

Stand-alone Sensor

MC040S



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MC034S



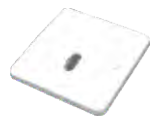
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MSA001



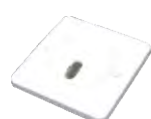
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MSA002

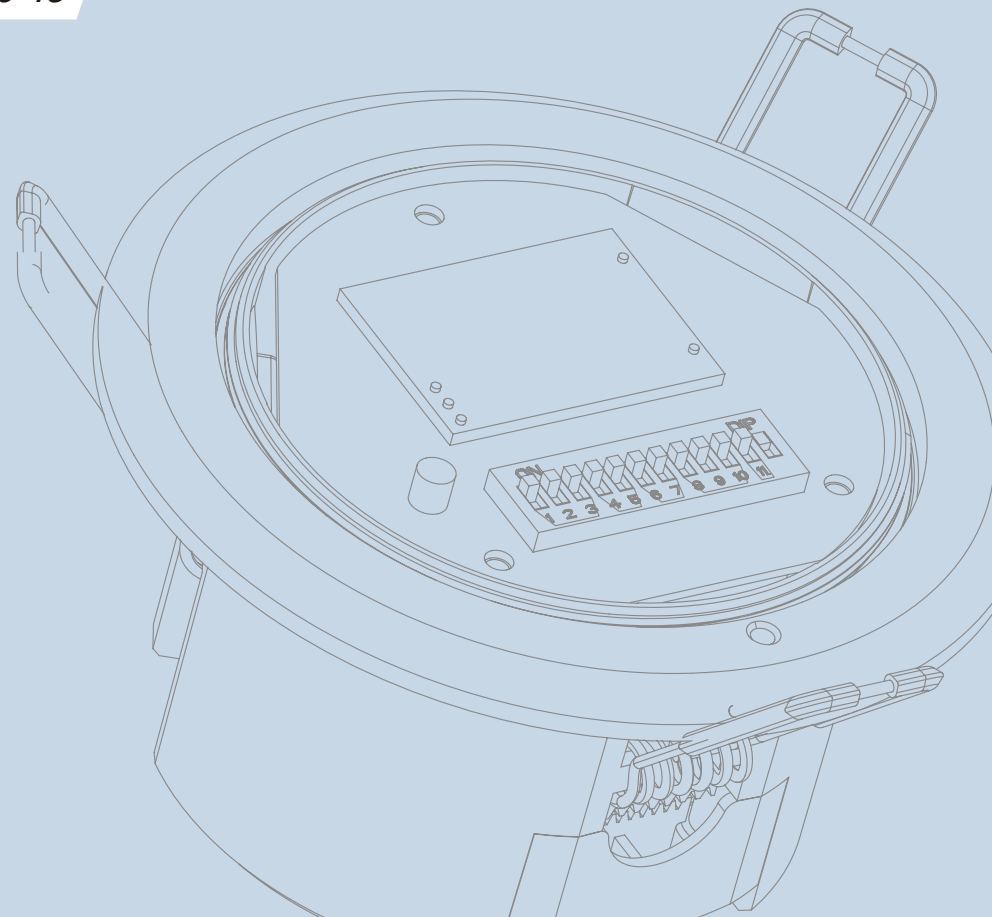


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MSA003

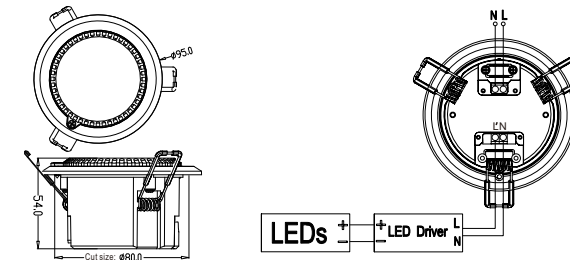
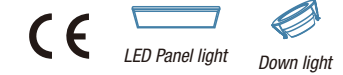


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MC040S

ON-OFF Function / Flush Mounted Version



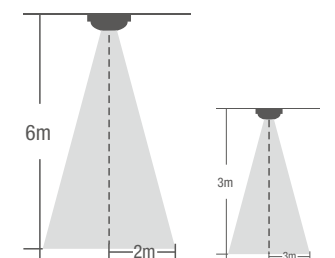
SPECIFICATIONS

Operating voltage	220~240Vac
Rated Load	400W(Inductive), 800W (Resistive)
HF system	5.8GHz±75MHz, ISM wave band
Transmitting power	<0.5mW
Power consumption	≤0.5W(stand-by)
Detection Area(Radius)	4m Max.
Max. Mounting height	6m
Hold time	5s/30s/90s/3min/20min/30min
Stand-by Period	N/A
Stand-by DIM Level	N/A
Daylight sensor	5lux/15lux/30lux/50lux/100lux/150lux/Disable
Operating temperature	-25℃~55℃
IP rating	IP20



Stand-alone Sensor

Detection Pattern (max / min)



Detection area*

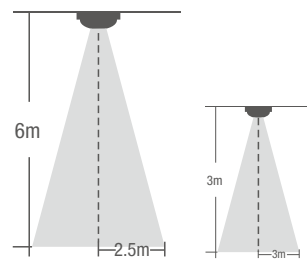
100%	2m	3m
75%	1m	2m
50%	0.5m	1m
25%	0m	0.5m

*These data were tested by a 165cm height person and his walking speed is 1m/s.

Stand-alone Sensor



Detection Pattern (max / min)

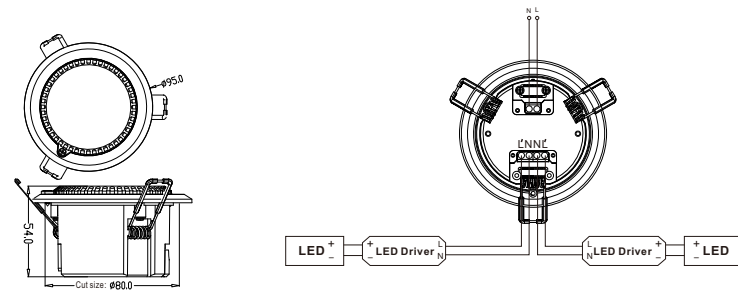


Detection area*

100%	2.5m	3m
75 %	2m	2.5m
50 %	1m	2m
25%	0.5m	1m

*These data were tested by a 165cm height person and his walking speed is 1m/s.

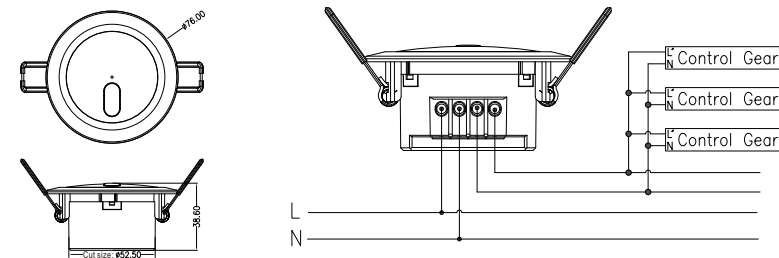
MC034S Dual-output Occupancy Sensor



SPECIFICATIONS

Operating voltage	220~240Vac
Rated Load	200W(Inductive), 400W (Resistive)
HF system	5.8GHz±75MHz, ISM wave band
Transmitting power	<0.5mW
Power consumption	≤ 1W(stand-by)
Detection Area(Radius)	4m Max.
Max. Mounting height	6m
Hold time	Ch1:5s/90s/3min/10min Ch2:5s/5min/10min/20min
Stand-by Period	N/A
Stand-by DIM Level	N/A
Daylight sensor	5lux/15lux/50lux/disable
Operating temperature	-25℃ ~55℃
IP rating	IP20

MSA001 ON-OFF Function / Flush Mounted Version



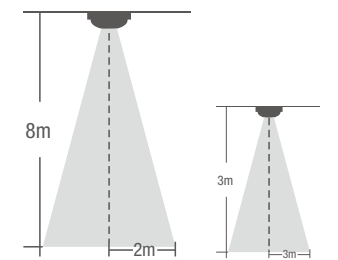
SPECIFICATIONS

Operating voltage	220~240Vac
Rated Load	400W(Inductive), 800W (Resistive)
HF system	5.8GHz±75MHz, ISM wave band
Transmitting power	<0.5mW
Power consumption	≤ 0.5W(stand-by)
Detection Area(Radius)	6m Max.
Max. Mounting height	8m
Hold time	5s/30s/90s/3min/20min/30min
Stand-by Period	N/A
Stand-by DIM Level	N/A
Daylight sensor	2lux/10lux/25lux/50lux/disable
Operating temperature	-25℃ ~55℃
IP rating	IP20



Stand-alone Sensor

Detection Pattern (max / min)



Detection area*

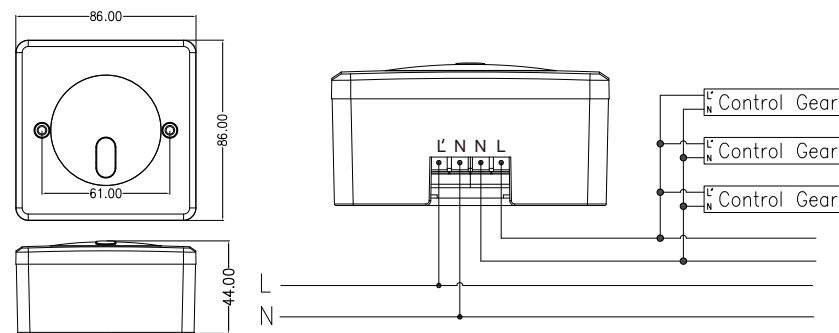
100%	2m	3m
75 %	1m	2m
50 %	0.5m	1m
25%	0m	0.5m

*These data were tested by a 165cm height person and his walking speed is 1m/s.



Stand-alone Sensor

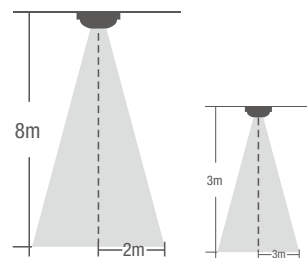
MSA002 ON-OFF function / Ceiling Mounted Version



SPECIFICATIONS

Operating voltage	220~240Vac
Rated Load	400W(Inductive), 800W (Resistive)
HF system	5.8GHz±75MHz, ISM wave band
Transmitting power	<0.5mW
Power consumption	≤0.5W(stand-by)
Detection Area(Radius)	6m Max.
Max. Mounting height	8m
Hold time	5s/30s/90s/3min/20min/30min
Stand-by Period	N/A
Stand-by DIM Level	N/A
Daylight sensor	2lux/10lux/25lux/50lux/disable
Operating temperature	-25℃ ~55℃
IP rating	IP20

Detection Pattern (max / min)

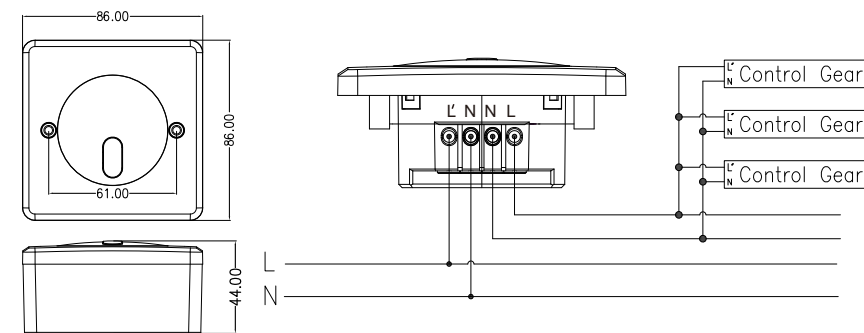
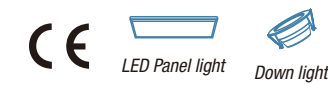


Detection area*

100%	2m	3m
75 %	1m	2m
50 %	0.5m	1m
25%	0m	0.5m

*These data were tested by a 165cm height person and his walking speed is 1m/s.

MSA003 ON-OFF function / Wall Mounted Version



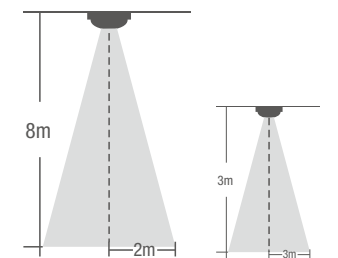
SPECIFICATIONS

Operating voltage	220~240Vac
Rated Load	400W(Inductive), 800W (Resistive)
HF system	5.8GHz±75MHz, ISM wave band
Transmitting power	<0.5mW
Power consumption	≤0.5W(stand-by)
Detection Area(Radius)	6m Max.
Max. Mounting height	8m
Hold time	5s/30s/90s/3min/20min/30min
Stand-by Period	N/A
Stand-by DIM Level	N/A
Daylight sensor	2lux/10lux/25lux/50lux/disable
Operating temperature	-25℃ ~55℃
IP rating	IP20



Stand-alone Sensor

Detection Pattern (max / min)

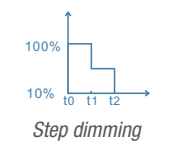


Detection area*

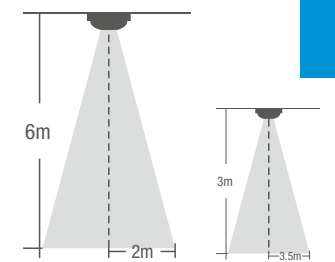
100%	2m	3m
75 %	1m	2m
50 %	0.5m	1m
25%	0m	0.5m

*These data were tested by a 165cm height person and his walking speed is 1m/s.

MLC16C-PE/MLC18C-P3/MLC28C-PE ON-OFF/ 3-step Dimming Function Standard Version

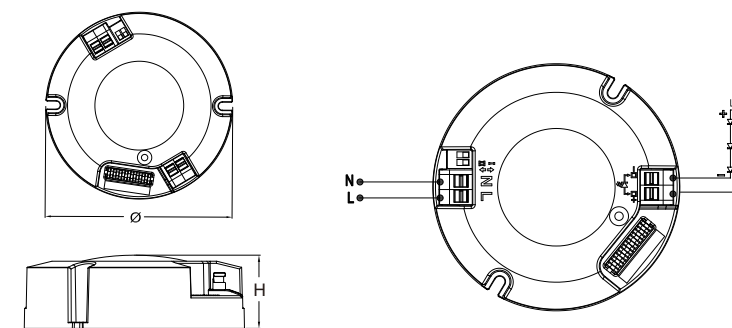


Sensor
DIM LED
Driver



Detection area*		
100%	2m	3.5m
50%	0.5m	1.5m

*These data were tested by a 165cm height person and his walking speed is 1m/s.

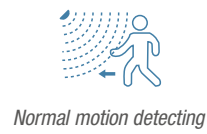
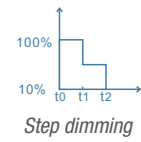


Sensor DIM LED Driver

MLC16C-PE MLC18C-P3 MLC28C-PE	MLC20C-P2	MLC40C-P4/ MLC40C-P5
Page 50	Page 51	Page 52
MLC68C-P3 MLC68C-P4 MLC68C-P5	MLC12C-P2D	MLC18C-PRF/ MLC18C-PRF2
Page 53	Page 54	Page 55
MLC40C-PA	MLC40C-T	MLC40C-T1
Page 57	Page 59	Page 61

SPECIFICATIONS

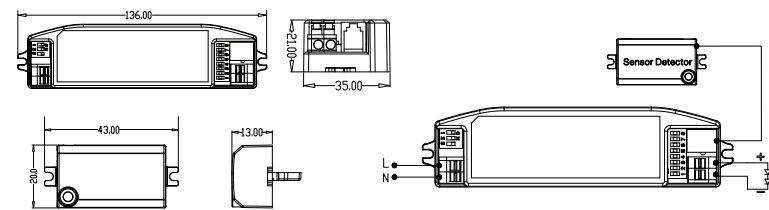
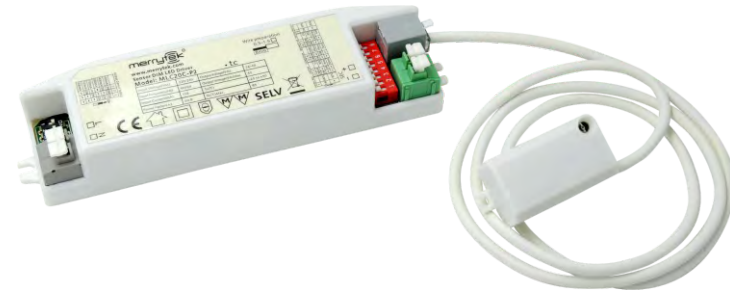
	MLC16C-PE	MLC18C-P3	MLC28C-PE
Input Voltage	220~240Vac	220~240Vac	220~240Vac
Output	28-52V/300mA	28-52V/350mA	22~40V;450mA/550mA/600mA/700mA
HF system	5.8GHz±75MHz, ISM wave band	5.8GHz±75MHz, ISM wave band	5.8GHz±75MHz, ISM wave band
Transmitting power	<0.5mW	<0.5mW	<0.5mW
Power consumption	≤0.5W(stand-by)	≤0.5W(stand-by)	≤0.5W(stand-by)
Detection Area(Radius)	4m	4m	4m
Max. Mounting height	6m	6m	6m
Daylight sensor	5lux/15lux/50lux/disable	5lux/15lux/50lux/disable	5lux/15lux/50lux/disable
Hold time	5s/90s/3min/10min	5s/90s/3min/10min	5s/90s/3min/10min
Stand-by Period	0s/30s/10min/+∞	0s/30s/10min/+∞	0s/30s/10min/+∞
Stand-by DIM Level	10%/25%	10%/25%	10%/25%
Operating temperature	-25℃~50℃	-25℃~50℃	-25℃~45℃
IP rating	IP20	IP20	IP20
Dimension(φ×H)	68x28.5mm	68x28.5mm	82x28.5mm



Sensor
DIM LED
Driver

MLC20C-P2

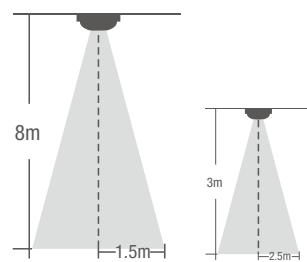
ON-OFF/ 3-step Dimming Function For LED Ceiling and Tri-proof Light



SPECIFICATIONS

Input Voltage	220~240Vac
Output	28-42Vdc;300mA/320mA/350mA/380mA/400mA/450mA
HF system	5.8GHz±75MHz, ISM wave band
Transmitting power	<0.5mW
Power consumption	≤0.5W(stand-by)
Detection Area(Radius)	6m Max.
Max. Mounting height	8m
Daylight sensor	5lux/15lux/30lux/disable
Hold time	5s/90s/3min/10min
Stand-by Period	0s/30s/10min/+∞
Stand-by DIM Level	10%/25%
Operating temperature	-25℃ ~50℃
IP rating	IP20

Detection Pattern (max / min)



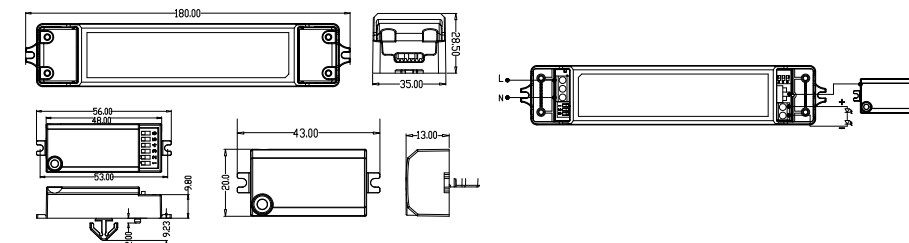
Detection area*

100%	1.5m	2.5m
50%	0.5m	1m

*These data were tested by a 165cm height person and his walking speed is 1m/s.

MLC40C-P4/MLC40C-P5

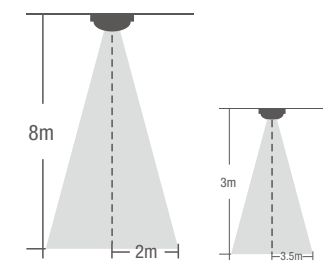
ON-OFF/ 3-step Dimming Function For Tri-proof Light



SPECIFICATIONS

	MLC40C-P4	MLC40C-P5
Input Voltage	220~240Vac	220~240Vac
Output	950mA 30-42V dc	30-50V dc;400mA/500mA/600mA/700mA
HF system	5.8GHz±75MHz, ISM wave band	5.8GHz±75MHz, ISM wave band
Transmitting power	<0.5mW	<0.5mW
Power consumption	≤1W(stand-by)	≤1W(stand-by)
Detection Area(Radius)	6m Max.	6m Max.
Max. Mounting height	8m	8m
Daylight sensor	5lux/15lux/30lux/disable	10lux/30lux/50lux/100lux/Disable
Hold time	5s/90s/3min/10min	5s/90s/5min/25min
Stand-by Period	0s/30s/10min/+∞	1min/5min/25min/+∞
Stand-by DIM Level	10%/25%	0%/10%/25%/50%
Operating temperature	-25℃ ~50℃	-20℃ ~50℃
IP rating	IP20	IP20

Detection Pattern (max / min)

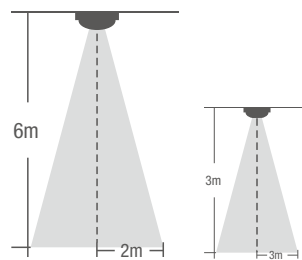
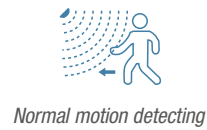
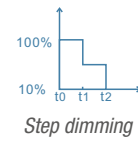


Detection area*

100%	2m	3.5m
75%	1m	2.5m
50%	0.5m	1.5m
25%	0m	0.5m

*These data were tested by a 165cm height person and his walking speed is 1m/s.

Sensor
DIM LED
Driver



Detection area*

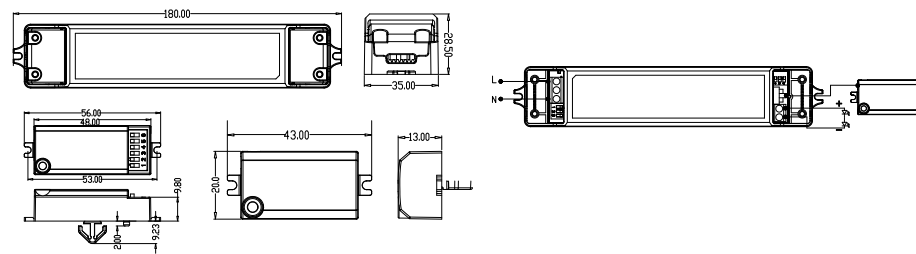
100%	2m	3m
75%	1m	2m
50%	0.5m	1.5m
25%	0m	0.5m

*These data were tested by a 165cm height person and his walking speed is 1m/s.

MLC65C-P3/MLC65C-P4/MLC65C-P5

ON-OFF/ 3-step Dimming Function

For Tri-proof Light



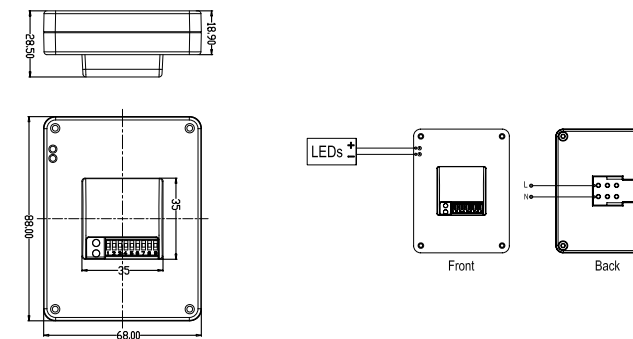
SPECIFICATIONS

	MLC65C-P3	MLC65C-P4	MLC65C-P5
Input Voltage	220~240Vac	220~240Vac	220~240Vac
Output	1500mA, 30-42V	35-55Vdc, 600mA/925mA/1050mA/1200mA	1400mA, 30-42V
HF system	5.8GHz±75MHz, ISM wave band	5.8GHz±75MHz, ISM wave band	5.8GHz±75MHz, ISM wave band
Transmitting power	<0.5mW	<0.5mW	<0.5mW
Power consumption	≤ 1W(stand-by)	≤ 1W(stand-by)	≤ 1W(stand-by)
Detection Area(Radius)	6m Max.	6m Max.	6m Max.
Max. Mounting height	6m	6m	6m
Daylight sensor	5lux/15lux/ 30lux/Disable	10lux/30lux/50lux/100lux/Disable	5lux/15lux/ 30lux/Disable
Hold time	5s/90s/3min/10min	5s/90s/5min/25min	5s/90s/3min/10min
Stand-by Period	0s/30s/10min/+∞	1min/5min/25min/ +∞	0s/30s/10min/+∞
Stand-by DIM Level	10%/25%	0%/10%/25%/50%	10%/25%
Operating temperature	-25℃ ~50℃	-25℃ ~50℃	-25℃ ~50℃
IP rating	IP20	IP20	IP20

MLC12C-P2D

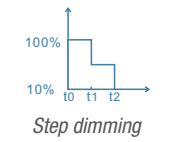
ON-OFF/ 3-step Dimming Function

For 2D LED Ceiling Light

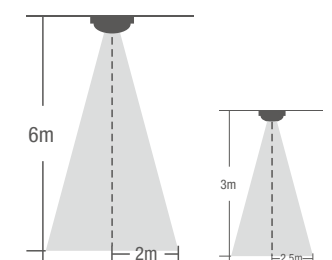


SPECIFICATIONS

Input Voltage	220~240Vac
Output	30-42Vdc, 270mA
HF system	5.8GHz±75MHz, ISM wave band
Transmitting power	<0.5mW
Power consumption	≤ 1W(stand-by)
Detection Area(Radius)	6m Max.
Max. Mounting height	6m
Daylight sensor	5lux/15lux/50lux/disable
Hold time	5s/90s/3min/10min
Stand-by Period	0s/30s/10min/ +∞
Stand-by DIM Level	20%/30%
Operating temperature	-25℃ ~50℃
IP rating	IP20



Detection Pattern (max / min)



Detection area*

100%	2m	2.5m
75%	1m	1.5m
50%	0.5m	1m
10%	0m	0.5m

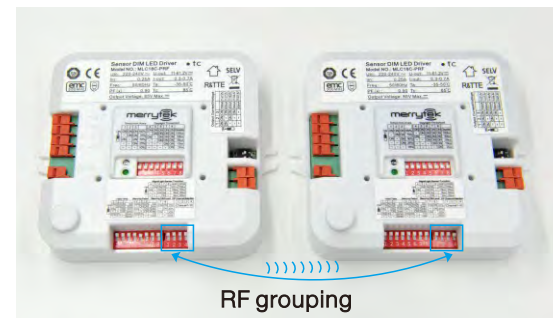
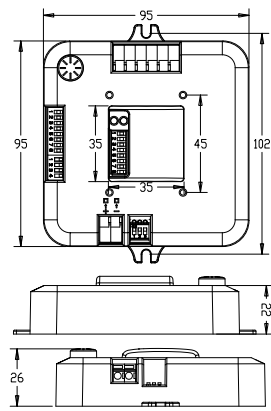
*These data were tested by a 165cm height person and his walking speed is 1m/s.

MLC18C-PRF/MLC18C-PRF2 RF Wireless Sensor DIM LED Driver



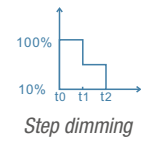
MLC18C-PRF

MLC18C-PRF2

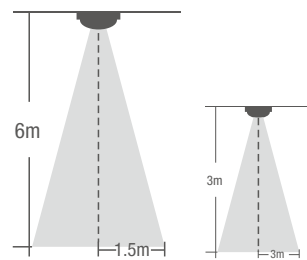


SPECIFICATIONS

Input Voltage	220~240Vac
Output	300mA(16~61.2V);350mA(16~54.4V); 450mA(16~40.8V);600mA(16~27.2V);700mA(16~27.2V)
HF system	5.8GHz±75MHz, ISM wave band
Transmitting power	<0.5mW
Power consumption	≤0.5W(stand-by)
Detection Area(Radius)	6m
Max. Mounting height	6m
Daylight sensor	2lux/10lux/35lux/50lux/100lux/disable
Daylight priority	Open:2lux/10lux/35lux/50lux/100lux/disable Close:30lux/50lux/100lux/150lux/250lux/disable
Hold time	5s/30s/90s/3min/20min/30min
Stand-by Period	0s/5min/10min/30min/1h/+∞
Stand-by DIM Level	10%/20%/30%/50%
Operating temperature	-25℃ ~50℃
IP rating	IP20



Detection Pattern (max / min)

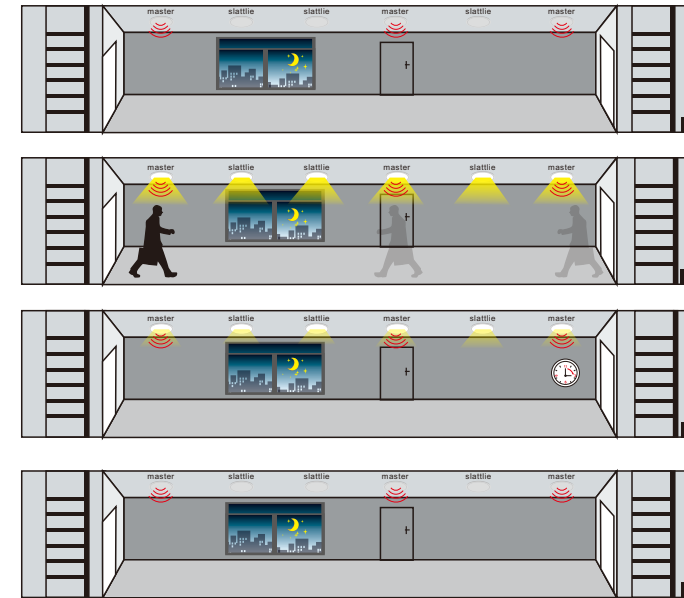


Detection area*

100%	1.5m	3m
75 %	1m	2.5m
50 %	0.5m	1.0m
25%	0m	0.5m

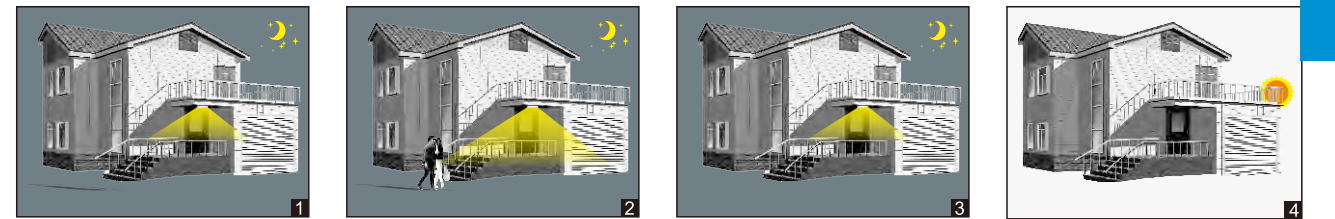
*These data were tested by a 165cm height person and his walking speed is 1m/s.

Master-slave Control



- 1 When no motion is detected, all lamps will switch off.
- 2 With insufficient ambient light, if any motion is detected in any direction, all lamps will switch on at the same time.
- 3 After hold time, all lamps will dim to a low light level if no new motion trigger.
- 4 After stand-by period, all lamps will switch off if no movement is detected in the detection zone.

Night/Light Function

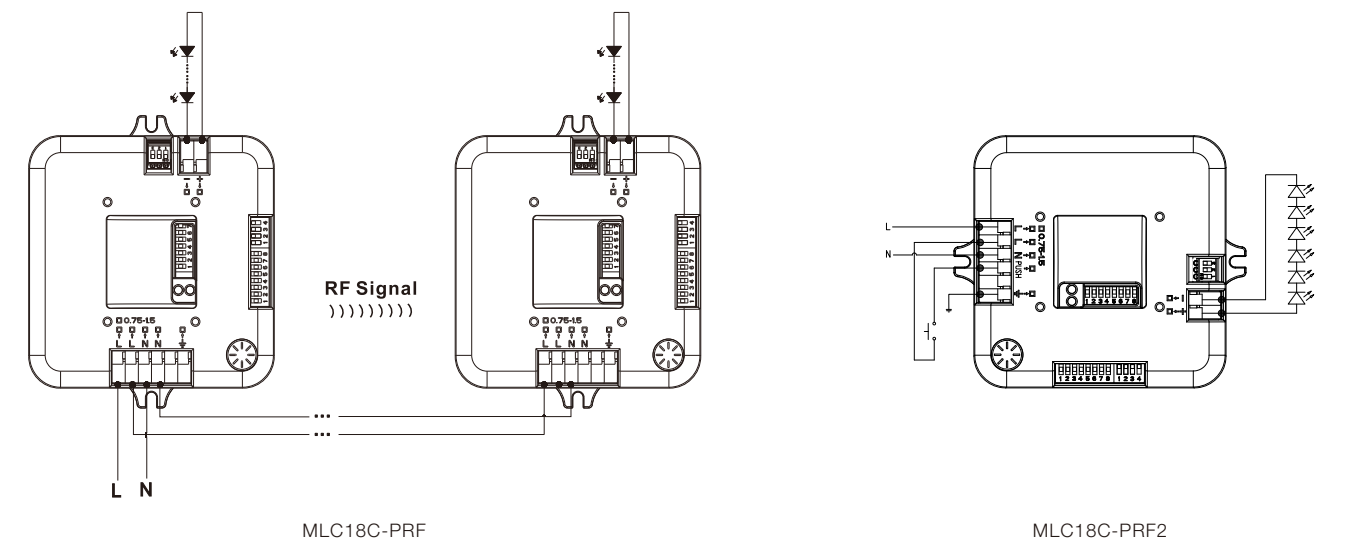


The lamp turns on to a low light level at night.

When motion is detected, the lamp automatically lights up to 100%.

After hold time, the lamp gradually dims to a low light level if no movement is detected.

The lamp turns off after dawn.

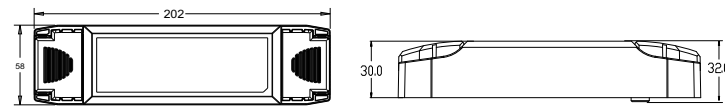


MLC18C-PRF

MLC18C-PRF2

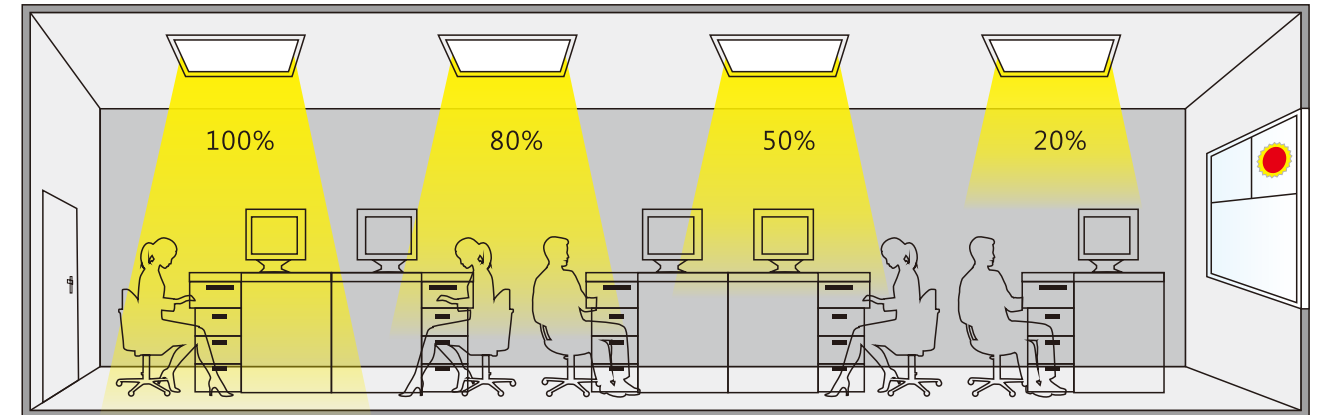


MLC40C-PA Natural Light Adaptive LED Driver



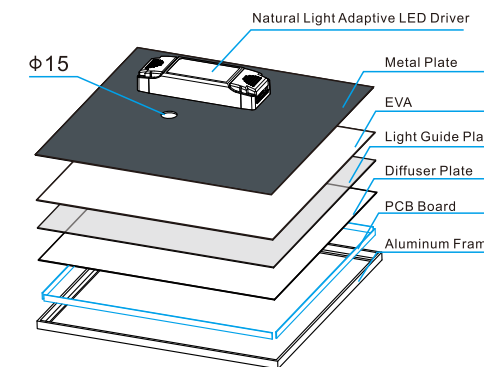
SPECIFICATIONS

Input Voltage	220~240Vac
Output	700mA/750mA/800mA/850mA/900mA/ 950mA/1000mA/1050mA (30-40Vdc)
HF system	5.8GHz±75MHz, ISM wave band
Transmitting power	<0.5mW
Power consumption	≤1W(stand-by)
Detection Area(Radius)	N/A
Max. Mounting height	N/A
Daylight sensor	Target level: 100lux/150lux/200lux/ 250lux/300lux/350lux/400lux/450lux
Hold time	N/A
Stand-by Period	N/A
Stand-by DIM Level	N/A
Operating temperature	-25℃ ~45℃
IP rating	IP20

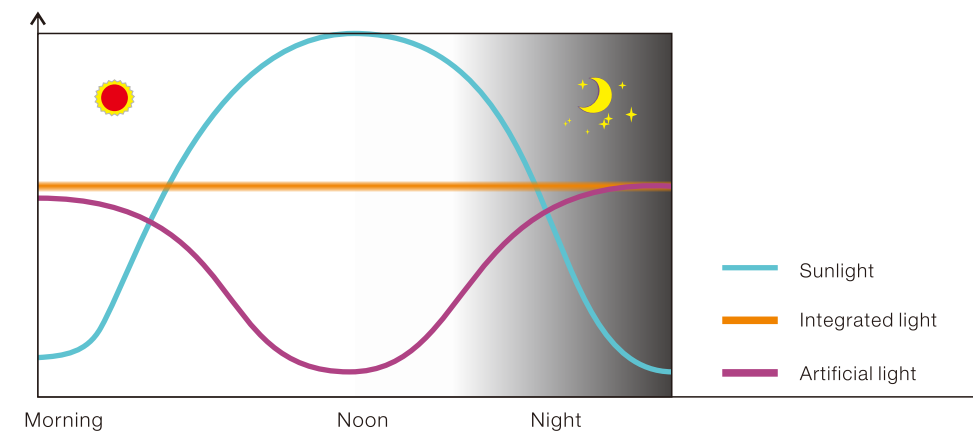
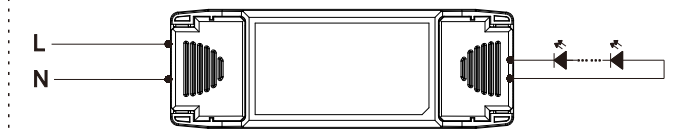


*All LED panel lights automatically adaptive dim according to the natural light.

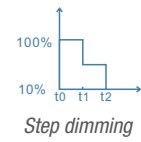
How to install?



Wiring scheme

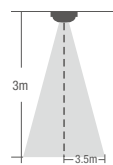


MLC40C-PA provides the technology of automatically adaptive dimming according to the natural light and save more energy. It is applicable to offices, airports, public places such as shopping malls, where require minimum light in the day time.



Sensor
DIM LED
Driver

Detection Pattern (typical)

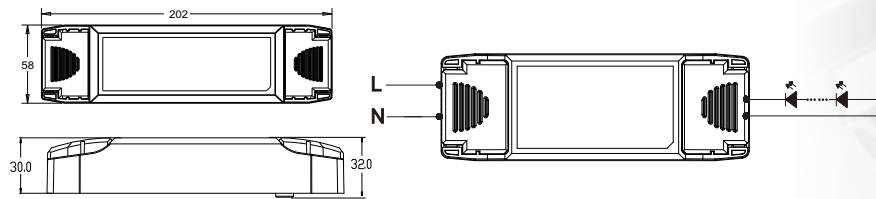


Detection area*

100%	2m	3.5m
75 %	1m	2m
50 %	0.5m	1.5m
10%	0m	0.5m

*These data were tested by a 165cm height person and his walking speed is 1m/s.

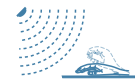
MLC40C-T Occupancy Sensor LED Driver



SPECIFICATIONS

Input Voltage	220~240Vac
Output	30-42Vdc;700mA/750mA/800mA/850mA/900mA/950mA/1050mA
HF system	5.8GHz±75MHz, ISM wave band
Transmitting power	<0.5mW
Power consumption	≤1W(stand-by)
Detection Area(Radius)	6m
Max. Mounting height	4m
Daylight sensor	150lux/300lux /Disable
Hold time	0s/10min/30min/+∞
Stand-by Period	5s/3min/15min/+∞
Stand-by DIM Level	10%/25%
Operating temperature	-25℃ ~ 50℃
IP rating	IP20





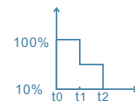
Minor motion detecting



Daylight harvesting



SYNC
Master-slave control



Step dimming



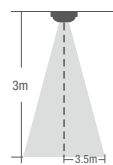
ON/OFF function



5 Year Guarantee
5 Year Guarantee

Sensor
DIM LED
Driver

Detection Pattern (typical)



Detection area*

100%	2m	3.5m
75%	1m	2m
50%	0.5m	1.5m
10%	0m	0.5m

*These data were tested by a 165cm height person and his walking speed is 1m/s.

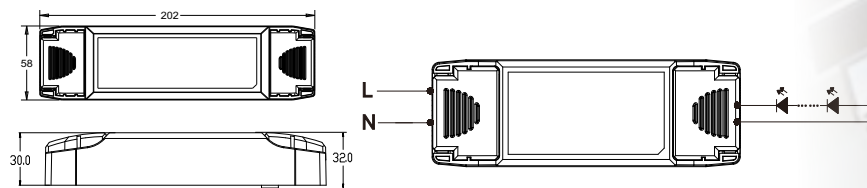
MLC40C-T1

Daylight Harvesting Sensor LED Driver



MLC40C-T1

MH01



SPECIFICATIONS

Input Voltage	220~240Vac
Output	30-42Vdc;700mA/750mA/800mA/850mA/900mA/950mA/1050mA
HF system	5.8GHz±75MHz, ISM wave band
Transmitting power	<0.5mW
Power consumption	≤1W(stand-by)
Detection Area(Radius)	6m
Max. Mounting height	4m
Daylight sensor	150lux/300lux /Disable
Hold time	0s/10min/30min/+∞
Stand-by Period	5s/3min/15min/+∞
Stand-by DIM Level	10%/25%
Operating temperature	-25℃ ~55℃
IP rating	IP20

