

ENCURAPro



A: 47.24 in (1200 mm) — 4 ft | 94.49 in (2400 mm) — 8 ft
B: 4.33 in (110 mm) | C: 3.46 in (88 mm)

DESCRIPTION

Encura is a sealed LED linear vapour-tight fixture for wet and demanding environments. The updated platform provides field-selectable wattage and five selectable colour temperatures, high efficacy, 0–10 V dimming, and surface or pendant mounting. Optional integral sensor and emergency-power configurations are available.

KEY FEATURES

- 5 selectable wattages for each fixture length
- 5 CCT selectable: 3000K / 3500K / 4000K / 5000K / 6500K
- 150 lm/W efficacy; CRI 80
- 120–277 VAC or 120–347 VAC; 0–10 V dimming; PF >0.9
- IP65 and wet-location rated
- Surface or pendant installation
- Optional built-in sensor and emergency power unit
- 2-year warranty; 5-year warranty optional

TECHNICAL SPECIFICATIONS

Fixture Sizes	4 ft and 8 ft
Selectable Wattage — 4 ft	20 W / 40 W / 50 W / 60 W / 70 W
Selectable Wattage — 8 ft	60 W / 70 W / 80 W / 90 W / 100 W
Input Voltage	120–277 VAC / 120–347 VAC
Dimming	0–10 V
Power Factor	>0.9
Efficacy	150 lm/W
Colour Rendering	CRI 80
Selectable CCT	3000K / 3500K / 4000K / 5000K / 6500K
Environmental Rating	IP65; wet-location rated
Operating Temperature	–20°C to +40°C (–4°F to +104°F)
Warranty	2 years / 5 years optional

CONFIGURATION GUIDE

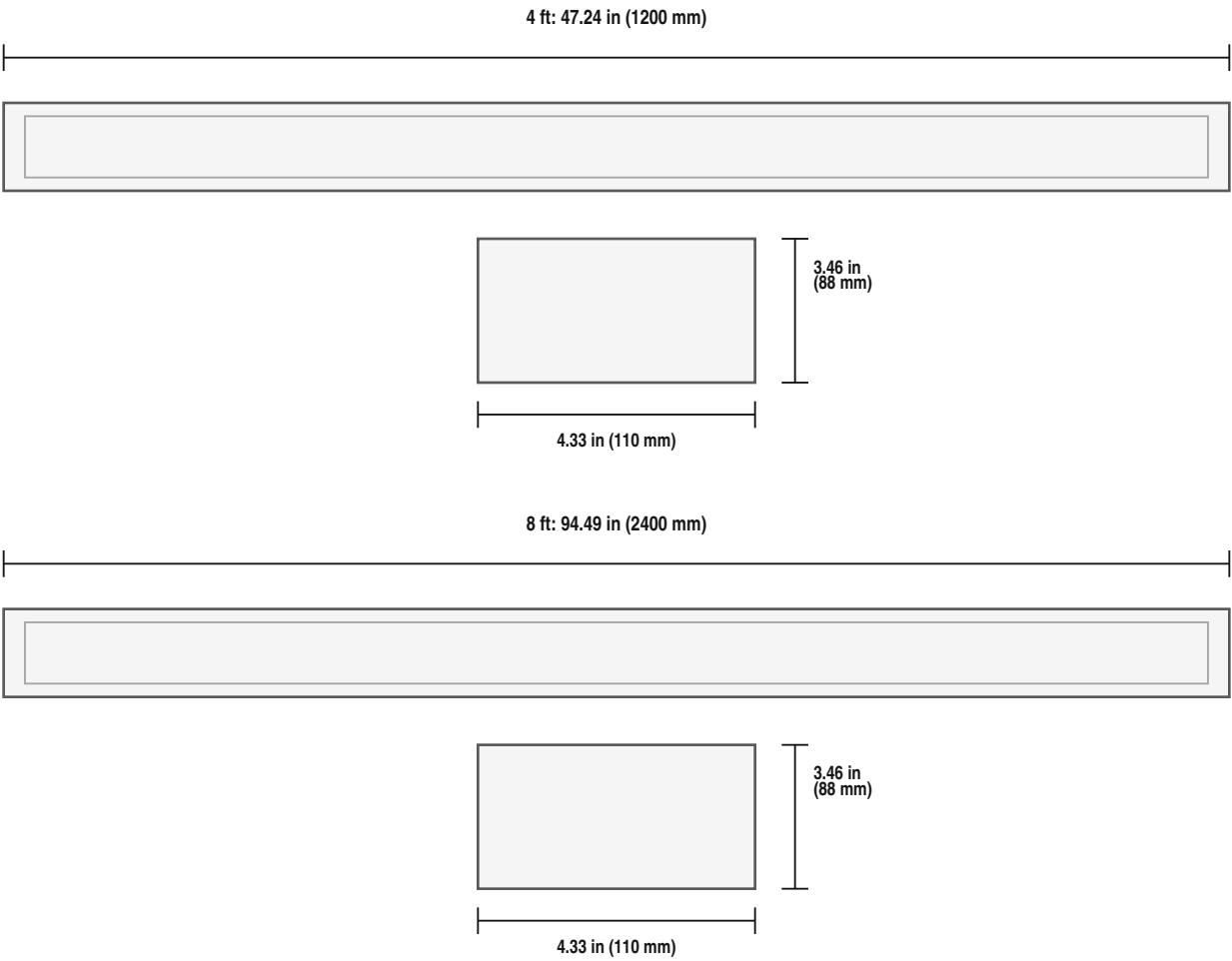
Model Family	Encura
Fixture Length	4 ft or 8 ft
Wattage Selection	Field selectable; range depends on fixture length
CCT Selection	3000K / 3500K / 4000K / 5000K / 6500K
Input / Dimming	120–277 VAC or 120–347 VAC; 0–10 V dimming
Mounting	Surface or pendant
Available Options	Built-in sensor and/or emergency power unit

Due to continuous improvements, the information herein may be changed without notice

831 3rd St W, North Vancouver, BC V7P 3K7 Canada | P.: +1(604) 770-3315 | E:info@maxtarlighting.com

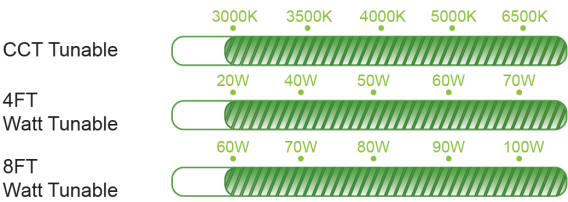


PRODUCT DIMENSIONS



4 ft Fixture	L 47.24 in (1200 mm) x W 4.33 in (110 mm) x H 3.46 in (88 mm)
8 ft Fixture	L 94.49 in (2400 mm) x W 4.33 in (110 mm) x H 3.46 in (88 mm)

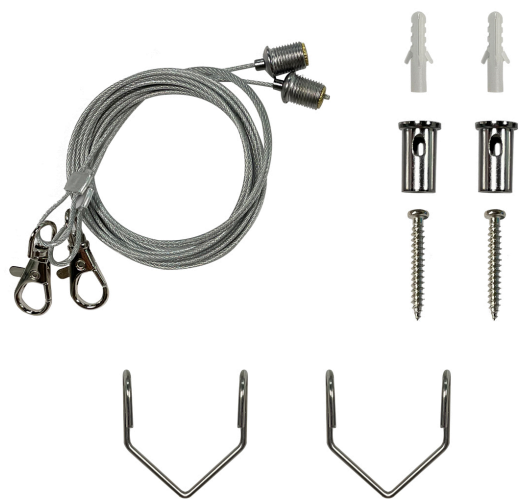
FIELD-SELECTABLE SETTINGS



Mounting: surface or pendant installation. Pendant kits must be ordered separately.



PENDANT INSTALLATION KIT



Pendant kits are optional accessories and must be ordered separately.

ORDERING TABLE

Model	Size and Power	Installation	Input	Accessories
ENCURA	04: 4 ft — 20 W / 40 W / 50 W / 60 W / 70 W 08: 8 ft — 60 W / 70 W / 80 W / 90 W / 100 W	S: Surface P: Pendant	UNV: 120–277 VAC 347: 120–347 VAC	A: Base B: Sensor C: Emergency Battery D: Sensor & Battery P: Pendant Kit



INSTALLATION MATERIALS



Ceiling PC+GI Accessories
SP18-F25
(1 PCS / Set)



Expansion tubes
SP18-F25
(1 PCS / Set)



Gaskets
SP18-F25
(1 PCS / Set)



Stainless plated self-tapping screws
SP18-F25
(4 PCS / Set)



Light fixture (1 PCS)

INSTALLATION NOTES

- Installation and maintenance must be completed by qualified electricians or professionals.
- Disconnect power before installation or maintenance.
- Do not cover the fixture with thermal insulation.
- Working temperature: -20°C to $+40^{\circ}\text{C}$ (-4°F to $+104^{\circ}\text{F}$).
- Storage temperature: -30°C to $+60^{\circ}\text{C}$ (-22°F to $+140^{\circ}\text{F}$).



SURFACE-MOUNT INSTALLATION

- Pre-drill holes on the ceiling according to the dimensions shown in the diagram.

4FT Cutout Dimensions

8FT Cutout Dimensions
- Insert the expansion tubes into the $\phi 5\text{mm}$ holes in sequence. Align the mounting holes on both sides of the ceiling mounting bracket with the expansion tube holes, place washers, and then tighten the screws.
- Align the luminaire with the slot of the ceiling mounting bracket and push it upward until it snaps into place.
- Connect the AC line of the luminaire to the mains power supply as shown in the wiring diagram. After completing the installation, restore power and check whether the luminaire functions properly.

Fixture AC Wire		Mains AC Wire	
N (WHITE)	N (WHITE)		
L (BLACK)	L (BLACK)		
G (PE)	G (PE)		
DIM+ (PURPLE)	DIM+ (PURPLE)		
DIM- (PINK)	DIM- (PINK)		

INSTALLATION AND SAFETY NOTES

- Installation and maintenance must be completed by a qualified electrician.
- Disconnect power before installation or service.
- Do not cover the fixture with thermal insulation.
- Connect line, neutral, protective ground, DIM+ and DIM- as shown in the wiring diagram.
- Optional sensor and emergency-power units must be factory-configured or installed according to their instructions.

ENCURAPro



MAXTARTM
Lighting

APPLICATION



Typical application: wet-location industrial and service environments such as vehicle wash and maintenance facilities.



OPTIONAL PRE-INSTALLED MOTION SENSOR



US002-01VR-1 — 60 mm (2.36 in) lead



US002-01VR-2 — 300 mm (11.81 in) lead

12 VDC pre-installed microwave motion sensor with 1–10 V dimming, magnetic mounting, quick connector, daylight sensing and remote programming.



On/Off Control



Detection Area



Daylight Sensor



Hold Time



Remote Control



Stand-by period



Stand-by dimming level



5 years Warranty

SENSOR TECHNICAL DATA

Operating Supply	10.5–15 VDC; supply current >50 mA
Operating Current	<30 mA
Dimming Output	1–10 V / DIM
Stand-by Power	≤0.5 W
Microwave Power	<0.3 mW
Microwave Frequency	5.8 GHz ±75 MHz
Detection Area	25% / 50% / 75% / 100%
Maximum Mounting Height	6 m (19.68 ft), ceiling mounted
Maximum Detection Radius	8 m (26.24 ft), ceiling mounted
Motion Detection Speed	0.5–1 m/s (1.64–3.28 ft/s)
Operating Temperature	–40°C to +80°C (–40°F to +176°F)
Sensor Rating / Warranty	IP20 / 5 years

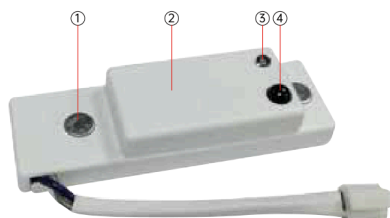
PROGRAMMABLE SETTINGS

Hold Time	5 s / 30 s / 1 / 3 / 5 / 10 / 20 / 30 min
Daylight Threshold	2 / 10 / 30 / 50 / 80 / 120 lux / Disable
Stand-by Period	0 s / 10 s / 30 s / 1 / 5 / 10 / 30 min / ∞
Stand-by Dimming Level	10% / 20% / 30% / 50%



SENSOR DIMENSIONS AND CONNECTION

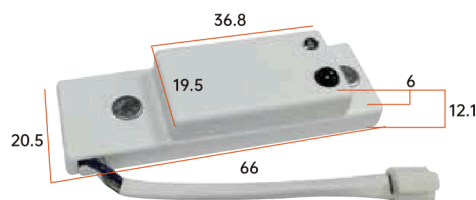
Mechanical structure



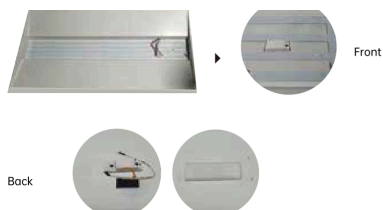
- ① Magnet for installation
- ② Microwave Module
- ③ Daylight Sensor
- ④ IR Receiver

Dimensions

Unit:mm

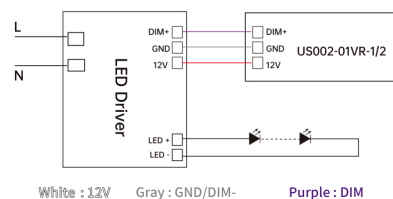


Installation Method



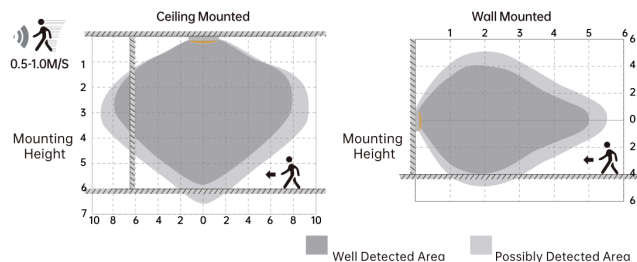
Suitable fixtures:
ceiling light, troffer, triproof light, batten light, linear light, LED tube and etc.

Wiring Diagram



DETECTION PATTERNS

Detection Patterns



Highest mounting height is 6m

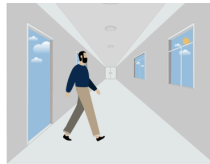
This figure indicates the maximum distance at the highest mounting height with 100% sensitivity.

Maximum mounting height: 6 m (19.68 ft); maximum ceiling-mounted detection radius: 8 m (26.24 ft) at 100% sensitivity.



MOTION SENSOR PERFORMANCE

1. AUTOMATIC ON/OFF FUNCTION



With sufficient daylight, even when motion detected, light remains OFF.



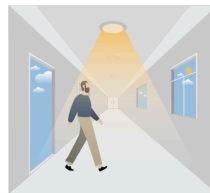
With insufficient daylight, the sensor turns light ON when motion gets detected.



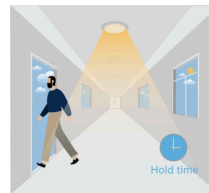
The sensor turns OFF light automatically after the holdtime when there's no motion detected.

2. Daylight Disable

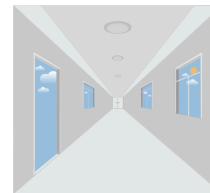
When daylight threshold is preset as "disable", the sensor turns light ON when motion gets detected, and OFF after holdtime.



The sensor turns light ON when motion gets detected.



The sensor keeps light ON for holdtime period after motion leaves.



The sensor turns OFF light automatically after the holdtime.

3. Corridor Function, Bi-level Dimmable



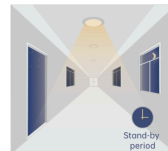
With sufficient daylight, the sensor keeps light OFF even motion gets detected.



With insufficient daylight, the sensor turns light ON when motion gets detected.



After there's no motion detected, the sensor keeps light ON 100% for holdtime.



After holdtime, sensor dims light to standby dimming level for standby period.



The sensor turns OFF light automatically after the standby period when there's no motion detected.

Automatic ON/OFF, daylight-disable control, and corridor bi-level dimming sequences are shown above.



MOTION SENSOR PRECAUTIONS



Attention

1. Please read the instructions carefully before using this product and keep it well for all users to read at any time.
2. The sensor should be installed by qualified electrician and ensure power is off before the installation.
3. We reserve the right to modify any incorrect text, image and necessary technical parameters.
4. Any unauthorized modification is forbidden, otherwise all guarantees will be immediately invalid.

Installation precautions

1. Microwave sensor can be installed in any lamp except the one with full metal shell.
2. The detected surface cannot be shielded by metal objects.
3. Make sure the microwave module is completely exposed outside.
4. The detection surface of the sensor module shall be installed facing the detection area.
5. Should be kept away from the driver to avoid interference generation and lamp flashing.
6. Wiring must be strictly in accordance with the wiring diagram to avoid short circuit.

Application Environment

1. Suitable for indoor installation to avoid false triggering due to external factors such as rain, wind or tree swing.
2. Shall not be installed in the place with all four metal shelters and small space (such as galvanized-iron roof).
3. Shall note be mounted installation, so as to avoid false trigger caused by the lamp itself shaking.
4. Shall not be installed next to large operating machines such as ventilator/ceiling fan to avoid false triggering caused by machine vibration.

User Notes

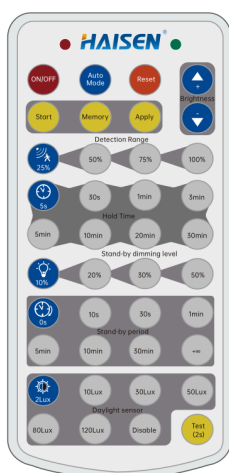
1. Microwave can penetrate walls or glass thinner than <20mm and attenuate if thicker than <20mm.
2. The driver voltage shall be stable and float within 10%.
3. Detection area will be affected by speed of motion, mounting height and movement volume.
4. Conduct test on sunny days without the lampshade which will affect the tested lux value.



HD03R REMOTE CONTROL FUNCTIONS

REMOTE FOR DIMMABLE SENSORS WITH MEMORY FUNCTION

Model: HD03R



Remote Keys	Function	Performance
	ON/OFF	1. "ON/OFF" key only functions as a switch of the light. 2. If press this button to turn off the lamp before it's short-circuited, the lamp will remain off after power-on again.
	Auto Mode	Press "Auto Mode" button, the sensor starts to work and all settings remain the same before the light gets switched on/off.
	Reset	1. Press "Reset" button, change brightness to max level. 2. Press "Reset" button, products with DIP switch will be controlled by DIP switches; otherwise all the setting will be just initial, that is 100% detection range, hold time 5S, no stand-by time and daylight threshold disabled.
	+/-	1. To adjust brightness 10-100% in on/off mode. 2. To adjust highest brightness 60-100% in sensor mode.
	Start	Press "Start" to customize scene, users can change detection range, daylight threshold, holdtime, standby dimming level and standby period. 1. Press "Memory" to save all the settings. 2. The settings remained as the last time if not get resetted values.
	Memory	1. Press "Apply" to deliver the saved setting. 2. Press "Apply" without "memory" will make all the setting one-time operation. 3. Settings should be done within 30S, otherwise it exits memory mode.
	Apply	First press the start button to start custom scene storage, press this button to start setting the detection range/delay time/waiting brightness/waiting time/light threshold, and press the Memory button to save after the setting is completed. When applying this storage mode, press the Apply button to send the function with one button. Note: There is a time limit when setting. After starting the setting, the time interval between buttons and button settings is <30s. >30s will automatically exit the setting mode.
	Detection area	Detection area (Press to define detection area 100%/75%/50%/25%)
	Hold time	Hold time (Press to define holdtime 5s/30s/1min/3min/5min/10min/20min/30min)
	Daylight Threshold	Stand-by dimming level (Press to define stand-by dimming level 10%/20%/30%/50%.)
	Stand-by period	Stand-by period (Press to define stand-by period 0s/10s/30s/1min/5min/10min/30min/+∞.) Note: "0s" means no standby period; "+∞" means unlimited standby period.
	Stand-by dimming level	Daylight threshold (Press to define daylight level 2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/Disable.) Note: Disable means light will be turned on once sensor detects movement, regardless of the ambient lux.
	Test mode	The button "Test (2s)" is for testing purpose after commissioning. Pressing this button, the sensor goes to test mode (hold time is only 2s)



HD03R SENSOR PROGRAMMING

How to Use HD03R

Sensor Programming:

For singla sensor testing purpose

1. ON/OFF button to turn on the light
2. RESET button so start programming
3. Choose necessary functional buttons of all the zones: detection area, holdtime, standby dimming level, standby period and daylight threshold
4. Done and leave it; the program has been well kept in the remote now

For project programing

purpose @the 1st sensor

1. ON/OFF button to turn on the light
2. RESET button so start programming
3. START button
4. Choose necessary functional buttons of all the zones, detection area, holdtime, standby dimming level, standby period and daylight threshold
5. MEMORY button to keep the program inside the remote
6. APPLY button to deliver the kept program
7. Done and leave it

@the rest sensors

1. ON/OFF button to turn on the light
2. RESET button so start programming
3. APPLY button to deliver the kept program

Manually dimming:

1. ON/OFF button to turn on the light
2. Press + - Buttons on the right top corner to manually dim up or down the light.
3. Press TEST(2S) button to test if the sensor has been well connect-ed; it will keep light ON for 2S only.