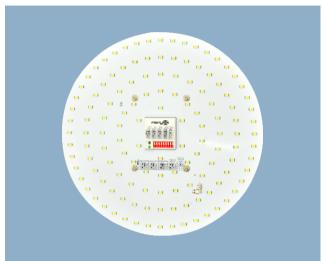


MLC12C-P2D ON-OFF / 3-step dimming function For 2D LED ceiling light





Introduction

- Integration of microwave motion sensor, daylight sensor and LED power supply.
- Automatic switching and dimming based on motion and light level.
- Unique design makes the driver suitable to 2D LED ceiling light.
- Detection area, time delay and daylight threshold can be precisely set via DIP switch.

Sensor DIM LED drivers, originally pioneered by Merrytek, are innovative products integrated with HF motion detector, daylight sensor and LED power supply.

The products supply a simple energy-saving solution for LED lights. As all control parts are integrated in a same housing, it is very easy to assemble and save labor cost.

Mini size make the drivers can be installed in luminaires and no dark area when turn on the light.



Max.8M



Light Sensor



Hold Time



Mounting Height



Automatic





3 Years Guarantee



Optional Function

ON-OFF Function

The products provide ON-OFF and steps dimming function for LED lighting, users can select the right function according to different applications.



With sufficient ambient light, the sensor does not switch on the lamp.



With insufficient ambient light, the sensor switches on the lamp when motion is detected.



After hold time, the lamp gradually dims down if no motion detected.

3-step dimming function



With sufficient ambient light, the sensor does not switch on the lamp.



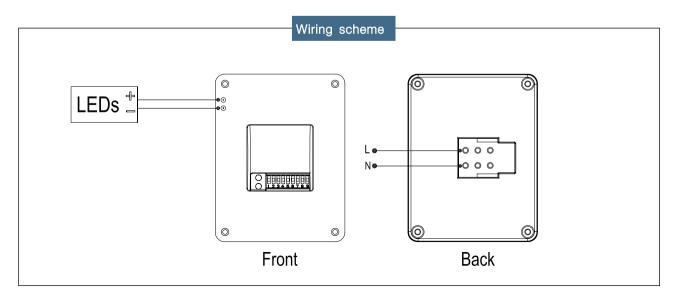
With insufficient ambient light, the sensor switches on the lamp when motion is detected.



After hold time, the sensor dims the lamp at a low light level if no new motion trigger.

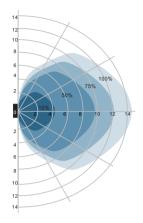


After stand-by period, the sensor switches off the lamp if no motion is detected in its detection zone.

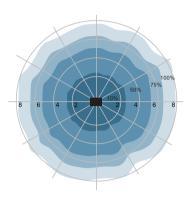




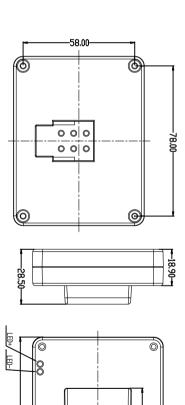
Detection Pattern



Wall mounting pattern (Unit: m) Suggested installation height: 1-1.8m



Ceiling mounting pattern (Unit: m) Suggested installation height: 2.5-6m

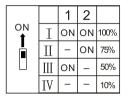


MLC12C-P2D			
Model NO.	MLC12C-P2D		
Operating voltage	220~240Vac, 50/60Hz		
Output constant current	270mA fixed before leaving factory		
Output voltage	DC30-42V, 10-15pcs LEDs		
Efficiency	≥80%		
Power factor	≥0.9		
HF system	5.8GHz±75MHz, ISM wave band		
Transmitting power	<0.5mW		
Power consumption	≤1W(standby)		
Detection zone	Max.(D x H)16m x 6m		
Detection sensitivity	10% / 50% / 75% / 100%		
Hold time	5s/90s/3min/10min		
Corridor function	0s/30s/10min/+∞		
Daylight sensor	5lux / 15lux / 50lux / Disable		
Stand-by dimming level	35% / 50%		
Mounting height	6m Max.		
Motion detection	0.5~3m/s		
Detection angle	150° (Wall installation)		
	360° (Ceiling installation)		
Working temperature(Ta)	-20℃~50℃		
Size (ФхН)	88*68*28.5mm		
IP rating	IP20		



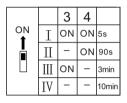
Setting

By selecting the combination on the DIP switch, sensor data can be precisely set for each specific application.



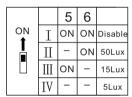
Detection area

Detection area can be reduced by selecting the combination on the DIP switches to fit precisely each application.



Hold time

Refers to the time period the lamp remains at 100% illumination after no motion detected.

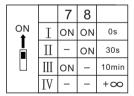


Daylight sensor

The sensor can be set to only allow the lamp to illuminate below a defined ambient brightness threshold.

When set to Disable mode, the daylight sensor will switch on the lamp when motion is detected regardless of ambient light level.

50lux: twilight operation, 15lux, 5lux: darkness operation only.



Corridor function (Stand-by period)

Refers to the time period the lamp remains at a low light level before it completely switches off in the long absence of people.

When set to "+ ∞ ", the low light is maintained until motion is detected.

When set to "0s", the light will turn off after hold time.

ON		9	
	Ι	ON	50%
	\coprod	_	35%

Stand-by dimming level

The low light level you would like to have after the hold time in the long absence of people.