

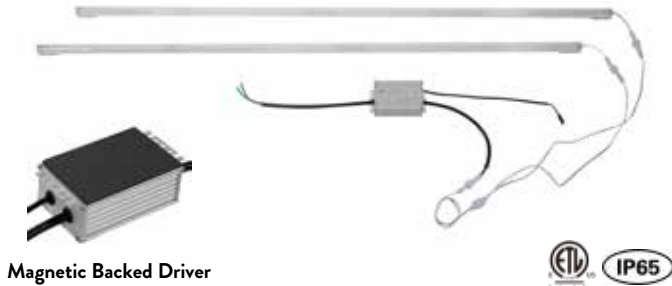


APPLICATIONS

Marine and industrial environments:

- Marine Environments
- Heavy Vibration
- Engine Rooms
- Stores
- Passage Ways
- Workshops
- Hosedown Applications
- Drilling Rigs
- Marinas
- Ports

Magnilumen Plus Marine Grade



MAGNILUMEN PLUS FEATURES

WATTAGE	Programmable Driver 40W, 50W, 60W
COLOR TEMPS	30K, 35K, 40K, 50K, Green
EFFICACY	150 lm/W with Frosted Lens 170 lm/W with Clear Lens 180 lm/W with No Lens
VOLTAGE INPUT	100/277V
DRIVER OUT VOLTAGE	27-54VDC
CRI	80+
DIMMING	0-10VDC
AMBIENT TEMP BARS	-20°C to 50°C; -4°F to 122°F
AMBIENT TEMP DRIVER	-40°C to 90°C; -40°F to 48.2°F
SURGE PROTECTION	6KV
RATED	IP67 - Driver; IP65 - Bars via silicone encapsulation
LISTED	ETL
WARRANTY	5 year, 3 year - Color
LED LIFESPAN (L70)	100,000 hrs.
FLICKER	Meets Title 24 Flicker Requirements
LENGTH	2ft - 21.06"; 4ft - 42.75"
WIDTH	.73"
DRIVER VIBRATION TEST	10- 500Hz X, Y, Z vertical axes vibrate at a constant acceleration of 1.0G (depth 3.5mm) for 1 hour
EMERGENCY BATTERY	Optional
LENS	Clear - Included (Frosted Lens or No Lens Optional)

Magnilumen Plus Marine Grade High Output



HIGH OUTPUT FEATURES

WATTAGE	2ft- 30W; 4ft- 60W
COLOR TEMPS	40K, 50K
EFFICACY	155 lm/W with Frosted Lens 165 lm/W with Clear Lens 173 lm/W with No Lens
LUMENS	Up to 10,000 Lumens Per LED Bar
VOLTAGE INPUT	100/277V
DRIVER OUT VOLTAGE	27-54VDC
CRI	80+
DIMMING	0-10V
AMBIENT TEMP BARS	-20°C to 50°C; -4°F to 122°F
AMBIENT TEMP DRIVER	-40°C to 90°C; -40°F to 48.2°F
SURGE PROTECTION	6KV
RATED	IP67 - Driver; IP65 - Bars via silicone encapsulation
LISTED	ETL
WARRANTY	5 year
LED LIFESPAN (L70)	50,000 hrs.
FLICKER	Meets Title 24 Flicker Requirements
LENGTH	2ft - 21.06"; 4ft - 42.75"
WIDTH	1"
DRIVER VIBRATION TEST	10- 500Hz X, Y, Z vertical axes vibrate at a constant acceleration of 1.0G (depth 3.5mm) for 1 hour
EMERGENCY BATTERY	Optional
LENS	Frosted - Included (Clear Lens or No Lens Optional)



MAGNILUMEN PLUS MARINE GRADE PART BUILDER

MRK	# of Bars	Length of Bar	Wattage	Color	PLUS	Options
	1 2 3 4	2 = 2 feet 4 = 4 feet	40W 50W 60W	30K 35K 40K 50K Green		NL = No Lens FL = Frosted Lens EM15 = 15W Emergency Battery Backup EM20 = 20W Emergency Battery Backup EMV = Factory Supplied External Microwave Motion Sensor* IMV = Factory Supplied Internal Microwave Motion Sensor*

* Remote Sold Separately

Required power supply for motion sensor included

MAGNILUMEN PLUS MARINE GRADE HIGH OUTPUT PART BUILDER

MRK	# of Bars	Length of Bar	Wattage	Color	PLUS-HO	Options
	1 2	2 = 2 feet 4 = 4 feet	30W = 2 feet 60W = 4 feet	40K 50K		NL = No Lens CL = Clear Lens EM15 = 15W Emergency Battery Backup EM20 = 20W Emergency Battery Backup EMV = Factory Supplied External Microwave Motion Sensor* IMV = Factory Supplied Internal Microwave Motion Sensor*

* Remote Sold Separately

Required power supply for motion sensor included

Disclaimer: Optional accessories such as motion sensors and backup LED drivers are available for marine-grade applications; however, no warranty is offered on these items. Due to the harsh conditions and high salt content present in coastal and marine environments, these components are more susceptible to corrosion and premature failure.

HAZLOC WARNING: Magnilumen Marine-Grade retrofit kits and accessories are not rated for hazardous location fixtures. Do not install in classified hazardous fixtures where explosive gases, vapors, or combustible dusts may be present.



LUMENS

Magnilumen Plus Marine Grade

WATTAGE	LUMENS WITH FROSTED LENS (STANDARD)	LUMENS WITH CLEAR LENS (OPTIONAL)	LUMENS WITH NO LENS
40	5400	6120	6480
50	6750	7650	8100
60	8100	9180	9720

Magnilumen Plus Marine Grade High Output

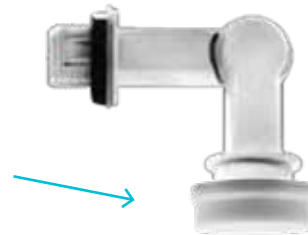
WATTAGE	LUMENS WITH FROSTED LENS (STANDARD)	LUMENS WITH CLEAR LENS (OPTIONAL)	LUMENS WITH NO LENS
30	4050	4590	4860
60	8100	9180	9720

OPTIONS

EXTERNAL MICROWAVE MOTION SENSOR

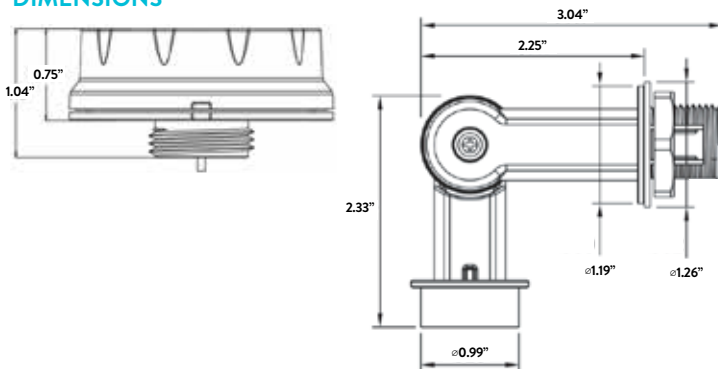
- Power Supply: 10-15VDC, <30mA
- HF System: 5.8GHz+75MHz
- Dim Control Output: DIM 0-10V
- Detection Distance: ≥3m/9ft
- Mounting Height: 12m/39ft Max.
- Input Range: 12VDC
- Temperature: -40°F-140°F (-40°C-60°C)

- Part Number: EMV

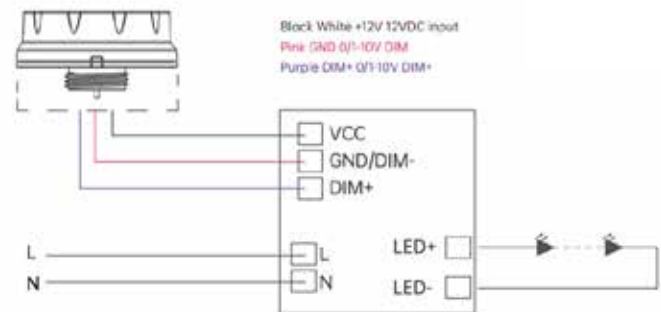


Part Number: ZL-REMOTE-HD05R
(Sold Separately)

DIMENSIONS



WIRING DIAGRAM



SENSOR POWER SUPPLY

- Input: 100-277VAC 50/60Hz
- Input Power: 5.5W Max
- Output: 12VDC 250mA
- Required power supply for motion sensor included



Disclaimer: Optional accessories such as motion sensors and backup LED drivers are available for marine-grade applications; however, no warranty is offered on these items. Due to the harsh conditions and high salt content present in coastal and marine environments, these components are more susceptible to corrosion and premature failure.

OPTIONS

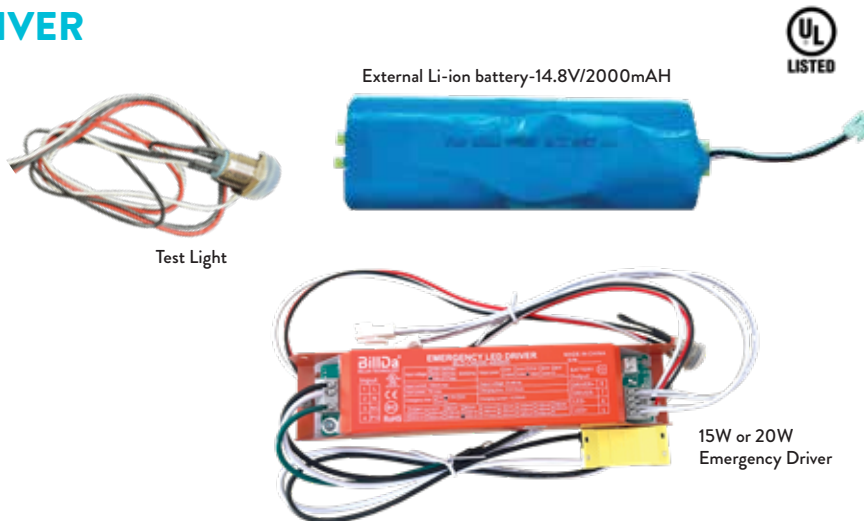
EMERGENCY BACK-UP LED DRIVER

- **Wattages:** 15W, 20W
- **Voltage Input:** 120/277V
- **Battery:** External Li-ion battery-14.8V/2000mAh
- **Battery Charging Time:** 24 hours
- **Operating Temperature:** 32 to 104F
- **Indicator:** Test switch and charging indicator light
- **Emergency Time:** 1.5 hours
- **Driver Dimensions (LxHxD):** 15W: 7.4" x 1.5" x 1.1"
20W: 7.4" x 1.5" x 1.2"
- **Battery Dimensions (LxHxD):** 15W: 6" x 1.5" x .75"
20W: 6" x 2.25" x .75"
- **Plug and Play Installation**
- **Warranty:** 5 year
- **Listed:** UL

- **Part Number:** BL-EMRG-LED-15-1H
BL-EMRG-LED-20-1H

LUMENS

	15W	20W
150 lm/W with Frosted Lens	2,250	3,000
170 lm/W with Clear Lens	2,550	3,400
180 lm/W with No Lens	2,700	3,600



INTERNAL MICROWAVE MOTION SENSOR

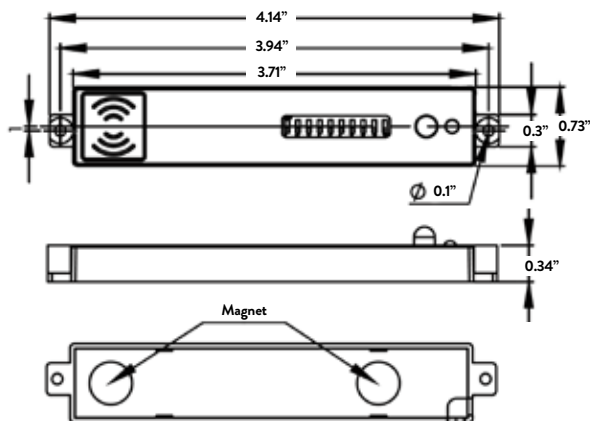
- **Power Supply:** 12V-24VDC, >50mA
- **HF System:** 5.8GHz+75MHz
- **Dim Control Output:** 0-10V, max. 25mA sinking current
- **Detection Radius / Angle:** 0-10V, max. (5.m) @8ft. (2.5) height/360°
- **Mounting Height:** Max. 20ft (6m)
- **Remote Range:** 50ft. (15m) indoor, no blacklight
- **Humidity:** Max. 95% RH
- **Temperature:** -40°F-158°F (-40°C-70°C)

- **Part Number:** IMV



Part Number: ZL-REMOTE-RC-100
(Sold Separately)

DIMENSIONS



WIRING DIAGRAM

