TAMLITE LIGHTING

CONTRACTOR:	
PROJECT:	**DATE:**
PREPARED BY:	**MODEL#:** TAMHLX

DESCRIPTION

TAMHLX series

The TAMHLX high bays are ideal for manufacturing, warehousing, commercial and industrial facility lighting applications. The design makes it a sturdy, user friendly and easy to install high bay.

FEATURES AND SPECIFICATIONS

Intended Use
Applications include large indoor spaces for manufacturing, warehousing, commercial and industrial facility lighting applications with mounting heights ranging from 10' - 40'.

Construction
Steel housing provides high performance and unprecedented quality. Individual, pure aluminum heat sinks offers heat transmission faster than die cast steel.

Optics
Performance engineered optical lens assembly delivers unique beam angles and frosted lens option reduces glare.

Electrical
Drivers and internal components are accessible through access plate. Driver disconnect is provided where required to comply with U.S. and Canadian codes. Thermally protected driver standard. Surge protector pre-installed. 70% lumen maintenance at >50,000 hours. Long-life LEDs, coupled with high-efficiency drivers, provide extended service life. The TAMHLX delivers up to 125lm/W.

Dimming
LED drivers deliver dimming from a 0-10V control signal.

Installation
The TAMLX series comes standard with a 10ft Y-toggle suspension cable kit. Fixtures are surface mount capable with surface mount bracket (TAMHLXSRFBRKT Sold Separately).

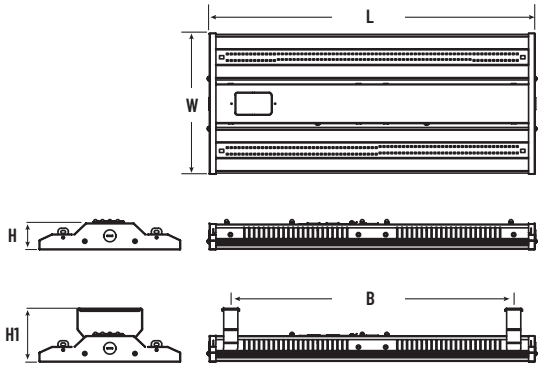
Listings
UL listed to US and Canadian safety standards. Damp location listed.
For use in ambient operating temperatures ranging from -40°C to 50°C.
DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Warranty
5-year limited warranty.

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

SERIES	L	W	H	H1	B
110W	23.62"	10.24"	2.20"	3.94"	20.47"
165W	23.62"	10.24"	2.36"	4.09"	20.47"
220W	47.24"	10.24"	2.36"	4.09"	41.34"
300W	47.24"	10.24"	2.36"	4.09"	41.34"



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ORDERING INFORMATION

SERIES	WATTAGE	CRI	COLOR TEMP	LENS
TAMHLX	[110W] : 110 Watts	[8] : CRI±80	[50] : 5000K	[C] : Clear Lens
	[165W] : 165 Watts			
	[220W] : 220 Watts			
	[300W] : 300 Watts			

PERFORMANCE SPECIFICATIONS

Series	Lumens	LPW	Max Wattage
TAMHLX110W	13800	125	110
TAMHLX165W	20000	124	165
TAMHLX220W	27000	124	220
TAMHLX300W	36500	123	300

GENERAL DRIVER INFORMATION			
Type	Constant Current, Class 2		
ELECTRICAL SPECIFICATIONS	**110W/220W**	**165W**	**300W**
Input			
Input Voltage (VAC)	120V-277V (+/- 10%)		
Frequency Range (Hz)	50-60 Hz (+/- 5%)		
THD @ Full Load	<15%	<20%	<20%
Efficiency @ Full Load	86%	86%	92%
Power Factor @ Full Load	≥0.98	≥0.98	≥0.98
Output			
Max. Output power (W) Per Driver	96W	80W	150W
Dimming Control 1-10V	10-100%	10-100%	10-100%
Load Regulation	<5%	<5%	±2%
Line Regulation	<5%	<5%	±1%
Over Current Protection	YES	YES	YES
Over Load Protection	YES	YES	YES

ENVIRONMENTAL SPECIFICATIONS	110W/ 220W 165W/300W
Ambient Range	-20°C to 55°C

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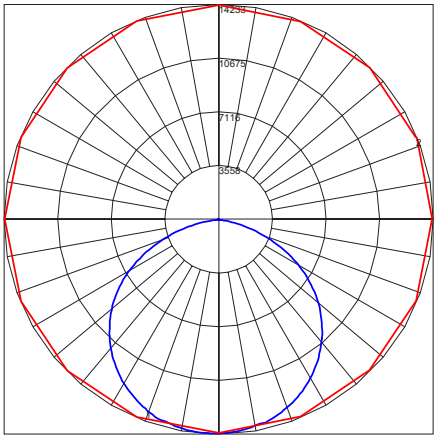
PHOTOMETRIC REPORTS

POLAR GRAPH

IES ROAD REPORT
PHOTOMETRIC FILENAME : TAMHLX300W850.IES

POLAR GRAPH

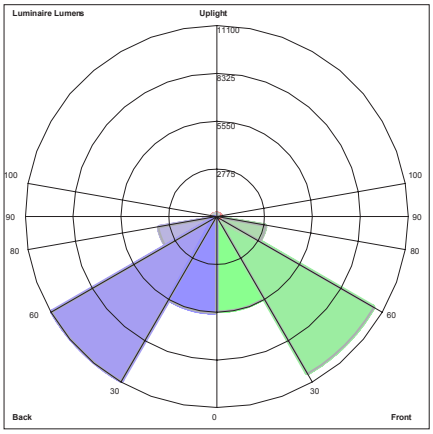


Maximum Candela = 14232.75 Located At Horizontal Angle = 202.5, Vertical Angle = 2
1 - Vertical Plane Through Horizontal Angles (202.5 - 22.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2) (Through Max. Cd.)

LUMINAIRE CLASSIFICATION GRAPH

IES ROAD REPORT
PHOTOMETRIC FILENAME : TAMHLX300W850.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



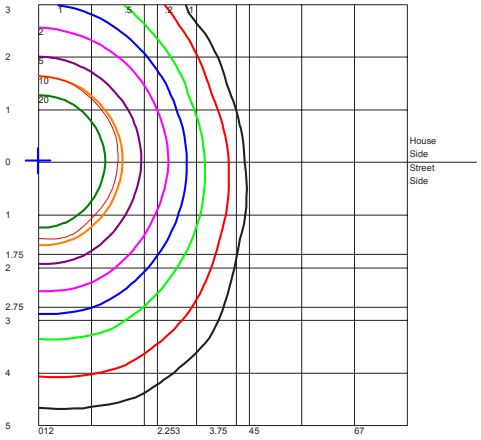
Luminaire Lumens:
Front: Low=5551.9, Medium=10577.7, High= 2935.0, Very High=76.3
Back: Low=5643.5, Medium=11099.8, High= 3472.0, Very High=125.5
Uplight: Low=28.6, High=126.3

BUG Rating : B5-U3-G2

ISOCANDELA PLOT

IES ROAD REPORT
PHOTOMETRIC FILENAME : TAMHLX300W850.IES

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height
Values Based On 10 Foot Mounting Height
1/2 Maximum Candela Trace Shown As Dashed Curve
(+) = Maximum Candela Point

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**

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

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

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:

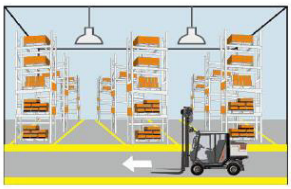
Detection area: 100%, Hold time: 5s, Stand-by Period: 5s, Stand-by dim level: 10%, Daylight Sensor: Disable

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%			

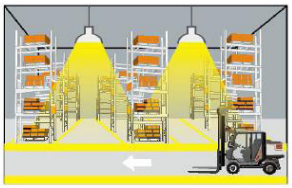
STAND-BY DIM LEVEL:

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

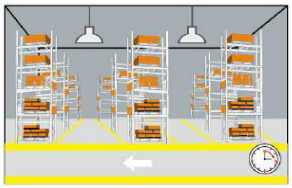
1. On-off function (Stand-by Period "0s")



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

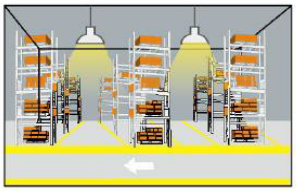


2. With insufficient ambient light, the sensor switches on the light when motion is detected.

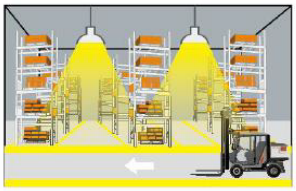


3. After elapse of hold time, the sensor switches off the light when no motion is detected.

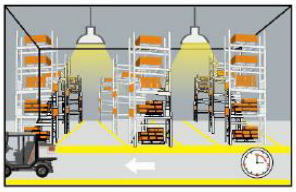
2. 2-step dimming function (Stand-by Period "+ ∞")



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.

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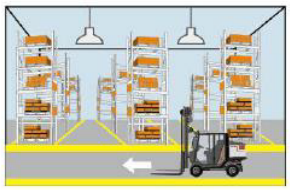
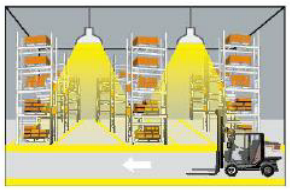
SENSOR PROGRAMMING (CUSTOM)

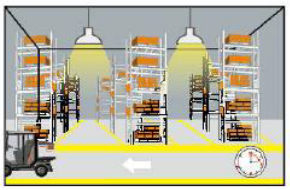
3. 3-step dimming function (Stand-by Period "5s/5min/10min/30min/1h")



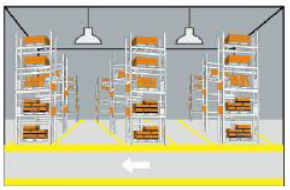
1. With sufficient ambient light, the light will not be switched on even if with motion signal.



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



3. After elapse of hold time, the sensor dimes 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.