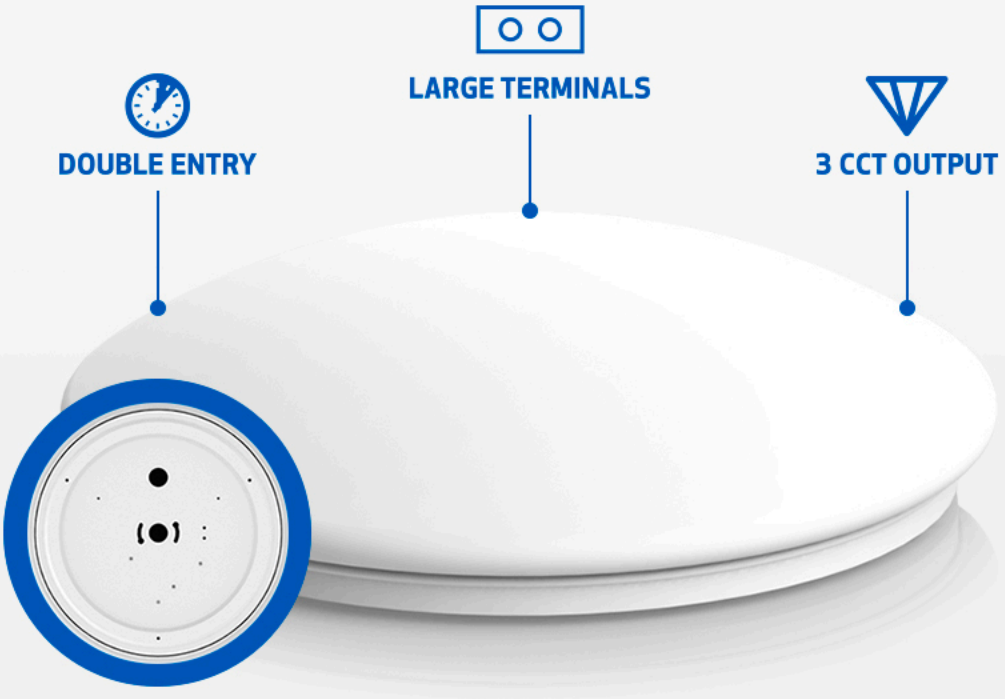
M-ELEC

V2 OYSTER

V2 | OYSTER

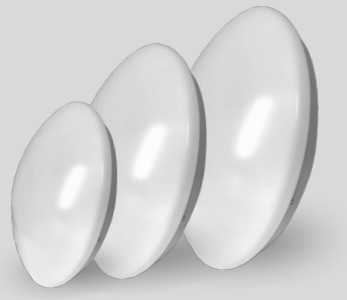


MR Oyster

ML-MROYS12-V2-M, ML-MROYS18-V2-M, ML-MROYS24-V2-M, ML-MROYS30-V2-M

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.

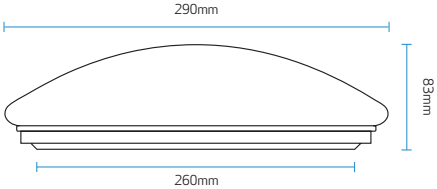


5 year warranty

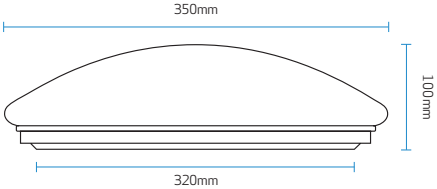
TECHNICAL INFORMATION

	ML-MROYS12-V2-M	ML-MROYS18-V2-M	ML-MROYS24-V2-M	ML-MROYS30-V2-M
Total Power	12W	18W	24W	30W
Lumen Output:	850lm (WW) | 950lm (NW) | 900lm (W)	1,300lm (WW) | 1,500lm (NW) | 1,400lm (W)	1,600lm (WW) | 1,800lm (NW) | 1,700lm (W)	2300lm (WW) | 2700lm(NW) | 2500lm (W)
Colour Temp:	3,000K (WW) | 4,000K (NW) | 6,000K (W)			
IP Rating:	IP44			
CRI:	80+			
Efficacy:	75 - 79 LM/W	72 - 77 LM/W	66 - 70 LM/W	76 - 83 lm/w
Beam Angle:	180 degrees			
Dimmable:	No			
Power Supply:	Intergrated driver			
Power Factor	>0 . 9			
Frequency	50/60Hz			
Average Life:	40,000hrs**			
Dimensions : Base :	Dia: 290 mm | Height: 83 mm | Base dia: 260mm	Dia: 350 mm | Height: 100 mm | Base dia: 320mm	Dia: 410 mm | Height: 100 mm | Base dia: 380mm	
Weight	0.42kg	0.6kg	0.75kg	
Operating Temp	-20°C to 40°C			
Compliance	SAA			
Connection	PA14 Terminal block			
LED Chip Brand	SMD2835			
Materials:	Iron & PMMA 2mm thick diffuser			
Kit Includes	1 x LED oyster, 1 x Inbuilt driver			

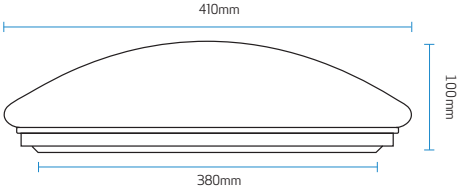
12W Oyster



18W Oyster

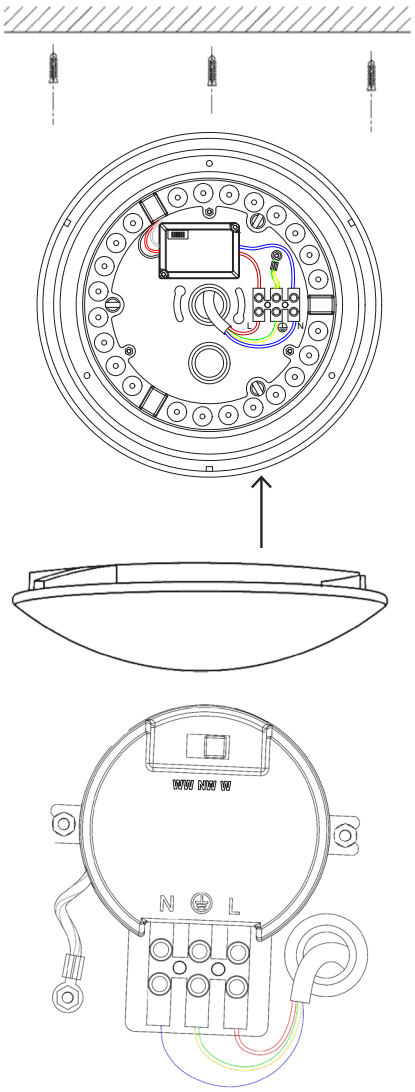


24W & 30W Oyster



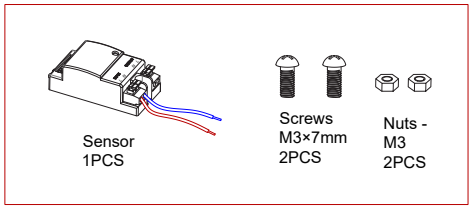
INSTALLATION INSTRUCTIONS

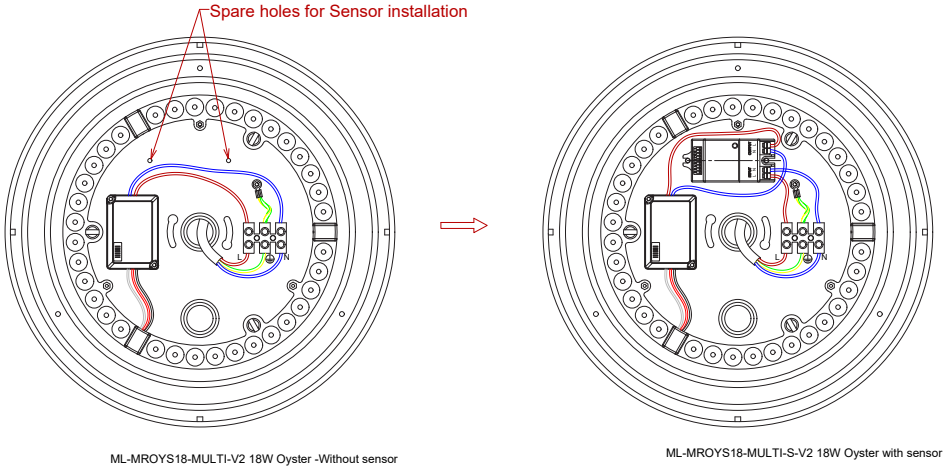
1. Ensure all power is off before beginning installation.
2. Remove the cover of the oyster by twisting the diffuser in an anti-clockwise direction and pulling off.
3. Place the base against the wall/ceiling and fix securely using suitable screws/fixing methods.
4. Wire up the terminal according to the 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.



SENSOR INSTALLATION INSTRUCTIONS

ML-MROYS-MS





ML-MROYS18-MULTI-V2 18W Oyster -Without sensor

ML-MROYS18-MULTI-S-V2 18W Oyster with sensor

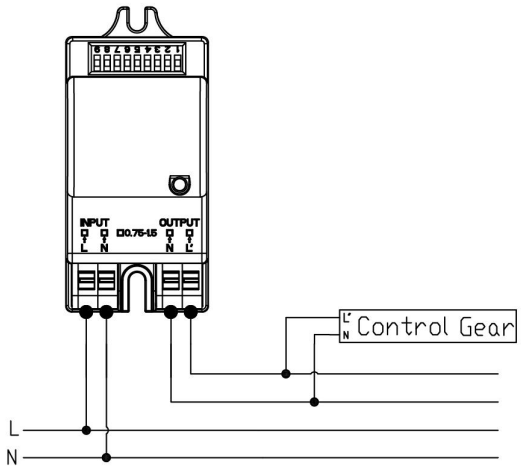
PLEASE NOTE

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
- Insulation distance: Building insulation and building elements may abut the luminaire on the sides and/or the top.
- The light source of this luminaire is not replaceable - the whole luminaire should be replaced.
- If the flexible cord that is damaged can only be replaced by the manufacturer, its service agent, or a similarly qualified person.

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 terminal of sensor: Live (Brown) to L, Neutral (Blue) to N.
6. Connect output cables 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%

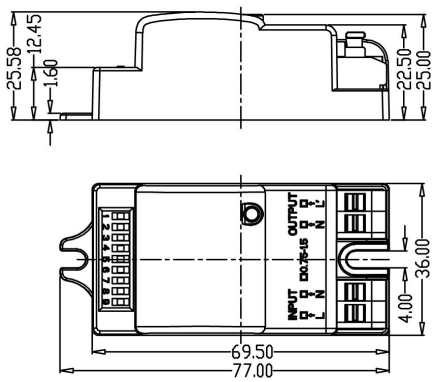
Hold time

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%

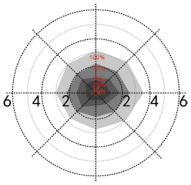
DIMENSION



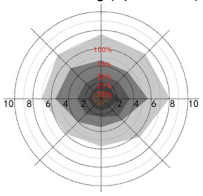
Total power consumed	<=0.5W
Load capacity	400W(Inductive) 800W(Resistive)
Frequency	5.8 GHz ±75 MH
Detection angle	150°

DETECTION PATTERN

Ceiling mounted height: 3m
Sensitivity: 100%/75%/50%/25%/10%

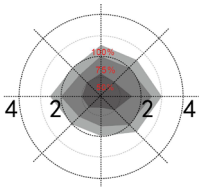


Normal moving (Speed:1m/s)

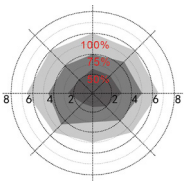


Slow moving (Speed 0.3m/s)

Ceiling mounted height: 6m(*)
Sensitivity:100%/75%/50%



Normal moving (Speed:1m/s)

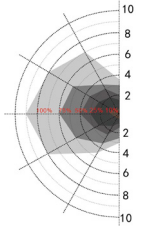


Slow moving (Speed: 0.3m/s)

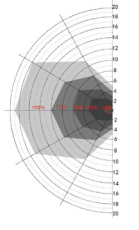
*50%,75%,100% detection sensitivity is workable when installed at 6m mounting height. Only 10%,25% sensitivity is not able to detect motion signal.

Wall mounting:

Wall mounted height: 2m
Sensitivity: 100%/75%/50%/25%/10%



Normal moving (Speed：1m/s)



Slow moving (Speed 0.3m/s)

FREE ONSITE WARRANTY

EXCLUSIVE TO MEMBERS ONLY

M-WORLD

FREE ONSITE WARRANTY FOR 3 YEARS
INCLUDES PARTS & LABOUR

In conjunction with your standard product warranty

M-ELEC

Version 5