

Data sheet light Citygrid Dongle

P/N D24002



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

ELECTRICAL CHARACTERISTICS			
Specification item	Value	Unit	Condition
Universal Micro USB input voltage	5	V _{dc}	± 10%, Micro USB charging
Universal Micro USB charging current	300*	mA	Maximum
Power consumption	300	mW	~ 8 hours of operation
Battery type	Lithium-Ion		Rechargeable Automatic Standby Non-replaceable
Battery capacity	2350**	mAh	Typical

*Internal current limited. Charge dongle with a normal USB charger or computer
** At 25 °C

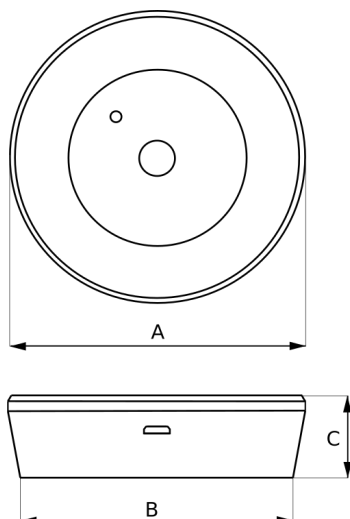
WIRELESS COMMUNICATION			
Specification item	Value	Unit	Condition
Frequency Range	868,3 / 918,0	MHz	The frequency is set when running the Producer App to match European / Australian regulation.
Standard	IEEE 802.15.4		
Protocol	6LowPAN		
Encryption	AES-128		
Over-the-air firmware update	Yes		
Recommended maximum distance between Citygrid Dongle and Citygrid Controller	~ 60	m	Luminaire design and antenna placement subject to influencing range

WIRELESS COMMUNICATION (Citygrid Dongle - Android Device)			
Specification item	Value	Unit	Condition
Frequency Range	2,402-2,480	GHz	
Protocol	Bluetooth 4.1		
Encryption	AES-128		
Android device, Operating system	7.0		Or higher
Android device, Bluetooth version	7.0		Or higher

PROTECTION			
Specification item	Value	Unit	Condition
ESD protection	4	kV	Human-Body-Model

TEMPERATURE & HUMIDITY			
Specification item	Value	Unit	Condition
Charge temperature	+10 to +45	°C	Ambient
Operational temperature	-20 to +60	°C	Ambient
Storage temperature	-20 to +60	°C	Ambient
Relative humidity	10 to 90	%	Non condensing. For use up to 2000m above sea level

DIMENSIONS & WEIGHT			
Item	Value	Unit	Comment
A	87,0	mm	Length
B	82,0	mm	Height
C	23,0	mm	Width
Weight	0,107	kg	



CAUTION

- Do not use the product with damaged housing or connectors.

