



ProSite LED Streetlight - Battery Backup Models

Technical Specification Sheet - APAC / EMEA

NOVEMBER 2025

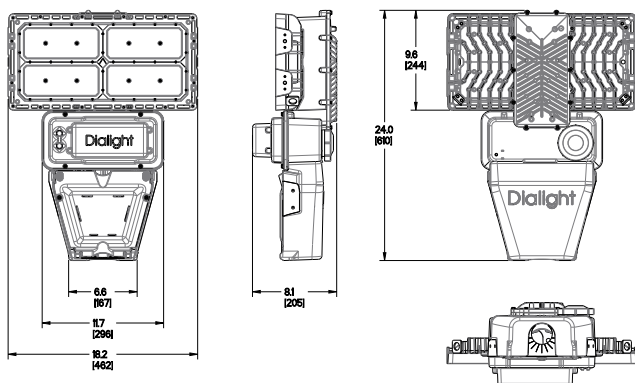
ProSite LED Streetlight - Battery Backup

S1 Models - Non-Hazardous



Certifications & Ratings

- 10 year warranty
- CE / ENEC / RCM
- IP66/67
- IK10 - Integrated PC optic only
- IK10 - Polycarbonate lens
- IK08 - Glass lens
- L70 > 150,000 hours @ 25°C ambient



Dimensions in inches [mm]

Mechanical Information:

Fixture weight:	13.3 - 17.8 kg
Shipping weight:	16.6 - 21.1 kg
EPA (sq. m):	0.113
Mounting:	Cast aluminium mast arm bracket. Suits 42.2mm-60.3mm OD pipe. (-5°, 0°, +5° tilt settings) Slip fitter bracket (7.5° of tilt adjustment - vertical pole mount only)
Cable entry:	1 x M25

Electrical Specifications:

Operating voltage:	230-240VAC, 50/60Hz
Operating temp:	-20°C to +55°C
EMC:	CISPR 15 Flicker: IEC 61000-3-3 Immunity requirements for lighting: IEC 61547 Harmonics: IEC 61000-3-2 Class C
Transient protection:	IEC 61000-4-5. 6kV line-line and line-ground. Optional: Additional surge protection module rated for 10kA, 20kA single strike
THD:	< 20%
Power Factor:	> 0.9
Dimming:	DALI 1 and 2 compatible/0-10 VDC
Battery Duration:	90 minutes default (optional 60 or 180 minutes field selectable)

Construction:

Housing:	A360 Die-cast aluminum
Hardware:	316 stainless steel
Finish:	Superior epoxy and polyester dual coat finish
Lens:	Integrated PC Optic/Lens, Glass Lens Cover, PC Lens Cover

Photometric Information:

CRI:	70 (80 optional)
CCT:	5000K (cool white) 4000K (neutral white) 2200K (warm white) 2700K (warm white) - 80 CRI Amber
Beam Pattern:	Type II Medium Type III Short Type III Medium Type V

IES files: Available at www.dialight.com

All values typical unless otherwise stated (tolerance +/- 10%)

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Ordering Information - S1 Models

ProSite LED Streetlight Battery Backup - Non-Hazardous



Industrial - RCM								
Part Number	Fixture Lumens	Wattage	lm/W	Fixture Lumens (Battery Mode)	Voltage	CCT/CRI	Lens	Optics
ProSite Streetlight 12,000lm								
S1E-NQBG-BSTN-VGF	12,300	87	141	1635	230-240VAC	CW 5000K - 70 CRI	PC Optic Only	Type III Medium
S1E-NPBG-BSTN-VGF	11,900	87	137	1590	230-240VAC	CW 5000K - 70 CRI	PC Optic Only	Type II Medium
S1E-NQLG-BSTN-VGF	12,300	87	141	1635	230-240VAC	NW 4000K - 70 CRI	PC Optic Only	Type III Medium
S1E-NPLG-BSTN-VGF	11,900	87	137	1590	230-240VAC	NW 4000K - 70 CRI	PC Optic Only	Type II Medium
S1E-NQWG-BSTN-VGF	9,900	87	114	1340	230-240VAC	WW 2700K - 80 CRI	PC Optic Only	Type III Medium
S1E-NPWG-BSTN-VGF	9,600	87	110	1300	230-240VAC	WW 2700K - 80 CRI	PC Optic Only	Type II Medium
ProSite Streetlight 18,000lm								
S1E-NQBG-CSTN-VGF	17,700	130	136	1635	230-240VAC	CW 5000K - 70 CRI	PC Optic Only	Type III Medium
S1E-NPBG-CSTN-VGF	17,300	130	133	1590	230-240VAC	CW 5000K - 70 CRI	PC Optic Only	Type II Medium
S1E-NQLG-CSTN-VGF	17,700	130	136	1635	230-240VAC	NW 4000K - 70 CRI	PC Optic Only	Type III Medium
S1E-NPLG-CSTN-VGF	17,300	130	133	1590	230-240VAC	NW 4000K - 70 CRI	PC Optic Only	Type II Medium
S1E-NQWG-CSTN-VGF	14,300	130	110	1340	230-240VAC	WW 2700K - 80 CRI	PC Optic Only	Type III Medium
S1E-NPWG-CSTN-VGF	13,800	130	106	1300	230-240VAC	WW 2700K - 80 CRI	PC Optic Only	Type II Medium
ProSite Streetlight 24,000lm								
S1E-NQBG-ESTN-VGF	23,200	181	128	1635	230-240VAC	CW 5000K - 70 CRI	PC Optic Only	Type III Medium
S1E-NPBG-ESTN-VGF	22,600	181	125	1590	230-240VAC	CW 5000K - 70 CRI	PC Optic Only	Type II Medium
S1E-NQLG-ESTN-VGF	23,200	181	128	1635	230-240VAC	NW 4000K - 70 CRI	PC Optic Only	Type III Medium
S1E-NPLG-ESTN-VGF	22,600	181	125	1590	230-240VAC	NW 4000K - 70 CRI	PC Optic Only	Type II Medium
S1E-NQWG-ESTN-VGF	18,700	181	103	1340	230-240VAC	WW 2700K - 80 CRI	PC Optic Only	Type III Medium
S1E-NPWG-ESTN-VGF	18,100	181	100	1300	230-240VAC	WW 2700K - 80 CRI	PC Optic Only	Type II Medium
ProSite Streetlight 24,000lm								
S1E-NQBG-FSTN-VGF	29,400	240	123	1635	230-240VAC	CW 5000K - 70 CRI	PC Optic Only	Type III Medium
S1E-NPBG-FSTN-VGF	28,600	240	119	1590	230-240VAC	CW 5000K - 70 CRI	PC Optic Only	Type II Medium
S1E-NQLG-FSTN-VGF	29,400	240	123	1635	230-240VAC	NW 4000K - 70 CRI	PC Optic Only	Type III Medium
S1E-NPLG-FSTN-VGF	28,600	240	119	1590	230-240VAC	NW 4000K - 70 CRI	PC Optic Only	Type II Medium
S1E-NQWG-FSTN-VGF	23,700	240	99	1340	230-240VAC	WW 2700K - 80 CRI	PC Optic Only	Type III Medium
S1E-NPWG-FSTN-VGF	22,900	240	95	1300	230-240VAC	WW 2700K - 80 CRI	PC Optic Only	Type II Medium

All values typical unless otherwise stated (tolerance +/- 10%).

Lens - To add additional lens cover, swap 4th character 'N' to '7' for glass or '4' for polycarbonate. Not suitable with Type III Short optic

Optic - For Type V optic change 5th character to a '6'. For Type III Short optic change 5th character to a 'J'

CCT - 2200K and amber options available, refer to Dialight representative for information.

Voltage - For 120 VAC change the 7th character to '1'.

Mounting Bracket - Mast arm bracket supplied as standard. For adjustable slip fitter option, change 10th character to 'S'.

Lumen Tables

Lumen Output Family	Wattage (120-277 VAC)	Optic Character	Optic	PC Optic Only				Glass Lens				Polycarbonate Lens			
				5000K	4000K	2700K	2200K	5000K	4000K	2700K	2200K	5000K	4000K	2700K	2200K
12K	87	P	Type II Medium	12,012	12,012	9,826	10,126	10,270	10,270	8,401	8,658	9,165	9,165	7,497	7,726
		J	Type III Short	11,418	11,418	9,340	9,625	-	-	-	-	-	-	-	-
		Q	Type III Medium	12,342	12,342	10,096	10,404	10,552	10,552	8,632	8,896	9,417	9,417	7,703	7,938
		6	Type V	13,200	13,200	10,200	10,400	12,500	12,500	9,500	9,700	11,700	11,700	8,800	9,000
18K	130	P	Type II Medium	17,381	17,381	14,218	14,652	14,861	14,861	12,156	12,528	13,262	13,262	10,848	11,180
		J	Type III Short	16,522	16,522	13,515	13,928	-	-	-	-	-	-	-	-
		Q	Type III Medium	17,859	17,859	14,608	15,055	15,269	15,269	12,490	12,872	13,626	13,626	11,146	11,487
		6	Type V	19,100	19,100	14,800	15,100	18,000	18,000	13,800	14,000	17,000	17,000	12,700	13,000
24K	181	P	Type II Medium	22,751	22,750	18,610	19,178	19,451	19,451	15,911	16,397	17,358	17,358	14,199	14,633
		J	Type III Short	21,625	21,625	17,689	18,230	-	-	-	-	-	-	-	-
		Q	Type III Medium	23,375	23,375	19,121	19,705	19,986	19,986	16,348	16,848	17,835	17,835	14,589	15,035
		6	Type V	25,000	25,000	19,400	19,800	23,600	23,600	18,000	18,400	22,300	22,300	16,600	17,000
30K	240	P	Type II Medium	28,756	28,756	23,522	24,241	24,586	24,586	20,112	20,726	21,941	21,941	17,948	18,496
		J	Type III Short	27,334	27,334	22,359	23,043	-	-	-	-	-	-	-	-
		Q	Type III Medium	29,546	29,546	24,169	24,907	25,262	25,262	20,664	21,296	22,544	22,544	18,441	19,004
		6	Type V	31,600	31,600	24,500	25,000	29,900	29,900	22,800	23,200	28,100	28,100	21,000	21,500

Lumen Output Family	Wattage (120-277VAC)	Optic Character	Optic	PC Optic Only	Glass Lens	Polycarbonate Lens
				Amber		
12K	232	P	Type II Medium	11,800	11,200	10,500
		J	Type III Short	11,250	-	-
		Q	Type III Medium	12,200	11,600	10,900
		6	Type V	13,000	12,300	11,600

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Inrush Current

S1 Models	
240 VAC	
Peak inrush current (A)	15.4
Duration, T50 (ms)	1.5

Maximum per Circuit Breaker

230VAC			
Lumen Output	10 Amp	16 Amp	20 Amp
12,000	16	26	32
18,000	11	17	21
24,000	8	12	15
30,000	6	9	11
Amber	6	9	12

240VAC		
10 Amp	16 Amp	20 Amp
17	27	33
11	18	22
8	13	16
6	9	12
6	10	12

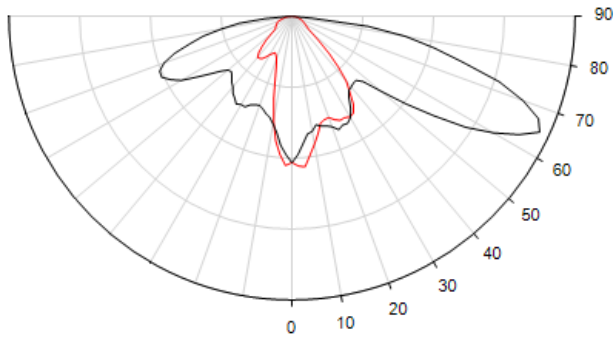
Dialight recommends using B or C type breakers.

These tables are based on steady-state input current and nominal breaker current ratings @ 80% derating.

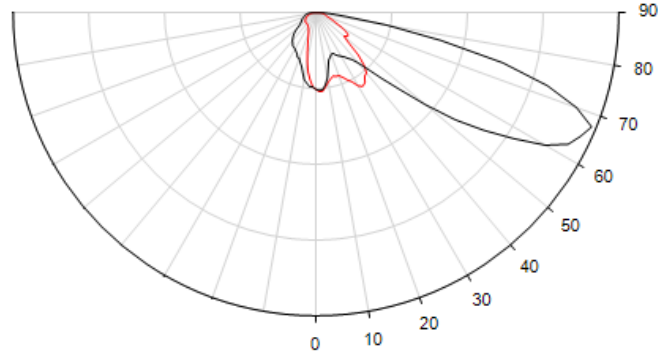
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Beam Distribution

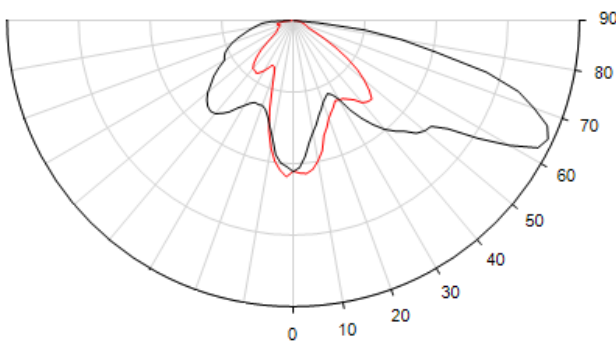
Type II Medium



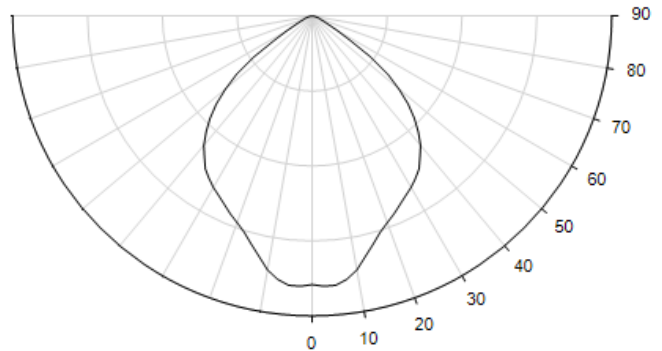
Type III Short



Type III Medium



Type V

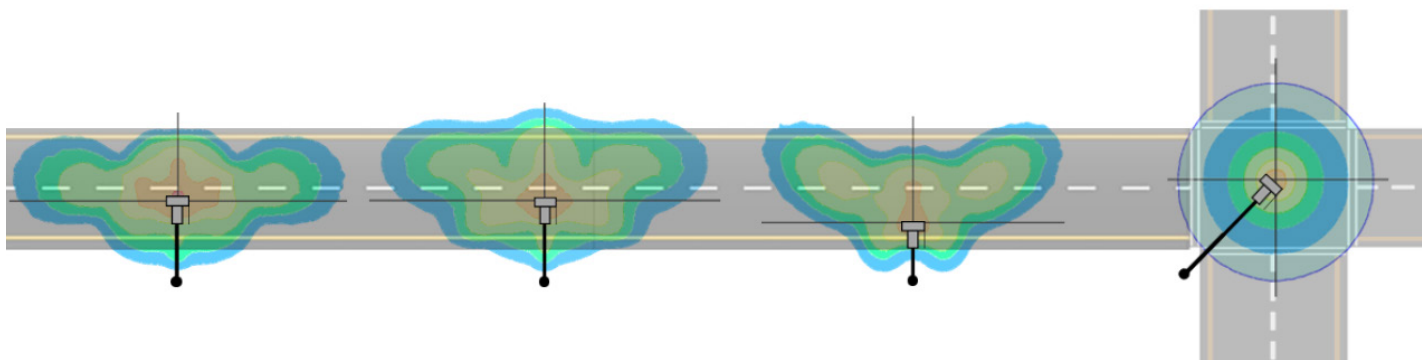


Type II (P)

Type III (Q)

Type III Short (J)

Type V (6)



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Lumen Maintenance Factor - S1

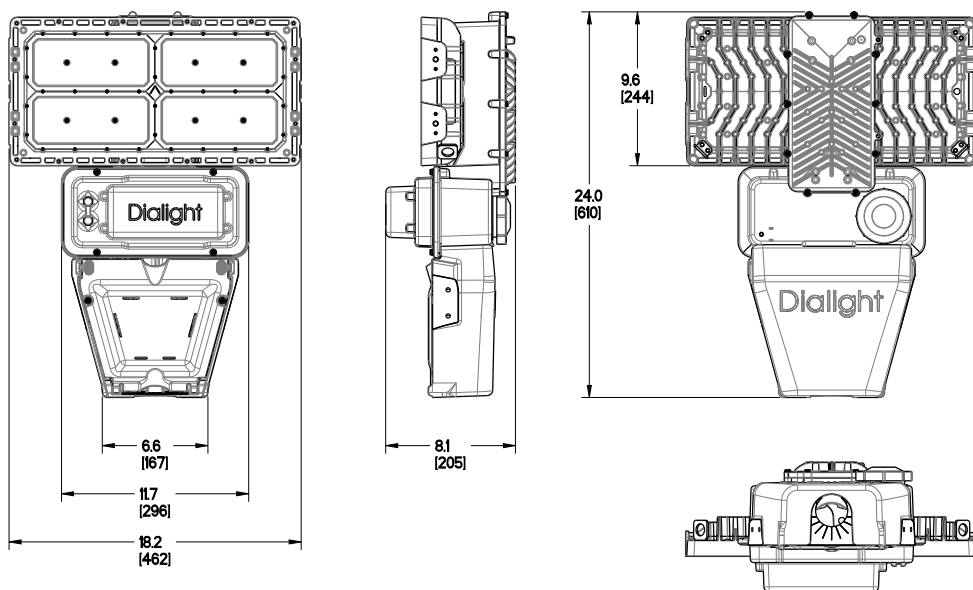
S1 Streetlight 12k lm (Hours)									
Ambient	0	15000	30000	45000	60000	75000	90000	100000	150000
25°C	100%	98%	97%	96%	96%	95%	94%	93%	91%
30°C	99%	97%	96%	95%	95%	94%	93%	92%	90%
35°C	98%	96%	96%	95%	95%	94%	93%	92%	90%
40°C	98%	96%	95%	94%	94%	93%	92%	91%	89%
45°C	97%	95%	94%	93%	93%	92%	91%	90%	88%
50°C	96%	94%	94%	93%	93%	92%	91%	90%	88%
55°C	96%	94%	93%	92%	91%	90%	90%	89%	87%

S1 Streetlight 18k lm (Hours)									
Ambient	0	15000	30000	45000	60000	75000	90000	100000	150000
25°C	100%	98%	97%	96%	96%	95%	94%	93%	91%
30°C	99%	97%	96%	95%	95%	94%	93%	92%	90%
35°C	98%	96%	96%	95%	95%	94%	93%	92%	90%
40°C	98%	96%	95%	94%	94%	93%	92%	91%	89%
45°C	97%	95%	94%	93%	93%	92%	91%	90%	88%
50°C	96%	94%	94%	93%	93%	92%	91%	90%	88%
55°C	96%	94%	93%	92%	91%	90%	90%	89%	87%

S1 Streetlight 30k lm (Hours)									
Ambient	0	15000	30000	45000	60000	75000	90000	100000	150000
25°C	100%	98%	95%	93%	91%	89%	87%	85%	79%
30°C	99%	97%	94%	92%	90%	88%	86%	84%	78%
35°C	98%	96%	93%	91%	89%	87%	85%	83%	77%
40°C	97%	94%	92%	90%	88%	85%	83%	82%	76%
45°C	96%	93%	91%	88%	86%	84%	82%	81%	74%
50°C	94%	92%	90%	87%	85%	83%	81%	79%	72%
55°C	93%	91%	88%	86%	84%	81%	79%	78%	71%

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Dimensional Drawings



Accessories



SLPC01R

- Photocell, 105-305 VAC

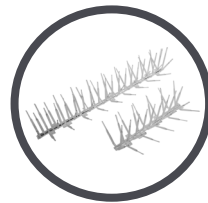


H6XCAB72²

- 72" stainless steel safety rope
- Kit includes: (1) cable

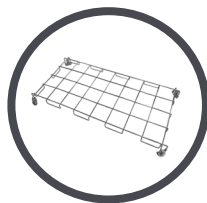
H6XCAB60²

- 60" stainless steel safety rope
- Kit includes: (1) cable



F1SPIKES

- Bird spikes



FLWG

- Wire guard
- Kit includes (1) assembly

²S1 models require 1 cable per unit.

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Replacements*



FL10KV277

- 10kA surge protection 100-277V

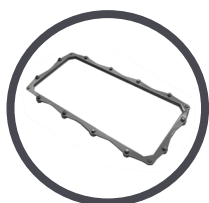
FL10KV480

- 10kA surge protection 347-480V



FLBATTKIT

- Replacement battery kit



FLGLASSLG

- Glass lens, grey

FLPCLG

- Polycarb lens, grey

- Kit includes (1) assembly

Replacement Power Supplies	
Part Number	Description
F1PS2B	120-277V Power Supply, 12k lm
F1PS2C	120-277V Power Supply, 18k lm
F1PS2E	120-277V Power Supply, 24k lm
F1PS2F	120-277V Power Supply, 30k lm

*Replacements parts for CE models only.

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