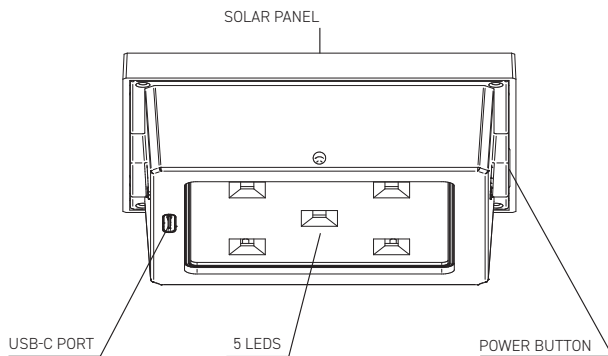
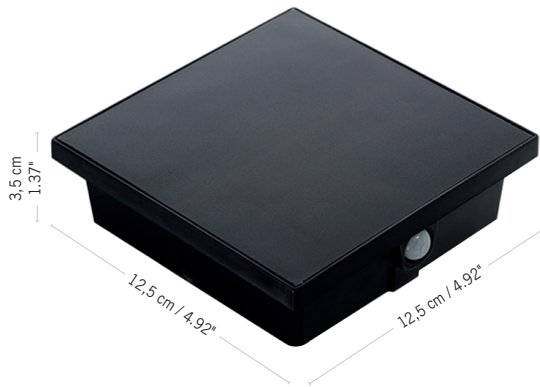


SMART SOLAR MODULE

300 LUMENS



Example of positioning in Aix-en-Provence.
Expected performance in the middle of each month.
Hypothesis: 1.8-W panel and new battery.

Month	Recoverable energy in Wh	Length of night in hours	Brightness in lm (mode 1)	Average battery life at 300 lm in hours
January	72	13:40	39	01:20
February	103	12:30	62	01:55
March	165	11:10	111	03:05
April	208	09:35	129	03:52
May	250	08:10	152	04:40
June	271	07:30	165	04:45
July	281	07:30	165	04:45
August	243	09:00	138	04:32
September	180	10:30	118	03:22
October	124	12:00	77	02:19
November	77	13:15	43	01:26
Décember	62	13:55	33	01:09

TECHNICAL FILE

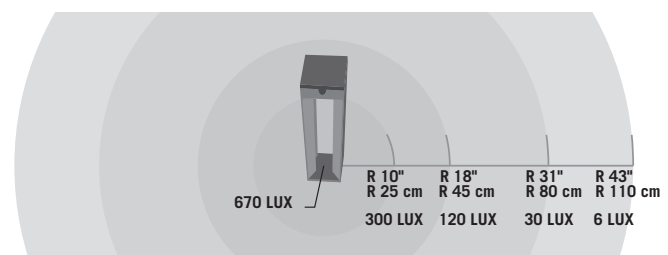
REF. : TINK701

DATE : 15TH MAY 2023 - V2



Item	Unit	Value
Nominal luminous Flux	lm	300
Minimum dimmed luminous Flux	lm	3
Lifetime at LED temperature of 85°C L70B50	hours	> 50,000
Color temperature	K	3000
CRI		80
Color Kitting CIE x at 350lm 25°C		0,424 to 0,445
Color Kitting CIE Y at 350lm 25°C		0,391 to 0,410
Storage temperature	°C	-20 to 60
Charging temperature	°C	-10 to 60
Discharge temperature	°C	-20 to 60
Expected battery lifespan to 70 % remaining capacity	years	3 to 6
Battery format		18650
Battery nominal voltage	V	3,65
Battery nominal capacity	mAh	2600
Battery life at 500 lm	hours	4
Battery life at 125 lm	hours	17
Solar panel power	W	1,8
Solar panel coating		ETFE
Solar cell type		Monocrystalline
Charging port		USB-C IPX7
USB charging power	W	2,5
USB charging time	hours	4
Weatherproofing		IP66
Weight	kg	0,27
Available working modes		Smart Forced on
EMC radiated immunity		EN61547:2009 level 2
Electrostatic discharge immunity		EN61547:2009 level 2 criteria B
Radiated emissions		EN55015:2013 level 3a/3b
Photobiological safety group		EN 62471:2008 exempt IEC TR 62778: 2014 RG1

LUX /DISTANCE
Test performed with the TINK170 light 300 lm



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