

The Voyager series is part of our Occu-Smart® S³ product line. Equipped with an integral high frequency motion sensor, the VOLH features bi-level operation with adjustable standby light levels and time delay and optional Multi-Color tuning.

Features and Specifications:

Construction:

- Housings are manufactured from code gauge cold rolled steel
- Ends are injection molded for added strength and a clean appearance
- Diffuser is retained by continuous groove which locks into body as well as overlapping ends to eliminate vibration hazards
- One piece extruded frosted polycarbonate radial lens featuring a linear refractive pattern for even illumination

Sensor Options:

- Internally mounted/hidden behind diffuser
- High Frequency motion sensor on/off
- High Frequency motion sensor with adjustable standby light level

Size Options:

- Available in 2' and 4' lengths (nominal)

Listing & Ratings:

- All electrical components are U.L. listed or recognized
- All fixtures are U.L. Certified and Union made in the USA
- Meets Buy America Act (BAA), BABA Compliant

Mounting Options:

- Ceiling, rigid stem or wall mount

Driver:

- Universal voltage 120-277V standard
- Custom driver tuning available for specific lumen requirements
- Optional emergency backup available including "UL924" approved

Warranty:

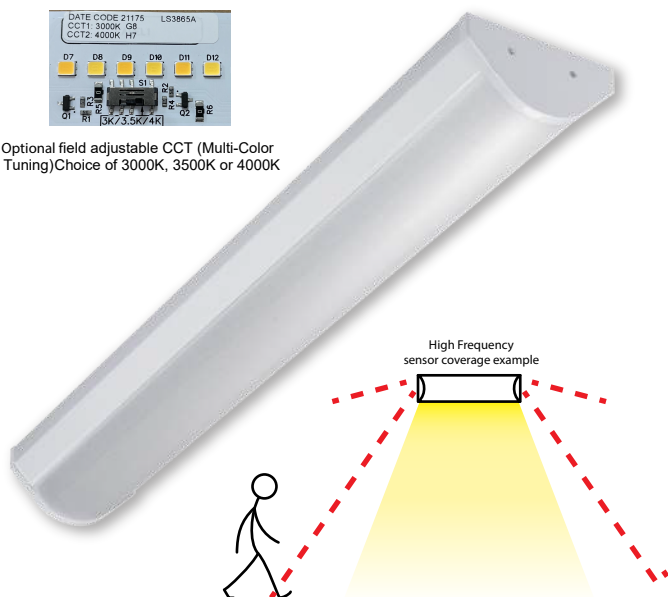
- 5 years - part replacement only (see our terms & conditions page at www.lamarled.com for details)

See page 2 for lumen chart, dimensions & accessories

VOLH Voyager series high frequency motion sensor | adjustable standby or on/off



Optional field adjustable CCT (Multi-Color Tuning) Choice of 3000K, 3500K or 4000K



High frequency motion sensors can detect motion through many materials including glass, sheet rock walls, wood doors and the lens of the fixture, enabling the sensor to be hidden from view - consult factory to see if an HF sensor is the right fit for your application

Ordering Guide / Example

VOLHA48M-40

VOLH					
Series	Sensor option	Size	Power	CCT	General Options
VOLH = Voyager	F = High frequency occupancy sensor on/off A = High frequency occupancy sensor adjustable standby 10, 20, 30 or 50%	24 = 2' nominal 48 = 4' nominal	L = Low M = Medium H = High	30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K MCT = User Selectable: 3000K, 3500K, 4000K	EM = Emergency pack >90 min., >500 lumens EMH = Emergency pack >90 min., >1400 lumens EM9 = "UL924" approved as Emergency Lighting Equipment EMB = BABA Compliant Emergency pack >90 min., >500 lumens ESRU = 120V/277V emergency shunt relay

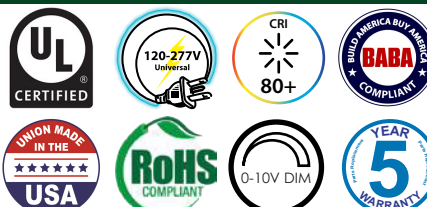
Consult factory for additional options not shown or listed

Correlated Color Temperatures (CCTs) fall within the nominal range as per ANSI C78.377A

Project Information:

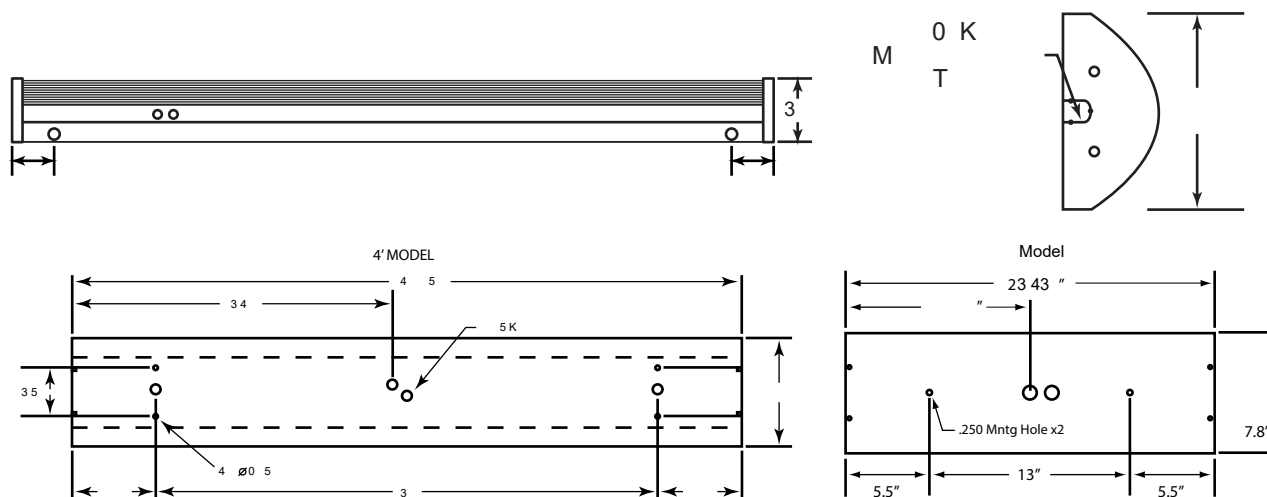
Job Name:	Fixture Type:
Catalog #:	Date:
Comments:	

Certification & Listings:



BEFORE INSTALLATION, PLEASE CONSULT YOUR LOCAL ORDINANCES AND BUILDING CODES FOR COMPLIANCE

Dimensions



Lumen/Wattage Chart - 5000K

Full Lumens 5000K	2'			4'		
	LOW	MED	HIGH	LOW	MED	HIGH
	14W	19W	25W	25W	36W	48W
	1495	2060	2592	2990	4119	5176

Approx Lumen Multiplier	
3000K	.92
3500K	.94
4000K	.97

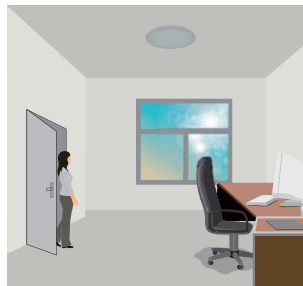


Optional field adjustable CCT (Multi-Color Tuning) Choice of 3000K, 3500K or 4000K

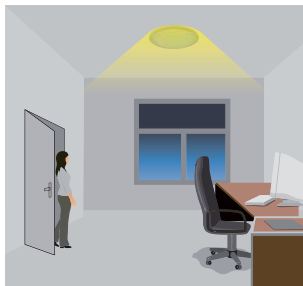
Sensor Features/Details

Tri-level dimming control (corridor function)

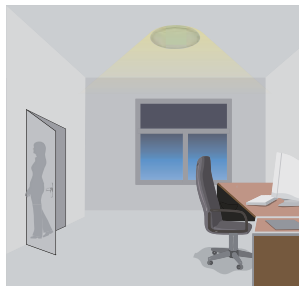
Tri-level dimming control sensors offer 3 levels of light: 100% --> dimmed light (10%, 20%, 30% or 50% optional) --> off; And 2 periods of selectable waiting time: Motion hold-time and stand-by period; selectable daylight threshold and freedom of detection area



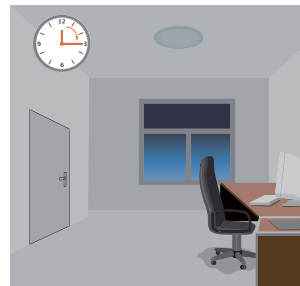
With sufficient natural light, the light does not switch on when presence is detected



With insufficient natural light, the sensor switches the light on automatically when a person enters the room



After hold-time, the light dims to stand-by level or turns off completely if surrounding natural light is above the daylight threshold



Light switches off automatically after the stand-by period elapses

Features:

- Adjustable detection area
- Hold-time
- Daylight threshold
- Stand-by period
- Stand-by dimming level
- Sensor antenna interface

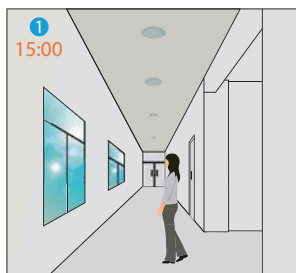
Factory set for bi-level operation 100%/10%

Tri-level dimming default factory setting = 10% bi-level
Off function = disabled

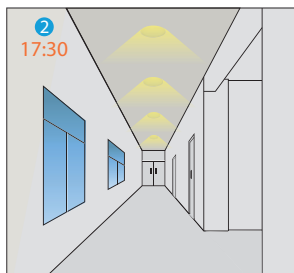
Daylight monitoring function default factory setting = disabled

Daylight monitoring function

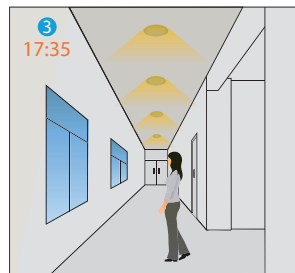
- 1) With sufficient natural light, the light will not turn on when motion is detected
- 2) After hold-time, the light turns off completely if surrounding natural light is sufficient
- 3) When stand-by period is preset at "+∞", the light will turn off completely when surrounding natural light is sufficient during stand-by period and turn on at dimming level automatically when natural light is below daylight threshold



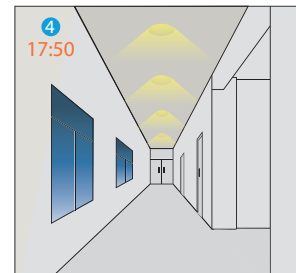
With sufficient natural light, the light does not switch on even when there is motion detected



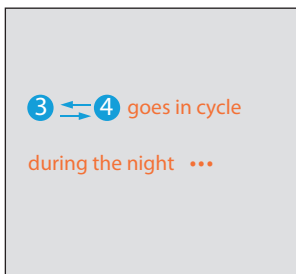
At dusk, as the natural light drops below threshold value, the sensor turns the light on at the dimmed level



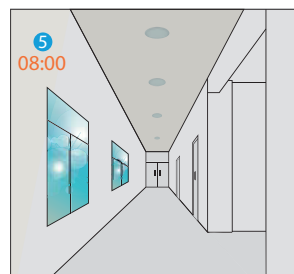
The light switches on at 100% when there is motion detected



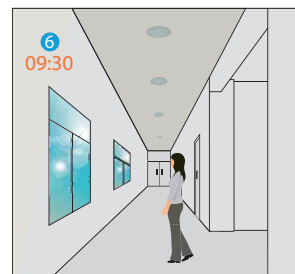
Light dims to stand-by level after the hold-time



100% on when motion is detected and dims to 10% in long absence



At dawn, light turns off completely when natural light reaches above daylight threshold



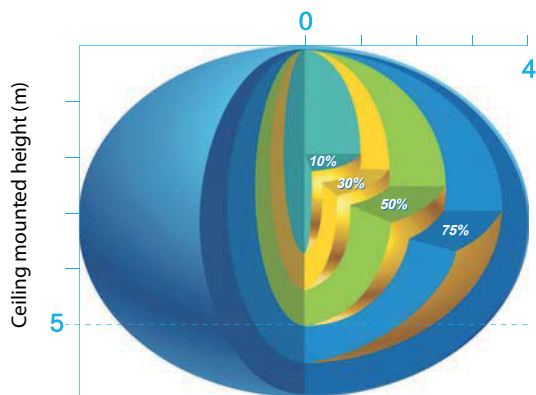
Light does not switch on even when motion is detected during the daytime

Settings on this demonstration:

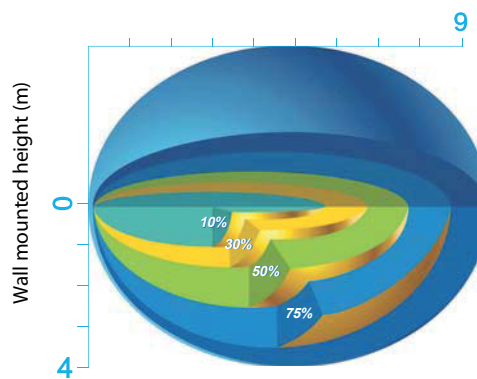
Hold-time = 10min
Daylight threshold = 50lux
Stand-by period +∞
Stand-by dimming level = 10%

Sensor Features/Details Continued

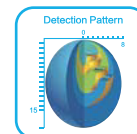
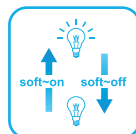
Detection pattern



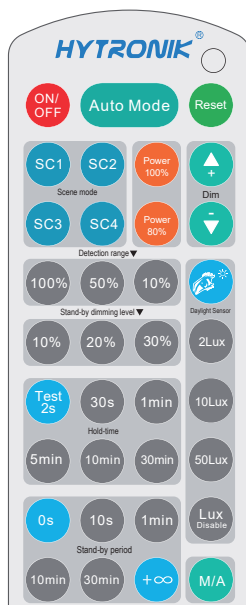
Ceiling mounted detection pattern (m)



Wall mounted detection pattern (m)



Sensor Accessories



HRC = High frequency sensor remote control

For applications with backup generators requiring that connected bi-level lighting to be switched to full light output during power outages regardless of occupancy, we recommend our TTH series with emergency shunt relay (ESRU)

LAMAR LED assumes no responsibility for misapplication of fixtures

Due to the rapid advancements in LED technology, please consult our website for the most current technical data.

Specifications subject to change without notice - Rev 0825