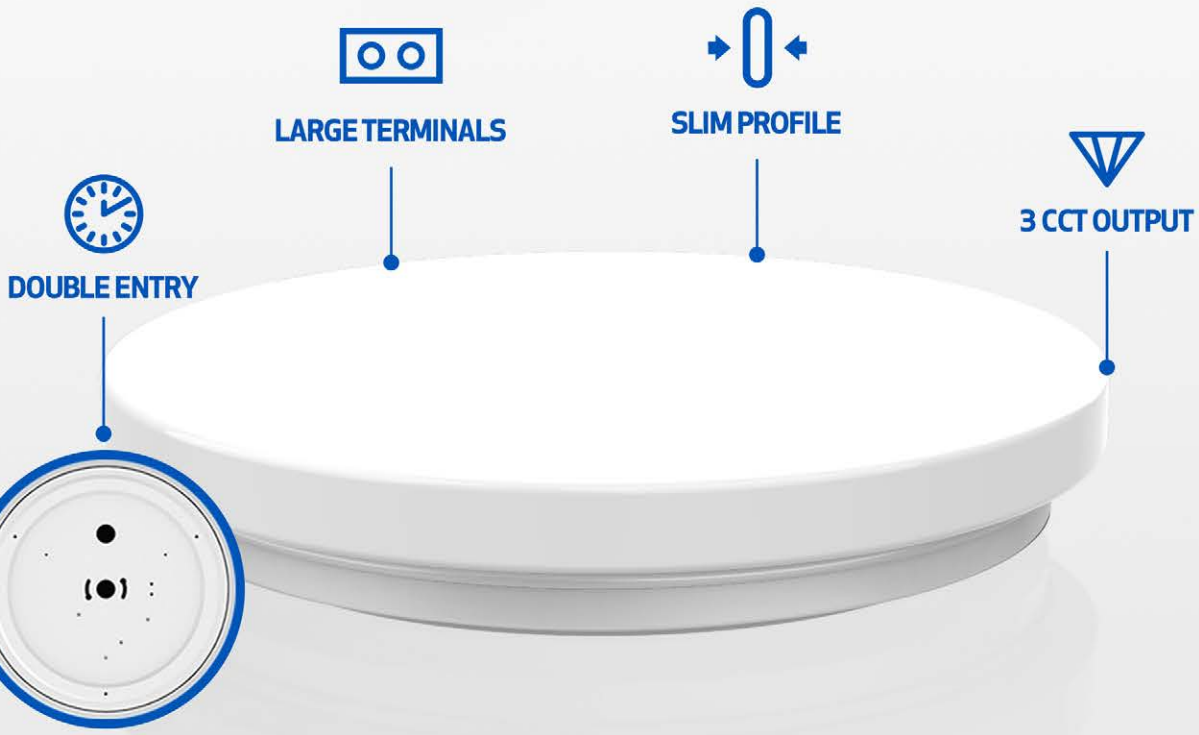
M-ELEC

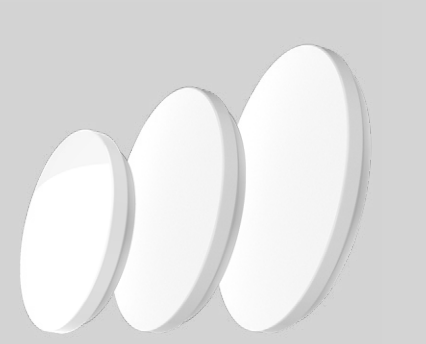
MR

V3 OYSTER



V3 OYSTER

MR Oyster



Product Information

An updated version of our highly popular MR oyster is finally here. The new Oyster series has expanded its range to include 12W, 18W, 24W and 30W options. Our new multi-fit base with 2 cable entry points, large terminal blocks, and additional mounting holes allows for the ultimate in flexibility whether installing new or retrofitting old. Durable 2mm thick, PMMA, quarter turn flexible diffuser resists damage and large base provides extra rigidity. 3CCT light output for further flexibility. An accessory sensor is available for the 18W and 24W models.

5 year warranty

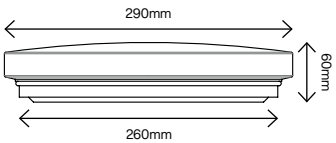
TECHNICAL INFORMATION

	ML-MROY-12-M	ML-MROY-18-M	ML-MROY-24-M	ML-MROY-30-M
Total Power	12W*	18W*	24W*	30W*
Lumen Output	WW 900lm** | NW 1000lm** | W 950lm**	WW 1400lm** | NW 1600lm** | W 1500lm**	WW 1850lm** | NW 2100lm** | W 2000lm**	WW 2300lm** NW 2700lm** | W 2500lm**
Efficacy	75 - 93lm/W	80 - 93lm/W	78 - 93lm/W	77 - 97lm/W
Colour Temperature	WW 3000K | NW 4000K | W 6000K			
IP Rating	IP44			
CRI	80+			
Beam Angle	180°			
Dimmable	No			
Power Supply	Intergrated driver			
Power Factor	0.8	0.9		
Frequency	50Hz			
Average Life	40,000hrs***			
Operating Temperature	-20°C to 40°C			
Compliance	SAA, C-TICK			
Connection	PA14 Terminal block			
LED Chip Brand	SMD2835			
Materials	Iron base & PMMA diffuser			
Dimensions: Base	Ø 290 mm | H 60 mm | Base Ø 260mm	Ø 350 mm | H 60 mm | Base Ø 320mm	Ø 410 mm | H 60 mm | Base Ø 380mm	
Weight	0.4kg	0.55kg	0.8kg	
Kit Includes	1x oyster ceiling light, 1x user manual, 1x installation kit			

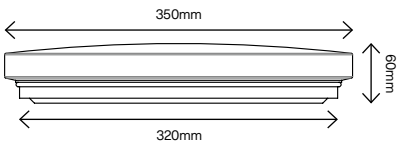
* Total power consumed including driver
** Lumen output may vary upon installation environment
** Average life is calculated on expected average lifespan

DIMENSIONS

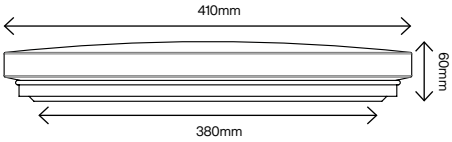
12W Oyster



18W Oyster



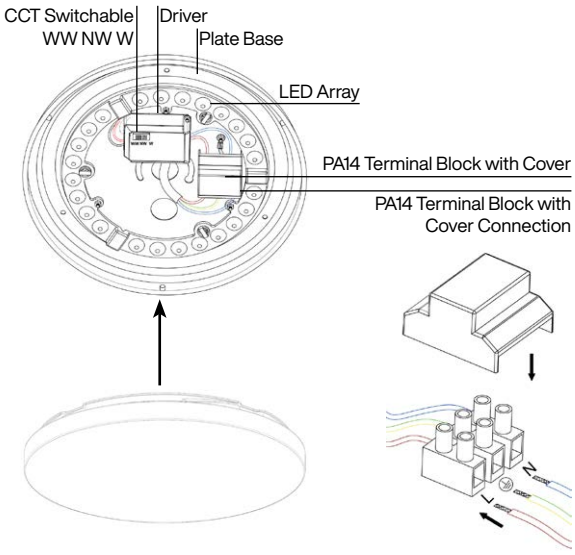
24W & 30W Oyster



T. 1300 222 445 | www.melec.com.au
Data subject to change. Visit our website for up to date information
For further information about our warranties please go to:
melec.com.au/legal/warranties

INSTALLATION INSTRUCTIONS

1. Ensure all power is off before beginning installation.
2. Remove the cover of the oyster by twisting the diffuser in an anti-clockwise direction and pulling off.
3. Place the base against the wall/ceiling and fix securely using suitable screws/fixing methods.
4. Wire up the terminal according to the L/E/N marks.
5. Select correct output colour on the colour selection switch.
6. Seal any holes to prevent insects getting inside and reinstall the diffuser by placing it onto the base and twisting slightly in a clockwise direction.
7. Test the safety and operation in accordance with all standards.



PLEASE NOTE

MUST BE INSTALLED BY A LICENSED ELECTRICIAN

- Read instructions carefully before attempting to install the fitting. Retain this guide for future reference
- Disconnect power before installing or servicing
- All components must not be mechanically stressed
- Follow all relevant electrical and safety standards (including AS3000)
- Damage by corrosion will not be honoured as a material defect claim. It is the user's responsibility to provide suitable protection against corrosive agents such as moisture, condensation and other harmful elements
- The light source of this luminaire is not replaceable - the whole luminaire should be replaced.

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ACCESSORY INSTALLATION

MR

Microwave Sensor

ML-MROYS-MS

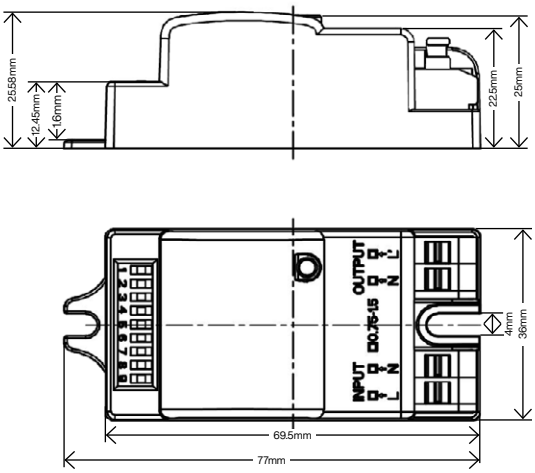
Compatible with:

- **Oyster V2**
- **Oyster V3**

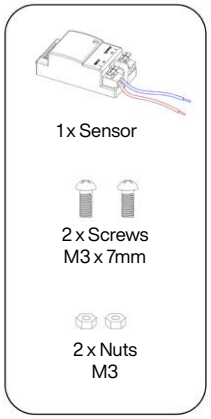
TECHNICAL INFORMATION

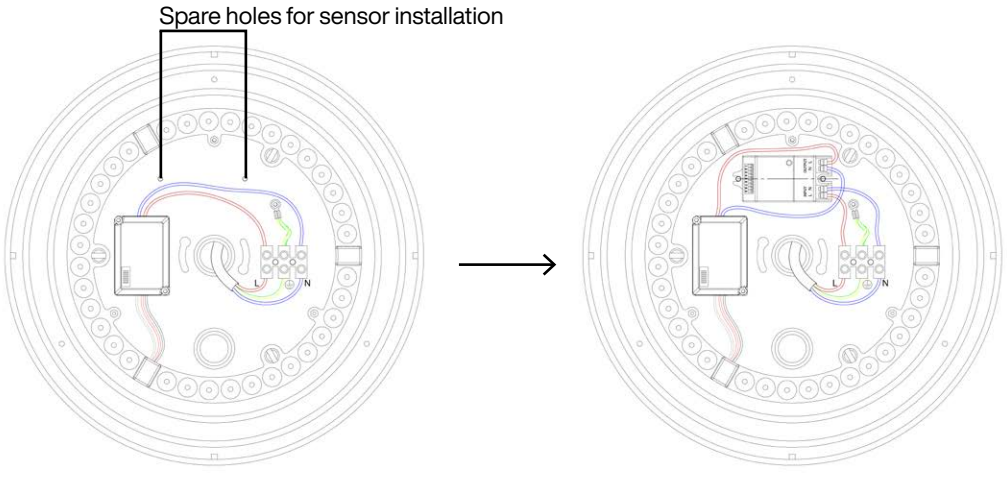
	ML-MROYS-MS
Total Power Consumed	<=0.5W
Detecting Angle	150°
IP Rating	IP20
Load Capacity	Inductive 400W | Resistive 800W
Frequency	5.8 GHz ±75 MH
Temperature Range	-20°C to +40°C
Suits Cable	0.75-1.5mm^2
Dimensions	L 77mm W 36mm H 25.6mm

DIMENSIONS



SENSOR KIT & COMPARISON



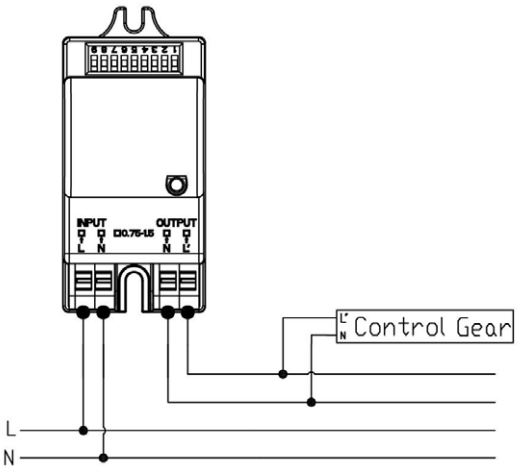


ML-MROY - Without Sensor

ML-MROY - With Sensor

SENSOR INSTALLATION INSTRUCTIONS

1. Ensure all power is off before beginning installation.
2. Remove the cover of the oyster by twisting the diffuser in an anti-clockwise direction and pulling off.
3. Install the sensor into a suitable location on the base plate of the fitting
4. For sensor versions, set the microwave sensor up according to your preferred settings (on time, sensitivity, lux levels).
5. Connect supply cables to the input terminal of sensor: Live (Brown) to L, Neutral (Blue) to N.
6. Connect output cables to sensor terminals: Live Out (Brown) to L', Neutral (Blue) to N.
7. Connect output cable from sensor to LED driver: Live (Brown) to L, Neutral (Blue) to N.
8. It is not possible to have more than one microwave sensor on a circuit (no parallel sensor to sensor wiring).



Detection area

1	**2**	**3**	
ON	ON	ON	100%
-	ON	ON	75%
ON	-	ON	50%
-	-	ON	25%
-	-	-	10%

Hold time

1	2	3	
ON	ON	ON	5s
-	ON	ON	30s
ON	-	ON	90s
-	-	ON	3 min
ON	ON	-	20min
-	-	-	30min

Daylight sensor

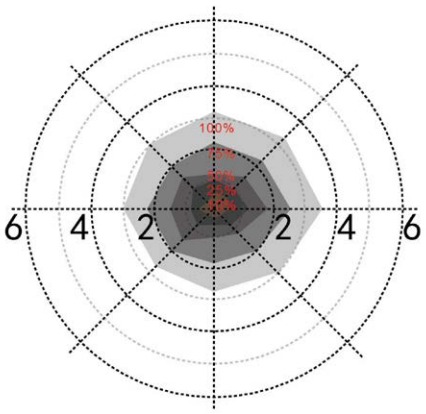
1	2	3	
ON	ON	ON	100%
-	ON	ON	75%
ON	-	ON	50%
-	-	ON	25%
-	-	-	10%

ACCESSORY - DETECTION PATTERN

CEILING MOUNT 3M

Sensitivity: 100% / 75% / 50% / 25% / 10%

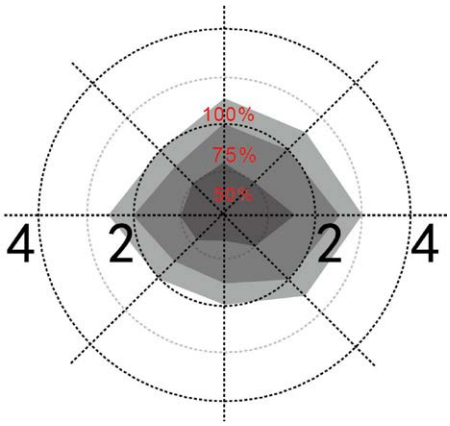
Normal moving (Speed: 1m/s)



CEILING MOUNT 6M*

Sensitivity:100% / 75% / 50%

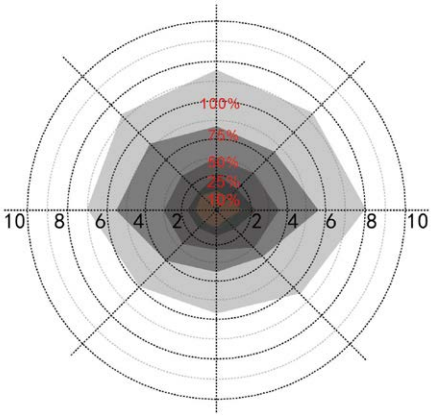
Normal moving (Speed: 1m/s)



* 50%, 75% or 100% detection sensitivity is workable when installed at 6m mounting height. Only 10% and 25% sensitivity is not able to detect motion signal.

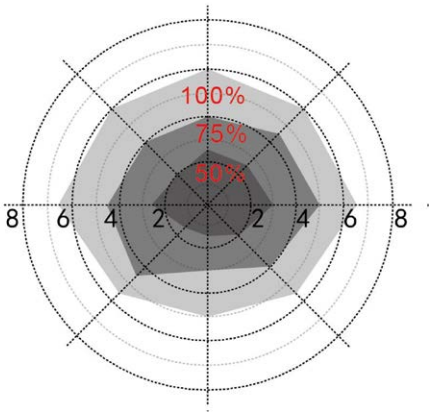
CEILING MOUNT 3M

Slow moving (Speed 0.3m/s)



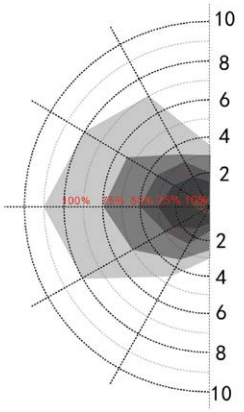
CEILING MOUNT 6M

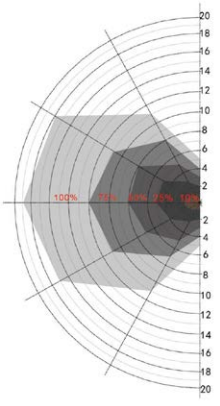
Slow moving (Speed: 0.3m/s)



WALL MOUNT 2M

Sensitivity: 100% / 75% / 50% / 25% / 10%





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