



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.



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

Aluminum alloy housing provides high performance and unprecedented quality. Individual heat sinks offers heat transmission faster than die cast steel. Matte lens, standard.

Electrical

Thermally protected driver standard. 70% lumen maintenance at >50,000 hours. Long-life LEDs, coupled with high-efficiency drivers, provide extended service life. The TAMHLX delivers up to 135lm/W.

Dimming

LED drivers deliver dimming from a 0-10V control signal. Requires separate 0-10V DC dimming circuit. *

Installation

The TAMHLX high bay is provided with a 10' suspension cable kit. Surface and Pendant Mounting is also available.

Listings

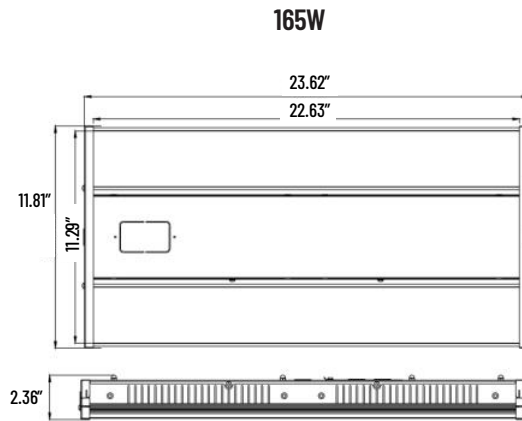
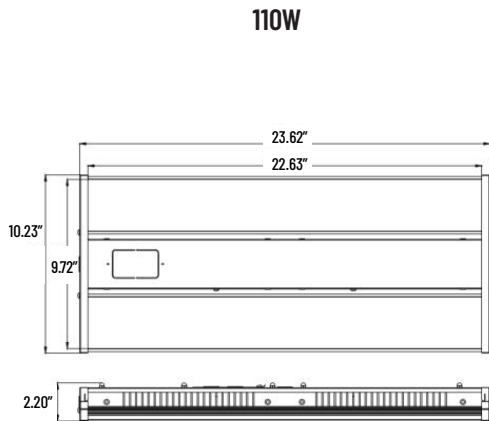
UL listed to US and Canadian safety standards. Damp location listed. Design Lights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

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

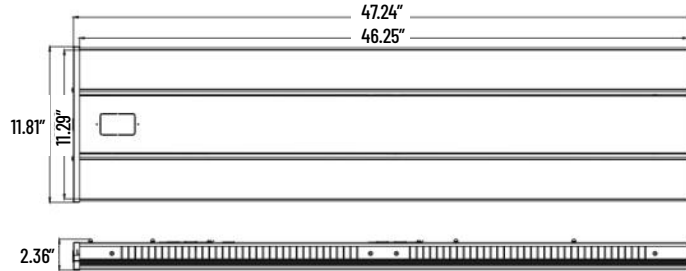




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LINE DRAWING

220W & 300W



ORDERING INFORMATION

Example: TAMHLX165W850M

SERIES & WATTAGE	CRI & COLOR TEMP	LENS	INSTALLED OPTIONS
[TAMHLX110W]: 2ft, 110W	[850]: CRI+/-85, 5000K	[M]: Matte Lens	[Blank]: No Options [-OS]: Microwave Sensor*
[TAMHLX165W]: 2ft, 165W			
[TAMHLX220W]: 4ft, 220W			
[TAMHLX300W]: 4ft, 300W			

*These units can not be connected to a dimming device when it's equipped with Motion Sensor.

LIGHTING & ELECTRICAL SPECIFICATIONS

SERIES	LUMENS @ 5000K	LPW	POWER CONSUMPTION (WATTS)	VOLTAGE	CRI	L70 (HOURS)
TAMHLX110W850M	14,485	135	106.97	120-277v	>80	50,000
TAMHLX165W850M	21,264	132	160.27			
TAMHLX220W850M	28,220	134	210.35			
TAMHLX300W850M	40,261	139	288.31			

Input	
Input Voltage (VAC)	120-277v
Frequency Range (Hz)	50-60 Hz
Efficiency @ Full Load	>87
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 SPECIFICATIONS	
Ambient Operating Temperature (Without OS or EMB)	-40°F to 122°F
Ambient Operating Temperature (with OS)	-13°F to 122°F
Listings	Suitable for Damp Locations

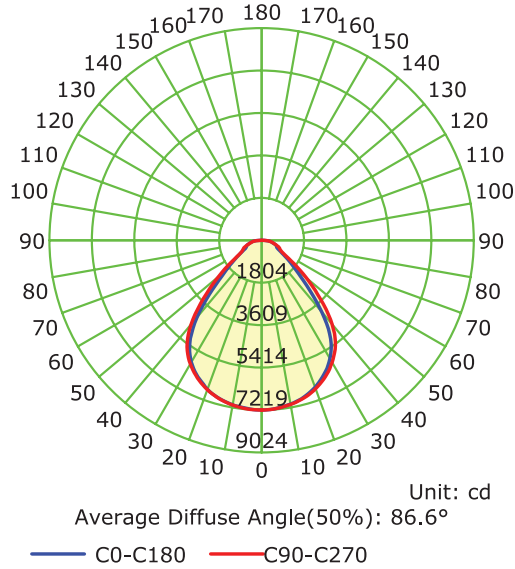


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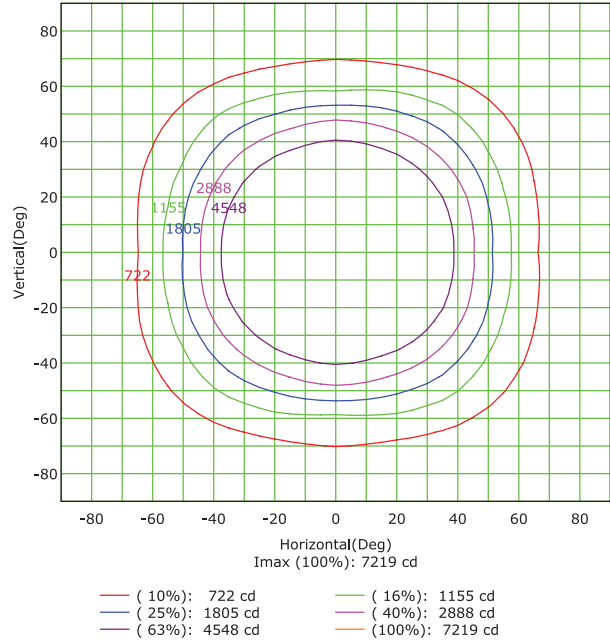
PHOTOMETRIC REPORTS

110W

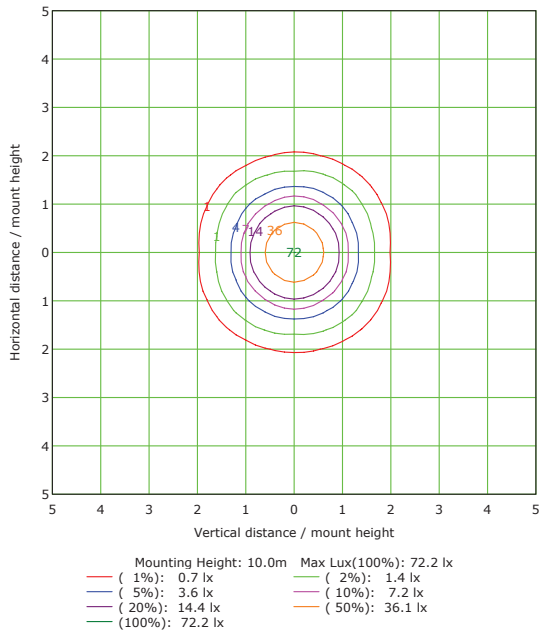
Luminous Intensity Distribution Curve



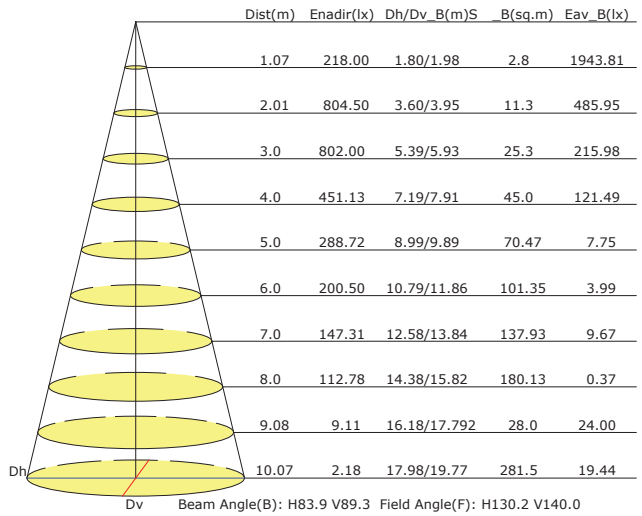
Isocandela (rectangle)



IsoLux Plot



Illuminance at a Distance



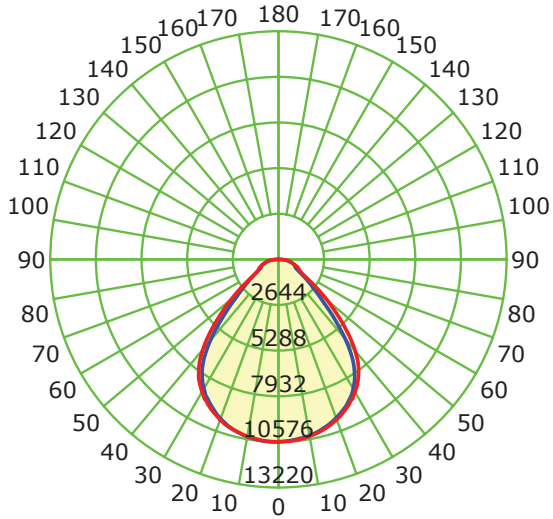


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PHOTOMETRIC REPORTS

165W

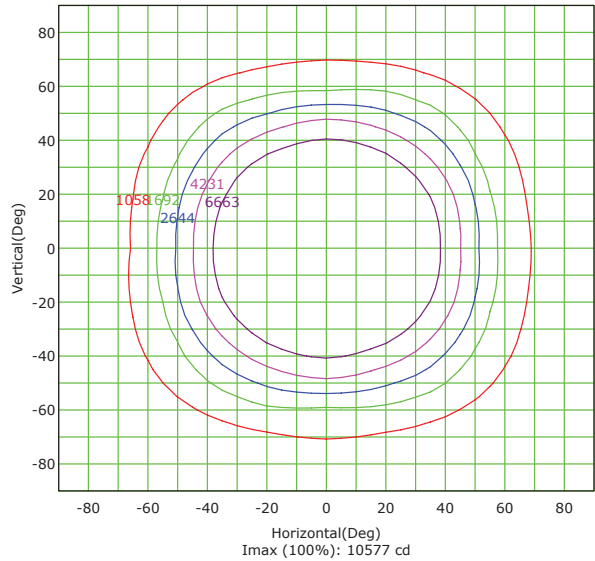
Luminous Intensity Distribution Curve



Unit: cd
Average Diffuse Angle(50%): 86.9°

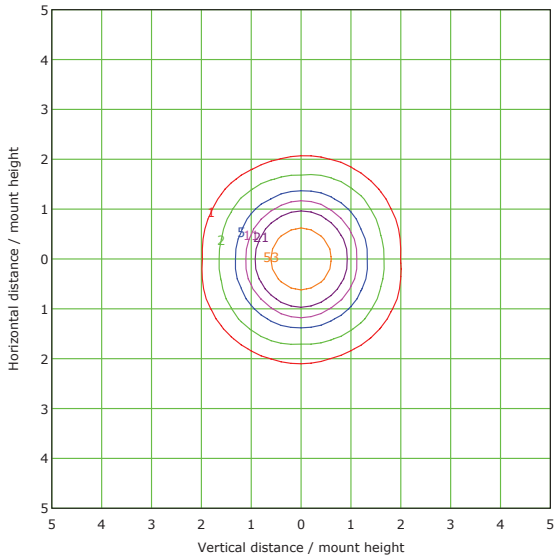
— C0-C180 — C90-C270

Isocandela (rectangle)



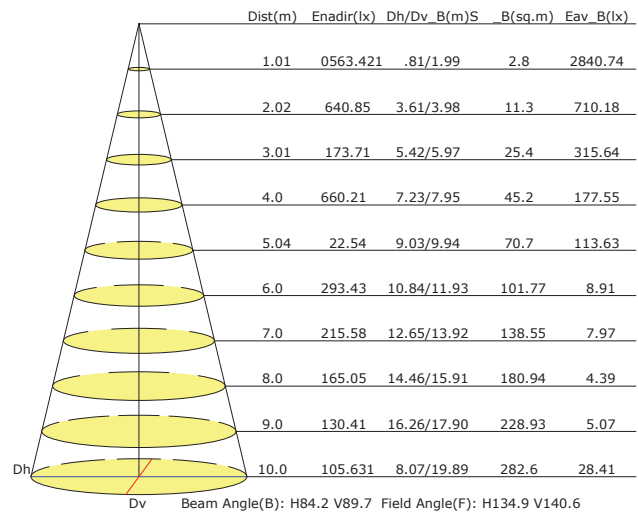
(10%): 1058 cd (16%): 1692 cd
(25%): 2644 cd (40%): 4231 cd
(63%): 6663 cd (100%): 10577 cd

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 105.7 lx
(1%): 1.1 lx (2%): 2.1 lx
(5%): 5.3 lx (10%): 10.6 lx
(20%): 21.1 lx (50%): 52.9 lx
(100%): 105.7 lx

Illuminance at a Distance



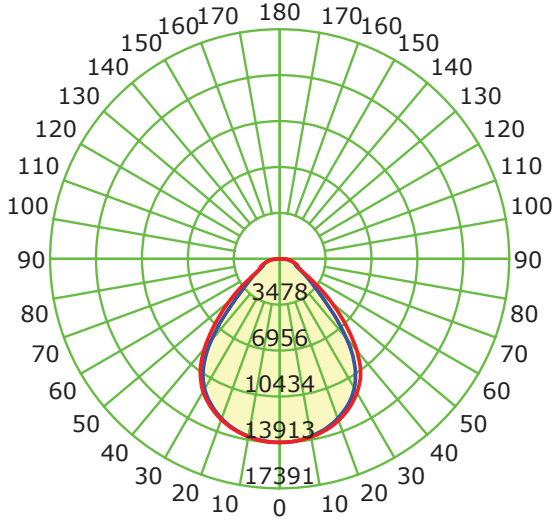


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PHOTOMETRIC REPORTS

220W

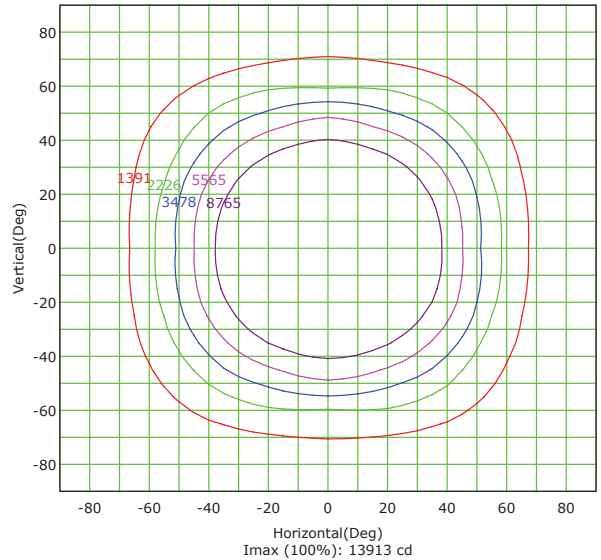
Luminous Intensity Distribution Curve



Unit: cd
Average Diffuse Angle(50%): 87.2°

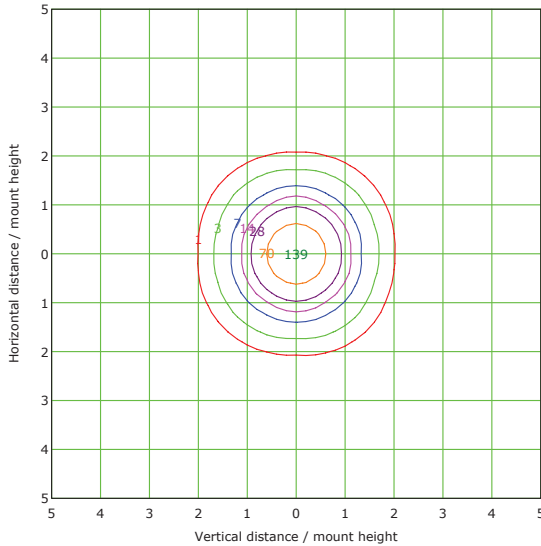
— C0-C180 — C90-C270

Isocandela (rectangle)



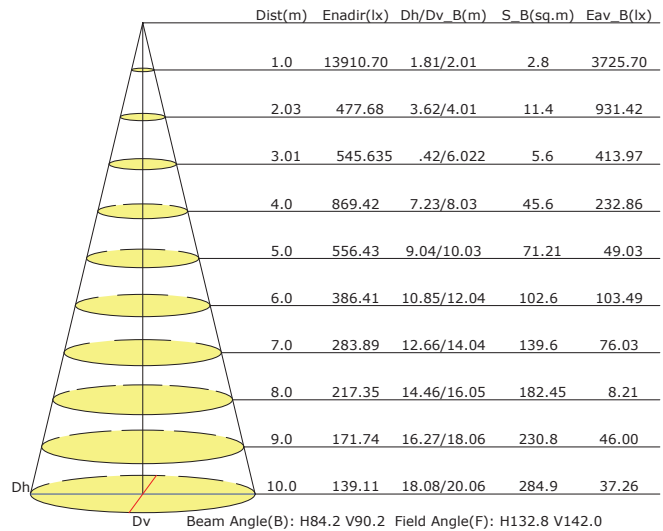
(10%): 1391 cd (16%): 2226 cd
(25%): 3478 cd (40%): 5565 cd
(63%): 8765 cd (100%): 13913 cd

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 139.1 lx
(1%): 1.4 lx (2%): 2.8 lx
(5%): 7.0 lx (10%): 13.9 lx
(20%): 27.8 lx (50%): 69.6 lx
(100%): 139.1 lx

Illuminance at a Distance



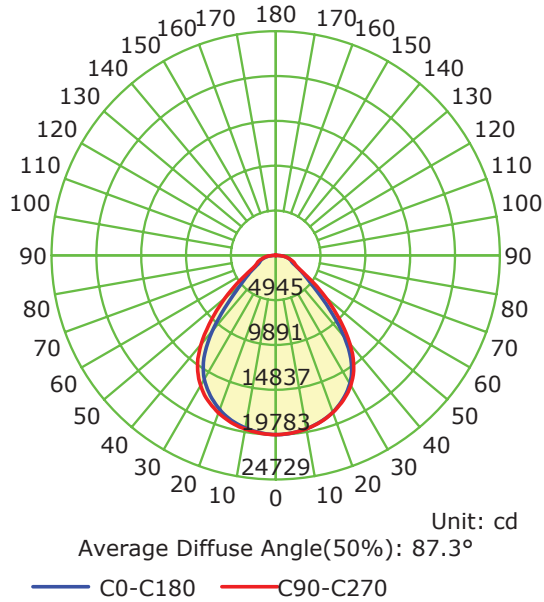


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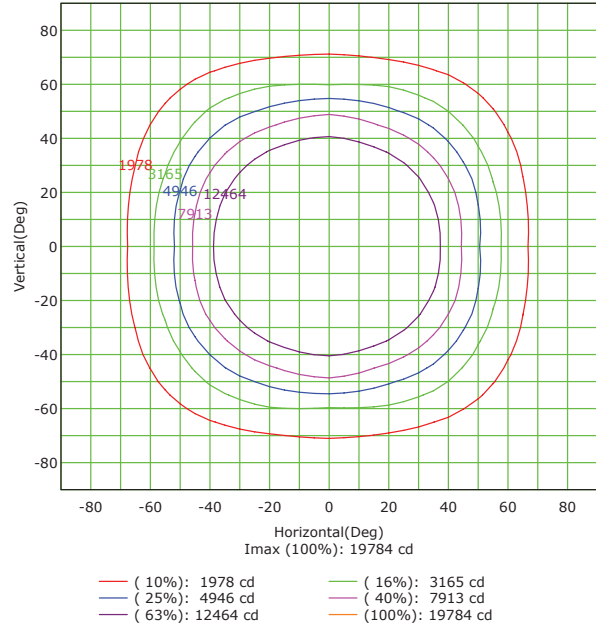
PHOTOMETRIC REPORTS

300W

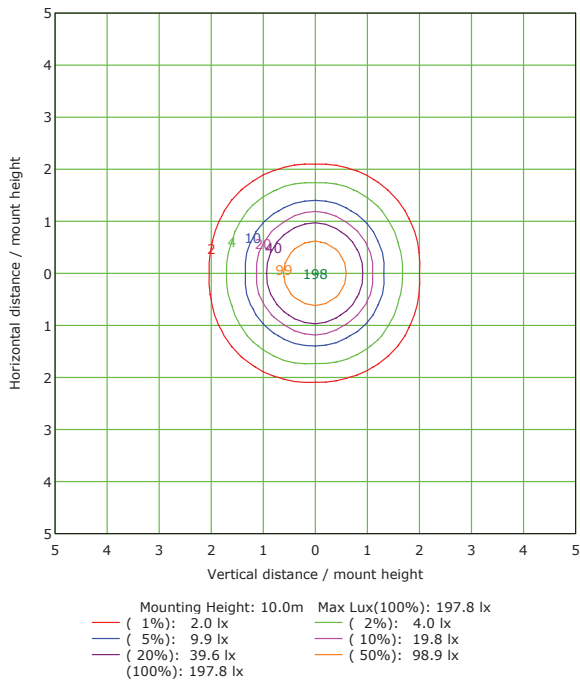
Luminous Intensity Distribution Curve



Isocandela (rectangle)



IsoLux Plot



Illuminance at a Distance

Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	19775.60	1.81/2.01	2.9	5286.63
2.04	943.90	3.62/4.02	11.4	1321.66
3.02	197.29	5.43/6.04	25.7	587.40
4.0	1235.97	7.23/8.054	5.7	330.41
5.0	791.02	9.04/10.06	71.52	11.47
6.05	49.32	10.85/12.07	102.91	46.85
7.04	03.58	12.66/14.081	40.1	107.89
8.0	308.99	14.47/16.10	182.9	82.60
9.02	44.14	16.28/18.11	231.5	65.27
10.0	197.76	18.09/20.12	285.8	52.87

Dh Dv Beam Angle(B): H84.2 V90.3 Field Angle(F): H133.5 V142.6



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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
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.

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



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



**Surface Mount Kit:
TAMHLXSMK-KIT (0546-8418)**

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

SENSOR PROGRAMMING (CUSTOM)

FACTORY SETTING:

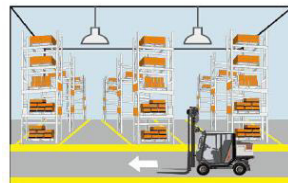
Detection area: 100%, Hold time: 5s, Stand-by Period: 5s, Stand-by dim level: 10%, Daylight Sensor: Disable

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%			

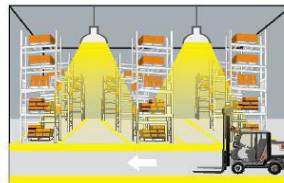
STAND-BY DIM LEVEL:

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

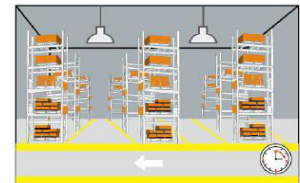
1. On-off function (Stand-by Period "0s")



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.



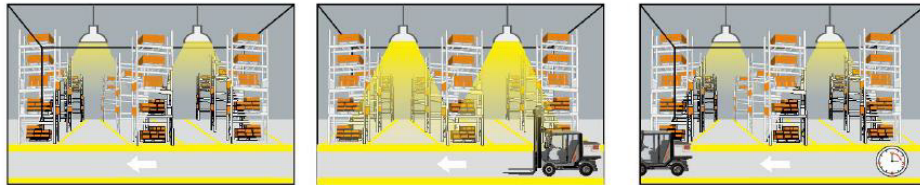
3. After elapse of hold time, the sensor switches off the light when no motion is detected.



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SENSOR PROGRAMMING (CUSTOM)

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

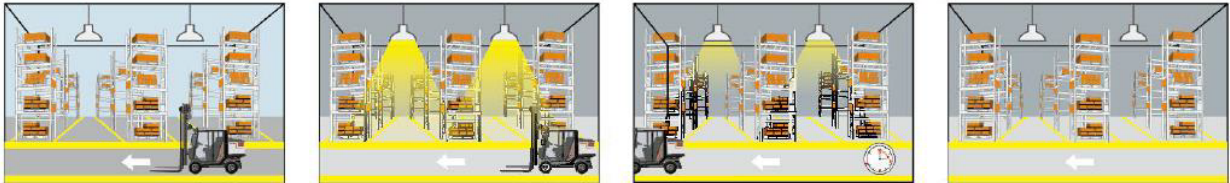


1. If there is no motion detected, the light will be remained at a low light level all the time.

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.