



CONTRACTOR:	
PROJECT:	DATE:
PREPARED BY:	MODEL#: TAHLED

DESCRIPTION



TAHLED SERIES

The TAHLED series highbay is a high-temp, high-output aluminum high bay with premium features and BAA compliance.



FEATURES AND SPECIFICATIONS

Construction

Aluminum body with galvanized steel secondary components. BAA compliant.

Finish: Paint after fabrication (PAF) of galvanized body adds high resistance to rust over its lifetime. This also eliminates sharp edges on the body.

Electrical

120v-277v standard. 70% lumen maintenance at >60,000 hours; predicted life of more than 100,000 hours. Long-life LEDs PCB mounted, coupled with high-efficiency drivers, provide extended service life. Thermally protected driver standard.

Dimming

LED drivers deliver dimming from a 0-10V control signal. Requires separate 0-10V DC dimming circuit. Dims down to 0% light output.

Installation

This fixture includes a 10' suspension kit. Optional surface mounting and pendant mounting kits can be purchased separately.

Listings

UL listed to US and Canadian safety standards. For use in ambient operating temperatures ranging from -4°F to 122°F.

Fixture is Buy American Act (BAA) compliant.

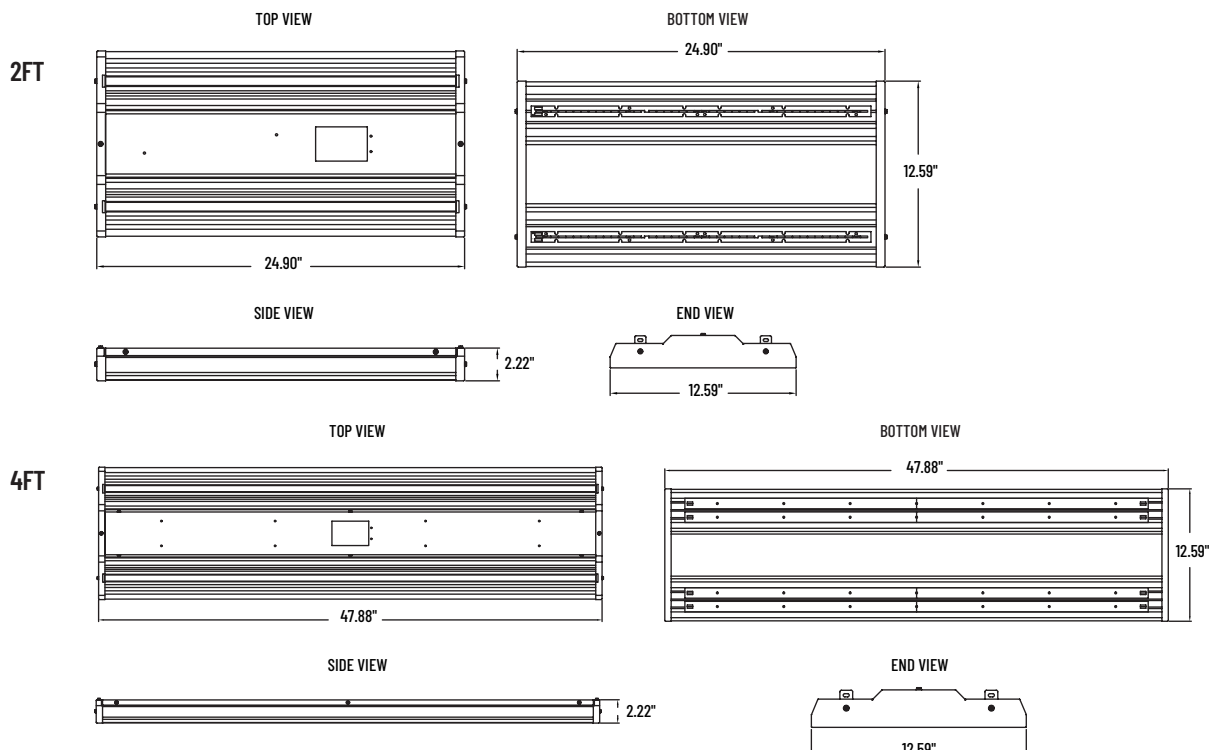
Warranty

Guaranteed for five years from the purchase date of the product, against mechanical defects in manufacturing.

IMPORTANT: In order to maintain proper operation and warranty coverage for units with Emergency back up, the battery must be recharged once per year prior to installation.

NOTE: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

LINE DRAWING



APPLICATION AND PERFORMANCE SPECIFICATION IS SUBJECT TO CHANGE WITHOUT NOTIFICATION



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ORDERING INFORMATION

EXAMPLE: TAHLED2-130DL840

SERIES	SIZE & LUMEN OUTPUT	VOLTAGE	CRI	COLOR TEMP	OPTIONS	EMERGENCY	FINISH
[TAHLED2] : 2ft	[-130]: 13,000Lm [-200]: 20,000Lm [-240]: 24,000Lm [-300]: 30,000Lm	[D]: 120-277 VAC [E]: 277-480 VAC*	[L8]: CRI+/-85	[40]: 4000K [50]: 5000K	[HT]: High Temp*** [OS]: Microwave Sensor [W6-3]: Flex Whip-6' 3 Wire**** [WC6-515]: Cord-6'SJ-515 Plug****	[Blank]: No Option [-EM]: 10% Emergency back-up*	[Blank]: White [BK]: Black** [GY]: Grey** [RAL]: Custom Color**
[TAHLED4] : 4ft	[-130]: 13,000Lm [-200]: 20,000Lm [-360]: 36,000Lm [-400]: 40,000Lm [-500]: 50,000Lm [-700]: 70,000Lm						

*Option only available on TAHLED4 (4FT) at this time.

**MOQ Required- Please contact factory for details.

***Not available on Lumen Packages exceeding 30,000Lm. Maximum Ambient Temperature rating of 140°F.

****Additional whip, cord and plug configurations available please consult factory.

Higher Lumen and High Temperature options available upon request - Please contact factory for details.

LIGHTING SPECIFICATIONS

SERIES	DELIVERED LUMENS	LPW	POWER CONSUMPTION (WATTS)	VOLTAGE	CRI	L70 (HOURS)
TAHLED2-130	12,086	159	76	120-277v	85	70,000
TAHLED2-200	20,922	156	134	120-277v	85	70,000
TAHLED2-240	24,073	155	155	120-277v	85	70,000
TAHLED2-300	30,000	145	207	120-277v	85	70,000
TAHLED4-130	13,048	171	76	120-277v	85	70,000
TAHLED4-200	22,582	168	134	120-277v	85	70,000
TAHLED4-360	34,381	168	204	120-277v	85	70,000
TAHLED4-400	42,631	142	319	120-277v	85	70,000
TAHLED4-500	49,450	133	370	120-277v	85	60,000
TAHLED4-700	68,463	123	556	120-277v	85	60,000



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ACCESSORIES



Suspension Cables:
10' Suspension Kit
TAMGRIP-10FT-KIT (0553-3296)

Single point suspension that allows two point to be suspended using one fastener. Two legs improve center of gravity and increases stability. Ideal for services that require maintenance.
INCLUDED.



Sensor:
Occupancy Sensor
SNSR-MC601V (0635-8968)

Microwave motion sensor detects movement and offers a wide range of options. **OPTIONAL**

Factory Settings:
Detection area: 50%
Hold time: 20min
Stand-by Period: 0s (Disabled)
Stand-by dim level: 10%
Daylight Sensor: Disable

For specific settings, see below-
Please contact factory for more details.
OPTIONAL.



Mounting Kit:
TAHLED Surface Mount Kit
TAHLED-SMK (0687-7515)

Surface mount brackets allow fixture to be mounted directly to ceiling or wall.
SOLD SEPARATELY.



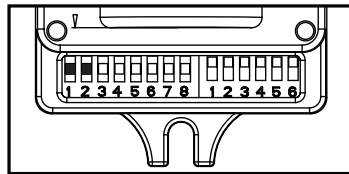
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MICROWAVE SENSORS

Each combination of DIP Switches can be toggled based on the charts below to achieve desired settings.

Microwave sensors operate on the principle of the Doppler effect, where the wavelength of microwave radiation changes due to relative motion of the wave source and detected. The faster the motion, the greater the frequency. The frequency difference between transmitting and receiving, caused by the Doppler effect, is known as the Doppler shift. The microwave motion sensor controls the lamp's ON-OFF or dimming by interpreting these Doppler shifts. For new installation environments, it is recommended to initially install and test 5 prototype units before proceeding with bulk installation.

		1	2	
ON ↑ 	I	ON	ON	100%
	II	ON	-	75%
	III	-	ON	50%
	IV	-	-	10%

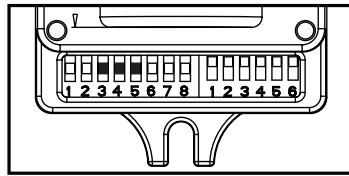


Detection Area (Sensitivity)

Factory Default: 50%

Detection Area, or Sensitivity is influenced by the speed and size of a moving object relative to the mounting height and angle of the sensor. Reflective materials can cause inaccurate readings resulting in the sensor falsely detecting. Because of this it is recommended that 5 units be installed in a space before the bulk of the installation, and the sensitivity be lowered as needed.

		3	4	5	
ON ↑ 	I	ON	ON	ON	5s
	II	-	ON	ON	30s
	III	ON	-	ON	90s
	IV	-	-	ON	3min
	V	ON	ON	-	20min
	VI	-	-	-	+∞

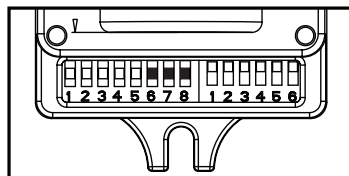


Hold Time

Factory Default: 20 Minutes

Hold Time refers to how long the fixture will remain 100% illumination after the sensor stops detecting motion. Selecting +∞ will keep the fixture at 100% illumination.

		6	7	8	
ON ↑ 	I	ON	ON	ON	0s
	II	-	ON	ON	5s
	III	ON	-	ON	5min
	IV	-	-	ON	10min
	V	ON	ON	-	30min
	VI	-	ON	-	1h
	VII	-	-	-	+∞

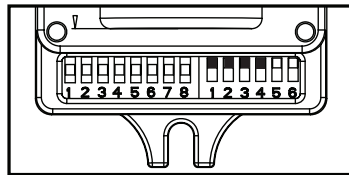


Stand-by Period

Factory Default: 0s (Disabled)

The stand-by period refers to how long the fixture will maintain the stand-by dimming level in the absence of motion. This allows the fixture to provide a lower illumination after the initial hold time expires. Selecting 0s will disable this feature while selecting +∞ will keep the fixture illuminated at the stand-by dimming level until motion is detected or power is cut to the fixture.

		1	2	3	4	
ON ↑ 	I	-	-	ON	ON	2Lux
	II	-	-	-	ON	5Lux
	III	-	ON	ON	-	10Lux
	IV	-	-	ON	-	25Lux
	V	-	ON	-	-	50Lux
	VI	ON	-	-	-	100Lux
	VII	-	-	-	-	Disable



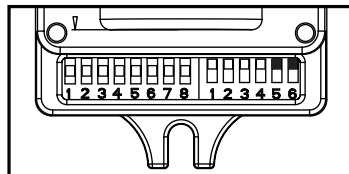
Daylight Sensor

Factory Default: Disabled

The daylight sensor refers to this sensor's ability to detect ambient lighting levels and shut the fixture off based on a predetermined light level. This is commonly referred to as Daylight Harvesting. This feature can be set based on various Lux settings ranging from 2-100 Lux as seen in the chart to the left. Selecting 'Disable' will disable all Daylight sensing features.

If you know that you need this feature enabled, please reach out to the factory about adjusting it for your bulk order.

		5	6	
ON ↑ 	I	ON	ON	50%
	II	-	ON	30%
	III	ON	-	20%
	IV	-	-	10%



Stand-by dimming level

Factory Default: 10% (Disabled via Stand-by Period)

The Stand-by dimming level refers to the percentage of illumination desired in the absence of motion. The Stand-by dimming level is triggered once the hold time is completed and by default is disabled in the factory.