

# Data sheet light

## Citygrid On Pole Controller

P/N D21004

The data sheet light contains limited information on the product. See the full data sheet for more information.



### ELECTRICAL CHARACTERISTICS - INPUT

Name	Value	Unit	Condition
Universal input voltage	86 to 265	V <sub>ac</sub>	
Rated input frequency	47 to 63	Hz	
Power consumption	1,2	W	Whilst active (standby < 1W)

### WIRELESS COMMUNICATION

Specification item	Value	Unit	Condition
Gateway ratio	1:250	Control unit	Citygrid Gateway MKII P/N D22006/D22007.
Max units per site*	500	Control unit	
Frequency Range	868,3 / 918,0	MHz	The frequency is set when running the Producer App to match European / Australian regulation.
Recommended distance between units	<50	m	Theoretical communication distance
Maximum Range**	200	m	

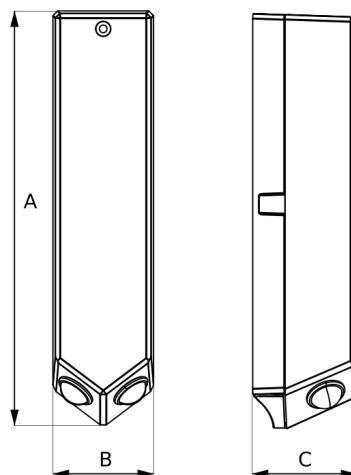
\* Adjacent sites can communicate motion events.

\*\* Maximum range under ideal conditions such as RF matching, line of sight, maximum power. Actual results may vary depending on the customer's design.

PROTECTION			
Specification item	Value	Unit	Condition
Required external fuse	<10	A	
Isolation input to output	Class II		Reinforced
IP rating	IP67		
IK rating	IK09		Excluding sensor lenses
Mains surge immunity (differential mode)	6	kV	L-N, acc. IEC61000-4-5:2014. 2 $\Omega$ , 1,2/50 $\mu$ s, 8/20 $\mu$ s
Mains surge immunity (common mode)	6	kV	N-PE,L-PE, acc. IEC61000-4-5:2014. 12 $\Omega$ , 1,2/50 $\mu$ s, 8/20 $\mu$ s

TEMPERATURE & HUMIDITY			
Type	Value	Unit	Condition
Operational temperature	-20 to +60	°C	Ambient
Storage temperature	-30 to +80	°C	Ambient

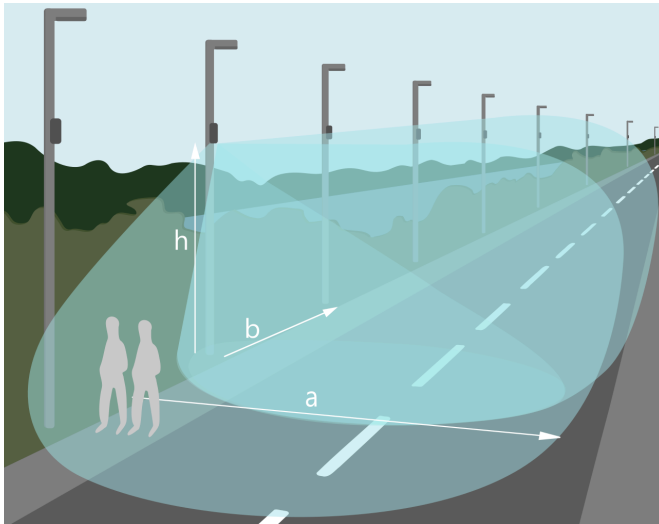
DIMENSIONS & WEIGHT			
Item	Value	Unit	Comment
A	220	mm	Height
B	55	mm	Width
C	55	mm	Depth (with pole adaptor)
Weight	1,2	kg	Including 6m cable



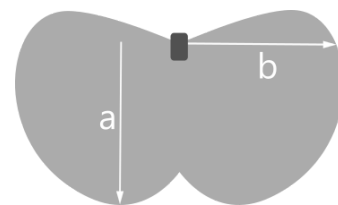
MOTION DETECTION			
Details	Value	Unit	Condition
Detection technology	2x PIR		Patent pending analog detection algorithm
Recommended installation height	4 to 5	m	

DETECTION AREA			
Height h	Length a	Length b	Unit
3 **	9,8	9,8	m
4	9,5	9,5	m
5	9,2	9,2	m
6	8,7	8,7	m

\*\* Be aware that a lower hanging unit is an easier target for vandalism. We recommend hanging the unit at 4 to 5 metres height.



Side view of detection area



Top-down view of detection area



### CAUTION

- Avoid touching live parts.
- Do not use the product with damaged housing or connectors.
- Do not service when the mains voltage is connected. This includes connecting or disconnecting the LED driver.
- The product should be installed by a trained or qualified person.

