



Horticulture LED Area Light

Product Specifications



The TCP LED HTAL Series Horticulture Area Light features a lightweight design to support both the flowering and growth stages of plant development. This durable, 50°C rated fixture efficiently delivers up to 583 $\mu\text{mol/s}$ of photosynthetic photon flux while maximizing energy savings due to an efficacy of up to 2.61 $\mu\text{mol/J}$. The long 50,000 hour rated life significantly decreases maintenance, labor, and material costs over the life of the fixture.

Reasons to choose the LED HTAL Series Horticulture Area Light from TCP

- High efficacy: up to 2.61 $\mu\text{mol/J}$
- Powerful 583 $\mu\text{mol/s}$ photosynthetic photon flux
- Instant on, no warm-up time for full light
- Long life: 50,000 hours
- Lightweight and low Effective Projected Area (EPA) reduces stress on existing poles
- IP65 rating prevents dirt and grime buildup behind fixture lens

Ideal Applications

- Outdoor Production Lighting
- Supplemental Growth Lighting
- Field and Crop Lighting



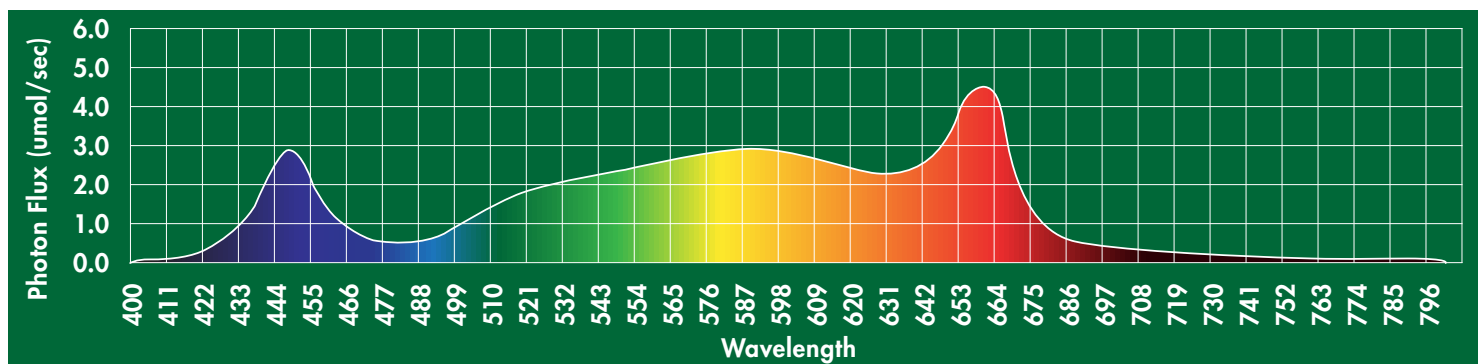
Horticulture LED Area Light

Specifications

Input Line Voltage	120-277 VAC
Input Line Frequency (Hz).....	50/60HZ
Wattage (W).....	240W
Photosynthetic Photon Efficacy (PPF).....	$\leq 2.61 \mu\text{mol/J}$
Rated Life.....	50,000 hours
Minimum Starting Temperature	-40°C (-40°F)
Maximum Operating Temperature.....	50°C (122°F)
Power Factor	>0.90
THD.....	<20%
Ratings	cULus wet location rated, IP65
Controls.....	0-10V dimming (standard)



All Purpose Growth Spectrum



TCP's full spectrum technology provides a balanced blend of blue, green and red light to ensure plants grow healthy and strong. The distinct red peak at 660nm results in a powerful photosynthesis contribution. A blue peak shown at 440nm reduces unwanted stem elongation and leads to strong, healthy, and compact plants. Lastly, TCP's full spectrum includes a generous amount of green light, removing any need for green supplemental lighting when checking plant health.



Horticulture LED Area Light

Applications

TCP's Horticulture 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 outdoor plant growth settings where supplemental lighting is needed.

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

Electrical

- Accepts 120-277V or 277-480V
- NEMA 3-pin & 7-pin photocontrol receptacle options available
- System rated for long 50,000 hour rated life
- cULus wet location rated
- 10KV (120-277V) and 20KV (277-480V), surge suppression comes standard

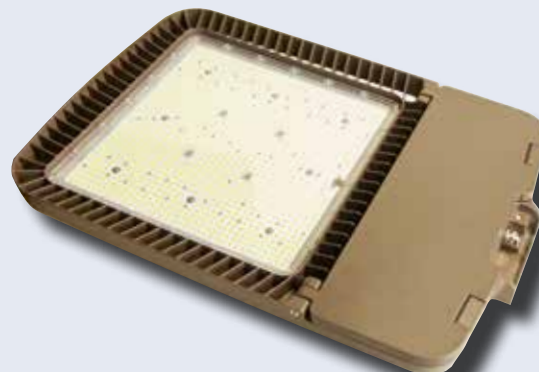
Optics

- Durable acrylic optics resist yellowing

Item Number

Notes

Type



Listings

UL/cUL Listed
RoHS Compliant

Warranty

Five year limited warranty against defects in manufacturing.

Catalog Ordering Matrix Example: HTALUZDG4S1

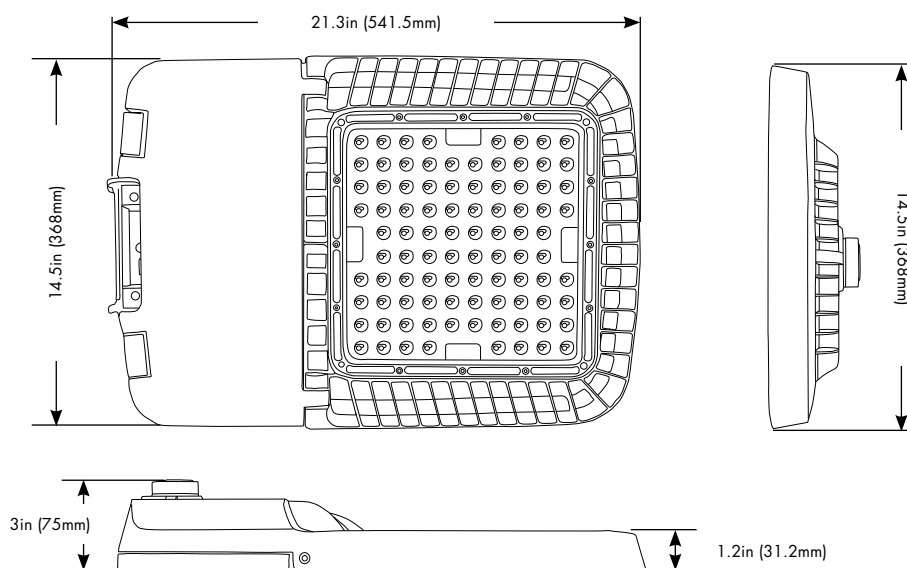
FAMILY	VOLTAGE	CONTROLS/DIMMING	LUMEN PACKAGE	SPECTRUM
HTAL - Horticulture Area Light	U - 120-277V H - 347/480V	ZD - 0-10V Dimming	G4 - 30,200 Lumens (240W)	S1 - Full Spectrum

Accessories:

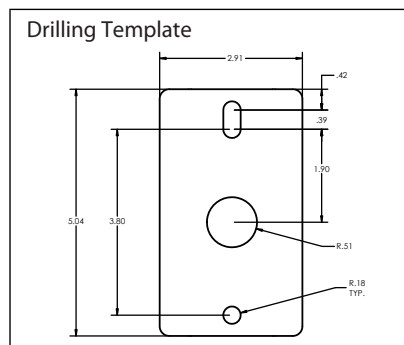
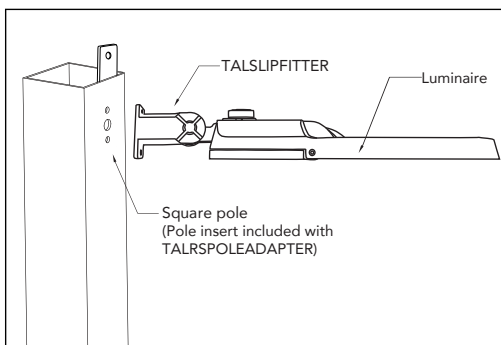
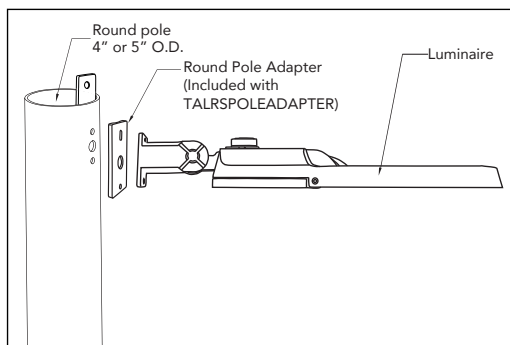
FIELD INSTALLED ACCESSORIES:	
4INPOLEREDUCER	4" Pole Reducer
5INPOLEREDUCER	5" Pole Reducer
TALSHIELD2	Backlight Shield
PC3UNDBU	3 Pin ON/OFF only photocontrol for use with 120-277V applications
PC7UDIMBU	7 Pin ON/OFF + daylight harvest photocontrol for use with 120-277V applications
PC3HNDDBU	3 Pin ON/OFF only photocontrol for use with 347-480V applications
PC7HDIMBU	7 Pin ON/OFF + daylight harvest photocontrol for use with 347-480V applications

For the most up-to-date specs and warranty information, please visit www.tcpi.com

Product Dimensions



Mounting Diagrams



TECHNOLOGY CAST IN A BEAUTIFUL LIGHT

For over 20 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.

Sales:

Date:

Model:

Project:

Rep:

Catalog Number:

Type:

Notes:



For more information on the quality and care TCP can deliver, call us at **800.324.1496** or visit tcpi.com

325 Campus Dr. | Aurora, Ohio 44202 | P: 800.324.1496 | F: 877.487.0516