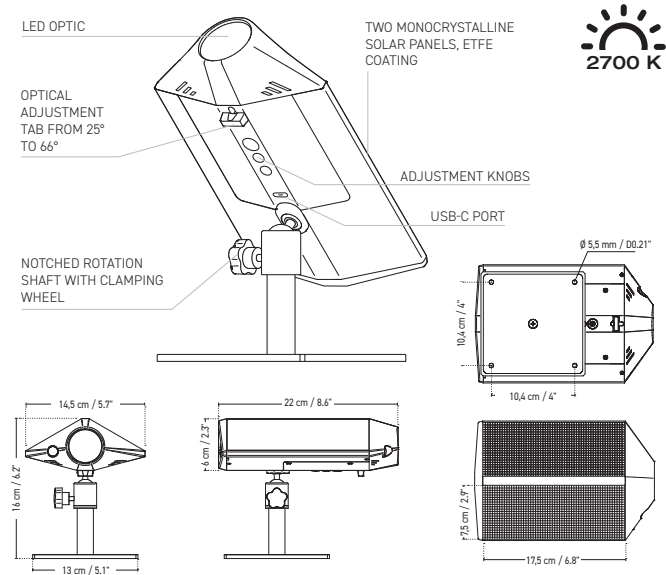


S600^{PRO} SOLAR SPOTLIGHT

600 LUMENS



Example of positioning in Aix-en-Provence. Autonomy for 2 periods: July and December.

Hypothèses : 2 x 1.6 W et batteries neuves.

South orientation							
Azimuth°	0	0	0	0	0	0	0
Inclinaison°	0	15	30	45	60	75	90
Roulis optimum°	0	0	0	0	0	0	0
Wh december	137	212	278	326	353	358	341
Lumens december	95	150	199	234	254	258	245
Autonomie moyenne @600 lm december	01:10	01:49	02:23	02:48	03:01	03:04	02:55
Wh july	547	563	552	514	454	376	288
Lumens july	541	541	541	541	541	479	365
Autonomie moyenne @600 lm july	04:41	04:50	04:44	04:24	03:54	03:13	02:28
Southeast/West orientation							
Azimuth°	45	45	45	45	45	45	45
Inclinaison°	0	15	30	45	60	75	90
Roulis optimum°	40	35	30	30	30	35	45
Wh décembre	250	286	315	341	352	353	341
Lumens décembre	178	205	226	245	253	254	245
Autonomie moyenne @600 lm december	02:08	02:27	02:42	02:55	03:01	03:01	02:55
Wh july	519	529	517	478	424	355	288
Lumens july	541	541	541	541	540	451	365
Autonomie moyenne @600 lm july	04:27	04:32	04:26	04:06	03:38	03:03	02:28
East/West orientation							
Azimuth°	90	90	90	90	90	90	90
Inclinaison°	0	15	30	45	60	75	90
Roulis optimum°	45	45	45	50	55	65	90
Wh december	326	322	315	319	319	326	341
Lumens december	234	231	226	229	229	234	245
Autonomie moyenne @600 lm december	02:48	02:45	02:42	02:44	02:44	02:48	02:55
Wh july	485	477	456	410	362	313	288
Lumens july	541	541	541	522	461	397	365
Autonomie moyenne @600 lm july	04:10	04:05	03:55	03:31	03:06	02:41	02:28
Orientation Nord Est/Ouest							
Azimuth°	135	135	135	135	135	135	135
Inclinaison°	0	15	30	45	60	75	90
Roulis optimum°	40	50	60	70	80	90	90
Wh december	248	224	215	220	239	266	269
Lumens december	177	159	152	156	170	190	192
Autonomie moyenne @600 lm décembre	02:07	01:55	01:50	01:53	02:03	02:17	02:18
Wh juillet	519	474	418	364	317	288	298
Lumens juillet	541	541	533	463	403	365	378
Autonomie moyenne @600 lm juillet	04:27	04:04	03:35	03:07	02:43	02:28	02:33
North orientation							
Azimuth°	180	180	180	180	180	180	180
Inclinaison°	0	15	30	45	60	75	90
Roulis optimum°	0	0	80	90	90	90	90
Wh december	137	68	85	98	108	118	126
Lumens december	95	44	57	66	74	81	87
Autonomie moyenne @600 lm december	01:10	00:35	00:43	00:50	00:55	01:00	01:04
Wh july	547	504	341	307	302	302	308
Lumens july	541	541	433	390	383	383	391
Autonomie moyenne @600 lm july	04:41	04:19	02:55	02:38	02:35	02:35	02:38

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TECHNICAL FILE

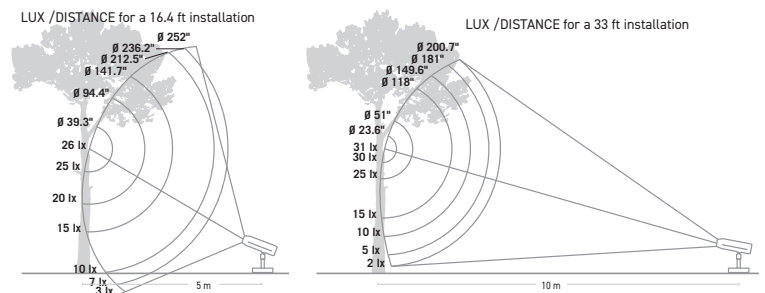
REF. : SPOT003

DATE : 28 MAY 2026 - V1



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Item	Unit	Value
Nominal luminous Flux	lm	600
Minimum dimmed luminous Flux	lm	6
Lifetime at LED temperature of 85°C L70B50	hours	> 72600
Color temperature	K	2700
CRI		70
Measured light beam angle (100 to 20% light intensity)	°	25-64
Measured light beam angle (100 to 10% light intensity)	°	28-66
Uniform well defined lit zone		Edge and low leak light
Color Kitting CIE x at 350lm 25°C nominal		0,434
Color Kitting CIE Y at 350lm 25°C nominal		0,403
Color Kitting MacAdam ellipse major axis angle	°	53
Color Kitting MacAdam ellipse major axis		0,009
Color Kitting MacAdam ellipse minor axis		0,0045
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	10400
Battery life at 600 lm	hours	9
Battery life at 150 lm	hours	38
Solar panel power	W	3.2
Solar panel coating		ETFE
Solar cell type		Monocrystalline
Timer setting range	% of night	10-100
Timer setting resolution	% of night	10
Weatherproofing		IP66
Weight	kg	1,050
Ball joint horizontal range	°	360
Ball joint vertical range	°	180
Ball joint mounting hole		1/4" -20 (camera standard tapped hole)
Extension tube mounting hole		M6
Available working modes		Smart Personalized Forced on
EMC radiated immunity		EN61547:2009 level 2
Electrostatic discharge immunity		EN61547:2009 level 2 criteria B
Radiated emissions		EN 55015:2019 Table 10
Photobiological safety group		EN62471:2008 exempt



LES JARDINS®

AIX-EN-PROVENCE

S600^{PRO} SOLAR SPOTLIGHT

600 LUMENS

TECHNICAL FILE
REF. : SPOT003

DATE : 12 MAY 2026 - V1

S600 PRO VERSUS S600 COMPARISON

S600 Juillet
 S600 Déc.
 S600 Pro Juillet
 S600 Pro Déc.

