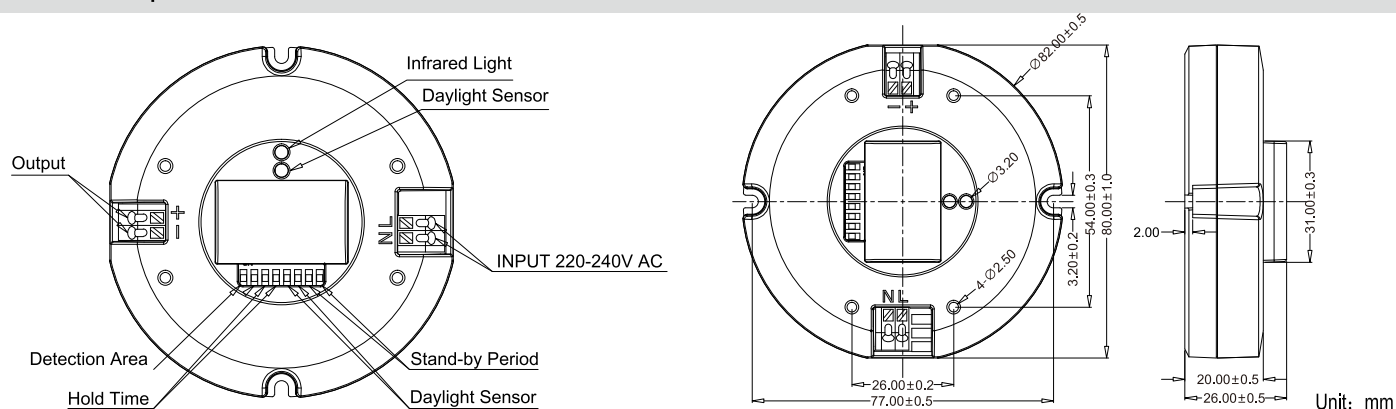




Feature

- Conform to ERP standard, micro-power consumption
- 5.8GHz ISM brand, can be batch RED,FCC certification
- Non-isolated, Flicker-free, Driver+sensor 2 in 1
- With corridor function , light priority function, suitable for all kinds of use scenes
- Compact size, easy to install inside the lamps and lanterns
- All parameters can be adjusted via DIP switch

Technical Specifications



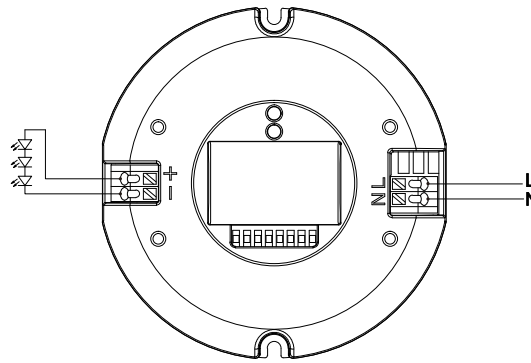
Model No.	MLC28C-NDP2
Operating voltage	220~240Vac,50/60Hz
Input current	≤0.17A
Output constant current	Single current: 450mA/500mA/550mA/700mA
Output power MAX.	25W
Output voltage	24-42Vdc(450mA/500mA/550mA) 24-36Vdc(700mA)
Efficiency	≥86% (@Full load)
Power factor	≥0.9 (@Full load)
HF system	5.8Ghz±75Mhz, ISM wave band
Transmitting power	1mW
Power consumption	≤0.1W (standby)
Detection range	Diameter 8m(@ 6m mounting height)
Detection area	25%/50%/75%/100%
Hold time	5s/1min/5min/10min
Stand-by period	0s/1min/10min/+∞
Daylight sensor	5Lux/25Lux/50Lux/Disable
Stand-by dimming level	20%
Mounting height	6m Max.
Motion detection	0.5~3m/s
Detection angle	150° (Wall installation) 360° (Ceiling installation)
Working temperature (Ta)	-25°C~45°C
Size (ø x H)	ø82x28.5mm
IP rating	IP20

General Guidelines for Installation



- 1, Please ensure that the electricity supply is switched off before installing or servicing the product.
- 2, The product should not be modified in any way. Any modifications made to this product will immediately invalidate any warranties issued.
- 3, The company does not accept responsibility for any consequences resulting from unauthorized modification of the product.
- 4, Microwaves cannot pass through metal or brick walls if thicker than 20cm. They will pass through thinner walls but there will be some attenuation.

Wiring Scheme



Sensor Data Setting

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

		1	2	
ON	I	ON	ON	100%
	II	ON	-	75%
	III	-	ON	50%
	IV	-	-	25%

Detection area

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

		3	4	
ON	I	ON	ON	5s
	II	ON	-	1min
	III	-	ON	5min
	IV	-	-	10min

Hold time

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

		5	6	
ON	I	ON	ON	5Lux
	II	ON	-	25Lux
	III	-	ON	50Lux
	IV	-	-	Disable

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, 25lux, 5lux: darkness operation only.

		7	8	
ON	I	ON	ON	0s
	II	ON	-	1min
	III	-	ON	10min
	IV	-	-	+∞

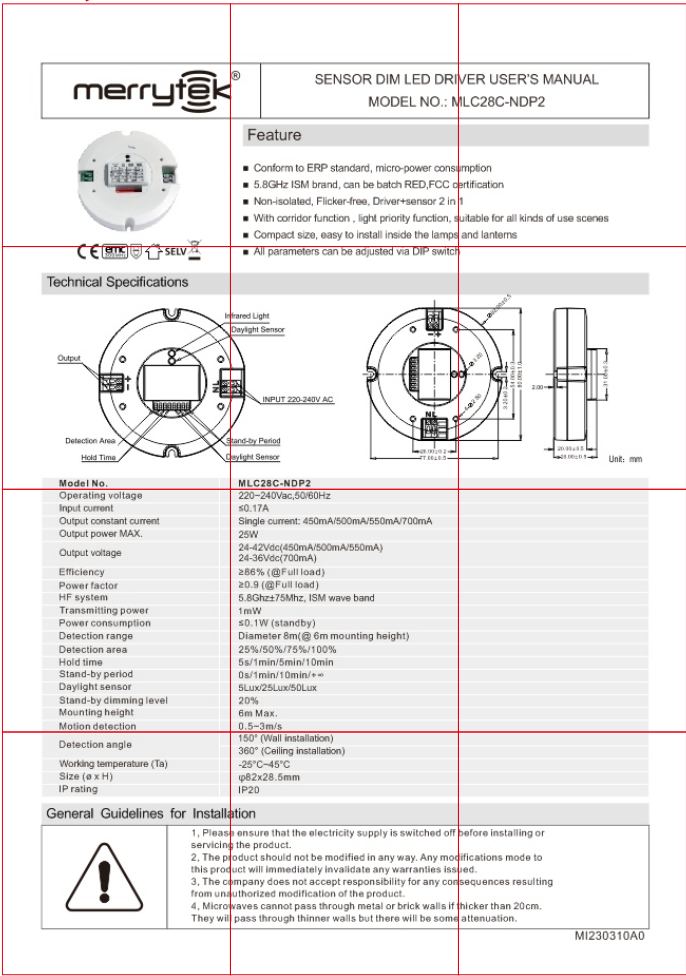
Corridor function (Stand-by period)

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.

FAQ

Question	Cause	Remedy
The load will not illuminate.	Incorrect daylight sensor setting selected.	Adjust setting.
	Load has failed.	Replace load.
	Power is switched off.	Switch on
The load is permanently illuminated.	Continuous movement in the detection area.	Check detection area setting.
	The lamp (containing sensor) is installed in an area too close to reflective surfaces, i. e. metal, glass or concrete walls.	1, Make sure installation area suitable with at least 30cm space between lamp and surrounding reflective surfaces. 2, Reduce sensitivity (detection area).
The load will not illuminate despite movement.	Speed of moving object is not in the range of 0.5~3m/s or the detection radius is too small.	Check detection area setting.



材质：70G书写纸 210*297mm 黑白双面印
成品尺寸:74.25*70MM

△				产品名称	一体化电源	物料名称	说明书	视角	⊕
△				物料编码	MLC28C-NDP2	物料编号	1050020001346	版本	A0
△				设计	陈阳	20230310	材料	合成纸	数量
序号	变更内容	变更人	日期	审核			深圳迈睿智能科技有限公司		
路径	2-辅助设计\1-包装类\MLC一体化电源\MLC28C-NDP2			批准			ShenZhenMerrytekTechnologyCO.,LTD		

±0.5°		没有指定角度可接受	
±0.4	±0.3	±0.2	±0.1
600>L>300	300>L>100	100>L>20	20>L