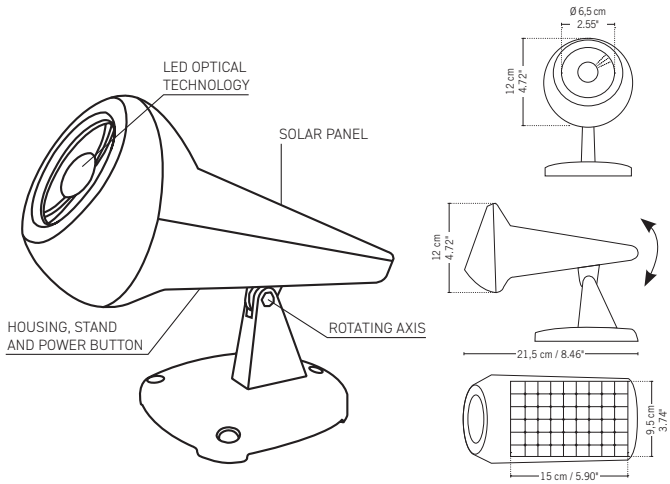
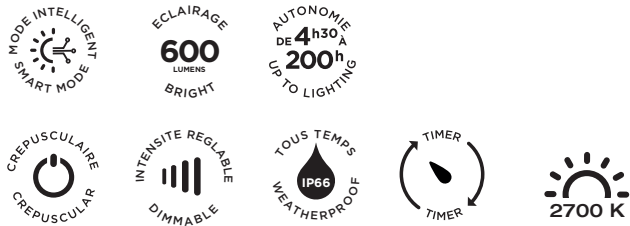


# OJE SOLAR SPOTLIGHT

## 600 LUMENS



Example of positioning in Aix-en-Provence.  
Autonomy for 2 periods: July and December.  
Hypothesis: 2.4W solar panel and new batteries.

South facing						
Azimuth°	0	0	0	0	0	0
Angle°	0	15	30	45	60	75
Lumens for December in Mode 1	44	72	94	108	116	117
Average autonomy at 600 lm in December	00:46	01:15	01:38	01:53	02:01	02:02
Lumens for July in Mode 1	262	262	262	262	262	208
Average autonomy at 600 lumens in July	03:28	03:31	03:24	03:07	02:40	02:04
South-east / West facing						
Azimuth°	45	45	45	45	45	45
Angle°	0	15	30	45	60	75
Lumens for December in Mode 1	44	64	78	87	91	89
Average autonomy at 600 lm in December	00:46	01:15	01:22	01:31	01:35	01:33
Lumens for July in Mode 1	262	262	262	262	262	233
Average autonomy at 600 lumens in July	03:28	03:29	03:23	03:10	02:48	02:19
East / West facing						
Azimuth°	90	90	90	90	90	90
Angle°	0	15	30	45	60	75
Lumens for December in Mode 1	44	45	46	45	43	39
Average autonomy at 600 lm in December	00:46	00:46	00:47	00:47	00:44	00:40
Lumens for July in Mode 1	262	262	262	262	262	227
Average autonomy at 600 lumens in July	03:28	03:23	03:12	02:58	02:39	02:16
North-east / West facing						
Azimuth°	135	135	135	135	135	135
Angle°	0	15	30	45	60	75
Lumens for December in Mode 1	44	25	17	14	11	8
Average autonomy at 600 lm in December	00:46	00:26	00:17	00:14	00:11	00:08
Lumens for July in Mode 1	262	262	262	244	201	161
Average autonomy at 600 lumens in July	03:28	03:16	02:54	02:26	02:00	01:36
North facing						
Azimuth°	180	180	180	180	180	180
Angle°	0	15	30	45	60	75
Lumens for December in Mode 1	44	17	15	12	10	8
Average autonomy at 600 lm in December	00:46	00:18	00:15	00:12	00:10	00:08
Lumens for July in Mode 1	262	262	262	219	139	82
Average autonomy at 600 lumens in July	03:28	03:14	02:49	02:11	01:23	00:49

### TECHNICAL FILE

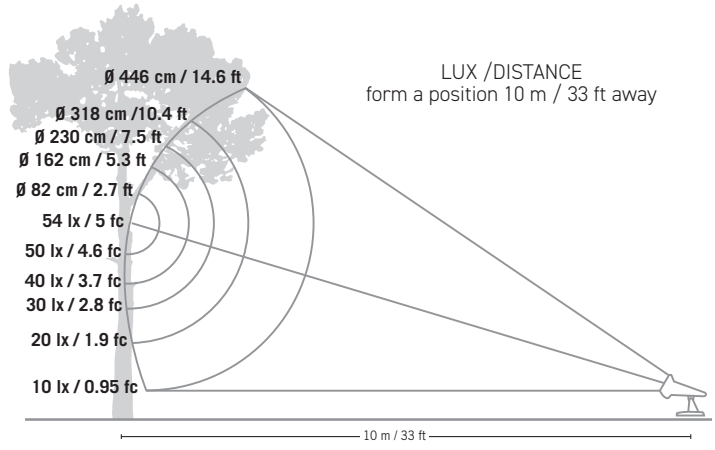
REF. : SPOT001B

DATE : 29 APRIL 2026 - V3



Item	Unit	Value
Nominal luminous Flux	lm	600
Minimum dimmed luminous Flux	lm	10
Lifetime at LED temperature of 85°C L70B50	hours	> 72600
Color temperature	K	2700
CRI		70
Light beam angle	°	24
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	5200
Battery life at 600 lm	hours	4,5
Battery life at 150 lm	hours	19
Solar panel power	W	2,4
Solar panel coating		ETFE
Solar cell type		Sunpower
Weatherproofing		IP66
Weight	kg	0,52

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



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