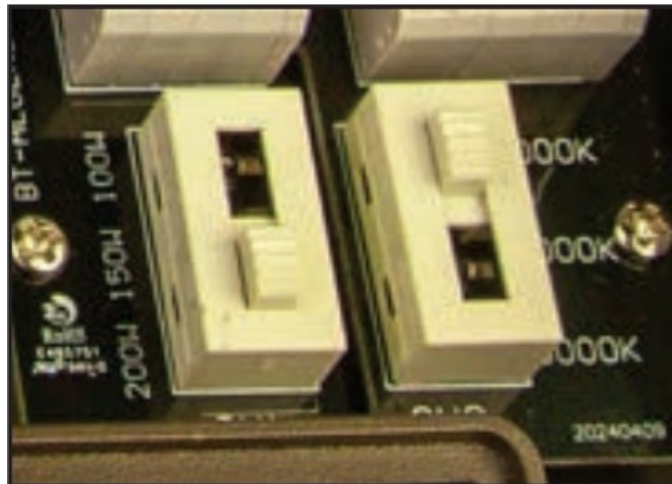
Area Light with Backlight Shield installed



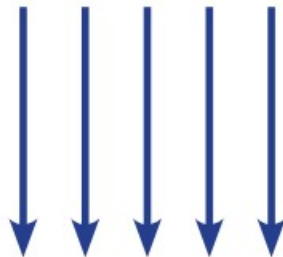
Tool-less Maintenance



The Area Light features clips on the rear of the fixture to close the electrical compartment. These clips open and close without the need for tools, making maintenance and repairs in the field simple. Internal wattage and color temp switch.



Dark Sky Conformance



The Area Light emits zero light above 90° and allows for conformance to the International Dark Sky Association's fully shielded light source requirement. This does not include incidental light reflections.

Mounting Accessories



SALSIPFITTER

This cast aluminum slipfitter mount secures the luminaire to horizontal arm or vertical tenon. This mount can also be applied directly to the wall.



SALTRUNNION

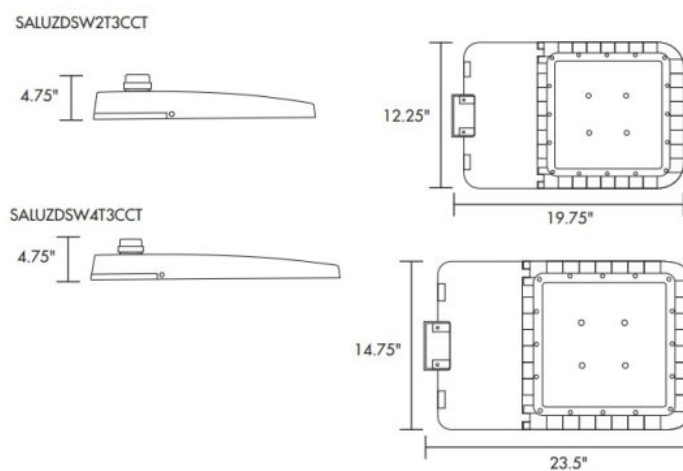
This trunnion mount accessory allows for wall mounting with a flexible angle adjustment.



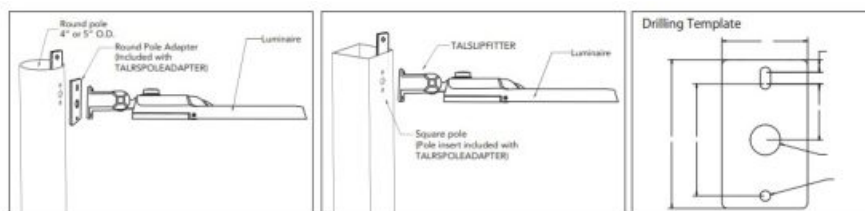
SALRSPOLEADAPTER

This round or square pole mount kit is designed to mount to the side of a round or square pole. This can be used with 4" or 5" square or round poles.

Dimensions



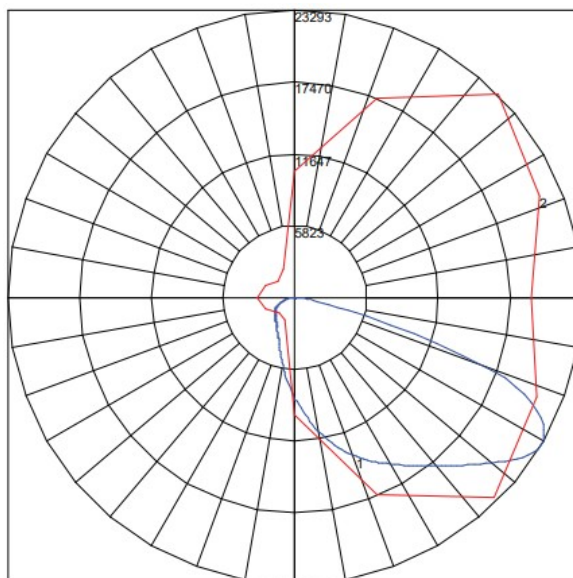
Mounting Diagrams



Photometric Report

Photometric data taken from SALUZDSW4T3CC

Polar Graph



Maximum Candela = 23293 Located At Horizontal Angle = 45, Vertical Angle = 59

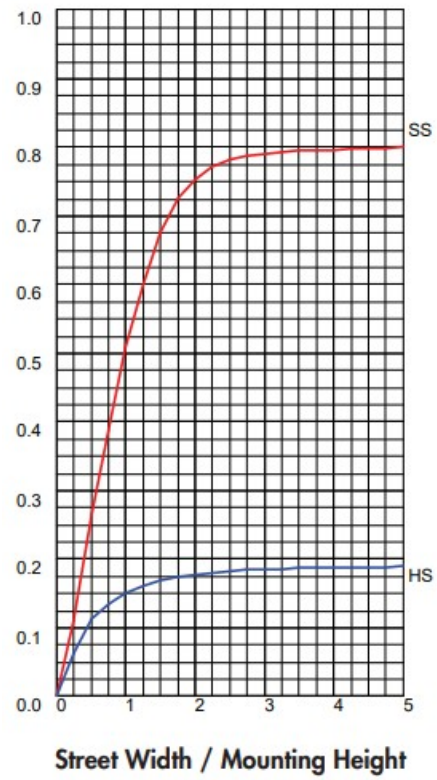
1 – Vertical Plane Through Horizontal Angles (45 – 225) (Through Max. Cd.)

2 – Horizontal Cone Through Vertical Angle (59) (Through Max. Cd.)

Characteristics

IES Classification	Type III
Longitudinal Classification	Short
Lumens Per Lamp	44033 (1 lamp)
Total Lamp Lumens	44033
Luminaire Lumens	43723
Downward Total Efficiency	99%
Total Luminaire Efficiency	99%
Luminaire Efficacy Rating (LER)	155
Total Luminaire Watts	281.687
Ballast Factor	1
Upward Waste Light Ratio	0
Maximum Candela	23293
Maximum Candela Angle	45H 59V
Maximum Candela (<90° Vertical)	23293
Maximum Candela Angle (<90° Vertical)	45H 59V
Maximum Candela at 90° Vertical	0 (0.0% Lamp Lumens)
Maximum Candela from 80° to 90° Vertical	1917.6 (4.4% Lamp Lumens)
Cutoff Classification (deprecated)	Full Cutoff

Coefficients of Utilization



FLUX DISTRIBUTION

	Lumens	Percent of Lamp
Downward Street Side	35334.3	80.2
Downward House Side	8388.9	19.1
Downward Total	43723.2	99.3
Upward Street Side	0	0
Upward House Side	0	0
Upward Total	0	0
Total Flux	43723.2	99.3

Luminaire Classification System (LCS)

	Lumens	% Lamp	% Luminaire
FL – Front-Low (0-30)	5432.1	12.3	12.4
FM – Front-Medium (30-60)	20539.3	46.6	47.0
FH Front-Height (60-80)	9162.4	20.8	21.0
FVH Front-Very High (80-90)	200.5	0.5	0.5
BL – Back-Low (0-30)	2121.0	4.8	4.9
BM – Back-Medium (30-60)	4232.3	9.6	9.7
BH – Back-High (60-80)	1914.8	4.3	4.4
BVH – Back-Very High (80-90)	120.8	0.3	0.3
UL – Uplight-Low (90-100)	0.0	0.0	0.0
UL – Uplight-High (100-180)	0.0	0.0	0.0
Total	43723.2	99.2	100.00
BUG Rating	B3-U0-G4		

TECHNOLOGY CAST IN A BEAUTIFUL LIGHT

For over 30 years, TCP has been designing, developing and delivering energy-efficient lighting into the market. Thanks to our cutting-edge technology and manufacturing expertise, we have shipped billions of high-quality lighting products. With TCP, you can count on a lighting product that is designed to meet the needs of the market, that transforms your surroundings and envelopes you in warmth. Lighting that generates beauty with every flip of the switch.

TCP

TCP®

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5 YEAR
WARRANTY

Documents / Resources



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Select Series LED Area Light, Select Series, LED Area Light, Area Light

References

- [User Manual](#)

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