



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.

Listings

UL listed to US and Canadian safety standards. Damp location listed. Fixtures are Assembled in America.

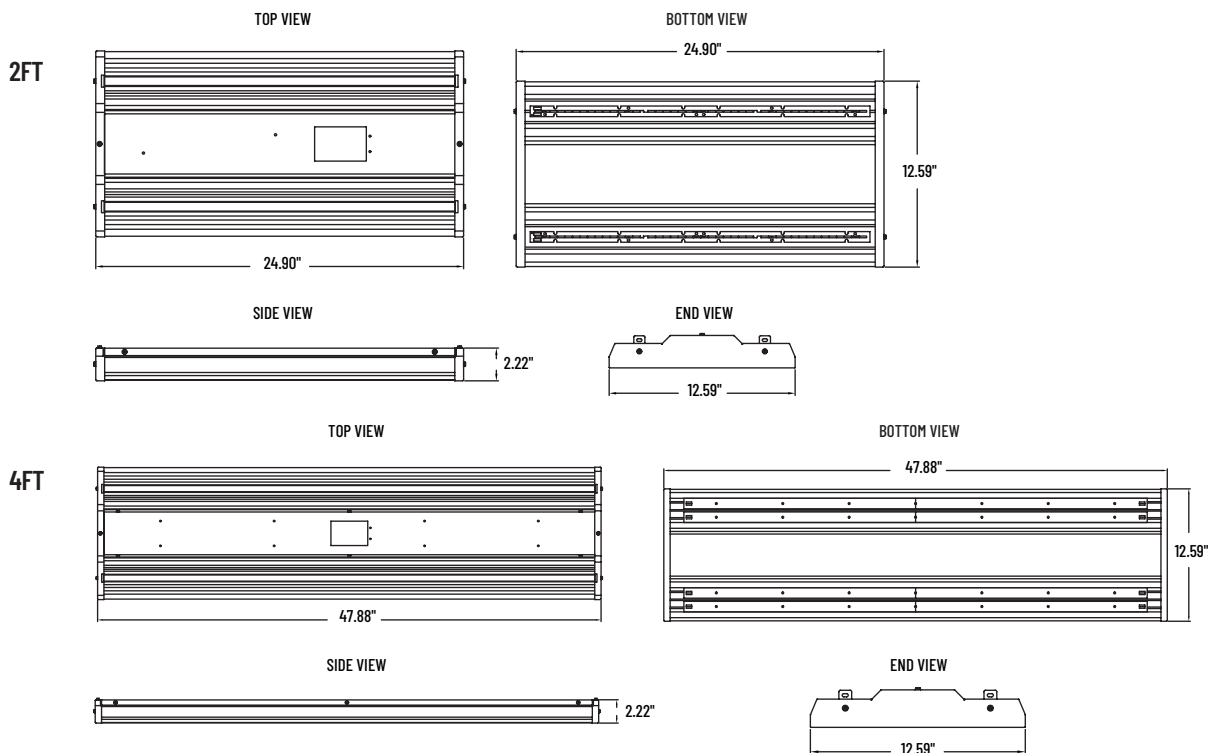
Warranty

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: TAHLED2-130D1L840

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

*MOQ Required- Please contact factory for details.
 **Ambient Temperature rating of 122°F.
 ***Additional whip, cord and plug configurations available please consult factory.
 2ft versions, external knockout sensor with EM.

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
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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PERFORMANCE SPECIFICATIONS

GENERAL DRIVER INFORMATION

ELECTRICAL SPECIFICATIONS	
Input	
Frequency Range (Hz)	50-60 Hz (+/- 10%)
Power Factor @ Full Load	>0.9
Output	
Dimming Control 0-10V	0-100%
Over Voltage Protection	YES
Over Load Protection	YES
Over Temperature protection	YES
Output Short-Circuit Protection	YES

ENVIRONMENTAL SPECS	
Ambient Operating Temperature	-4°F to 104°F
Listings	Suitable for Dry and Damp Locations

ACCESSORIES

*Accessories sold separately



V Hangers:
HB-4L-VHANGER (0392-3559)

V hangers offer stability when used with a loop cable system.



Sensor:
Occupancy Sensor
MC601V (0546-0810)

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

Factory Settings:
Detection area: 100%
Hold time: 5s
Stand-by Period: 5s
Stand-by dim level: 10%
Daylight Sensor: Disable

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



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SENSOR PROGRAMMING (CUSTOM)

FACTORY SETTING:

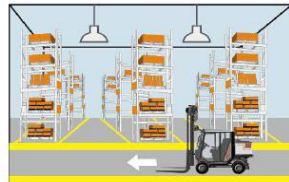
Detection area: 100%, Hold time: 5s, Stand-by Period: 5s, Stand-by dim level: 10%, Daylight Sensor: Disable

DETECTION AREA:	100%	75%	50%	10%			
HOLD TIME:	5 sec	30 sec	90 sec	3 min	20 min	Infinite	
STAND-BY PERIOD:	0 sec	5 sec	5 min	10 min	30 min	1 hour	Infinite
DAYLIGHT SENSOR:	2 lux	5 lux	10 lux	25 lux	50 lux	100 lux	Disable
STAND-BY DIM LEVEL:	50%	30%	20%	10%			

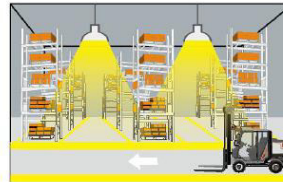
STAND-BY DIM LEVEL:

*PLEASE NOTE:
FOR ON/OFF FUNCTION
ALONE, DAYLIGHT SENSOR
MUST BE SET TO DISABLED

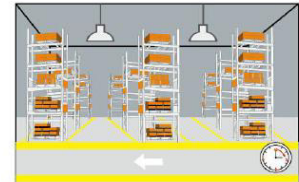
1. On-off function (Stand-by Period "0s")



1. With sufficient ambient light, the light will not be switched on even if with motion signal.

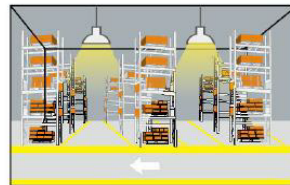


2. With insufficient ambient light, the sensor switches on the light when motion is detected.

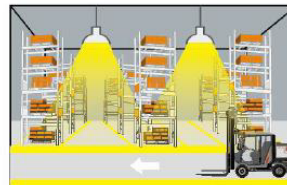


3. After elapse of hold time, the sensor switches off the light when no motion is detected.

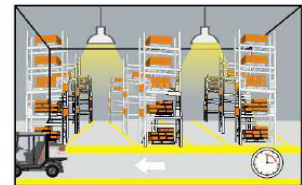
2. 2-step dimming function (Stand-by Period "+ ∞")



1. If there is no motion detected, the light will be remained at a low light level all the time.

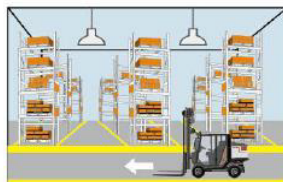


2. When motion is detected, the sensor will switch on the light to 100% brightness.

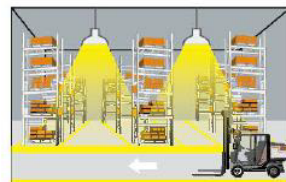


3. After elapse of hold time, the sensor dims the light at the present low light level if no motion is detected.

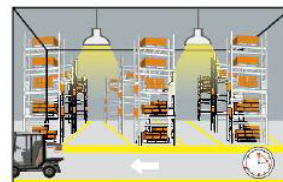
3. 3-step dimming function (Stand-by Period "5s/5min/10min/30min/1h")



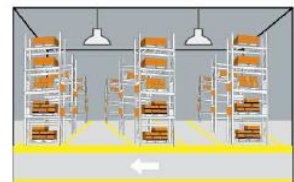
1. With sufficient ambient light, the light will not be switched on even if with motion signal.



2. With insufficient ambient light, the sensor switches on the light when motion is detected.



3. After elapse of hold time, the sensor dims the light at a low light level if no new motion is detected.



4. After elapse of standby period, the sensor switches off the light if no motion is detected in the detection zone.