



# ProSite LED Streetlight

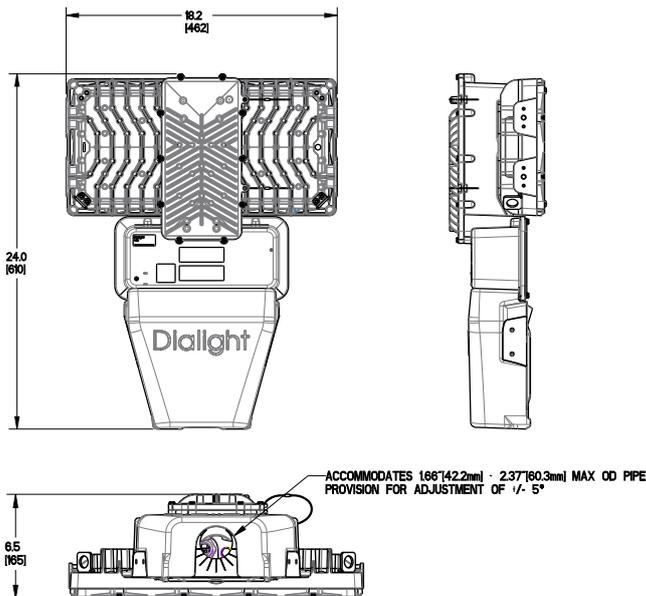
Technical Specification Sheet - APAC

## ProSite LED Streetlight - Non-Hazardous S1 Models



### 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]  
Additional dimensional drawings on page 10

### Mechanical Information:

<b>Fixture weight:</b>	11.0 - 15.5 kg
<b>Shipping weight:</b>	14.3 - 18.8 kg
<b>EPA (sq. m):</b>	0.103
<b>Mounting:</b>	Cast aluminum mast arm bracket - suits 42.2-60.3mm OD pipe (-5°, 0°, +5° tilt settings) Slipfitter bracket (7.5° tilt adjustment, for vertical pole mount only)
<b>Cable entry:</b>	1 x M25

### Electrical Specifications:

<b>Operating voltage:</b>	120-277VAC / 120-250VDC 347-415-480 VAC
<b>Operating temp:</b>	-40°C to +65°C
<b>EMC:</b>	CISPR 15 Flicker: IEC 61000-3-3 Immunity requirements for lighting: IEC 61547 Harmonics: IEC 61000-3-2 Class C
<b>Transient protection:</b>	6kV/3kA Optional: Additional surge protection module rated for 10kA, 20kA single strike
<b>THD:</b>	< 20%
<b>Power Factor:</b>	> 0.9
<b>Dimming:</b>	DALI 1 and DALI 2 compatible / 0-10V DC
<b>Auto switching:</b>	NEMA 3-pin receptacle with shorting cap (photocell sold separately)

### Construction:

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

### Photometric Information:

<b>CRI:</b>	70 (80 optional)
<b>CCT:</b>	5000K (cool white) 4000K (neutral white) 2200K (warm white) 2700K (warm white) - 80 CRI only Amber
<b>Beam pattern:</b>	Type II Medium Type III Short Type III Medium Type V

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

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# Ordering Information

## ProSite LED Streetlight - Non-Hazardous



Industrial - 120-277 VAC								
Part Number	Fixture Lumens	Wattage	Efficacy	Voltage	CCT/CRI	Lens	Optic	Receptacle with Cap
<b>ProSite Streetlight 12,000lm</b>								
S1E-NQB2-BSTN-VGN	12,300	81	152	120-277VAC	CW 5000K - 70 CRI	PC Optic Only	Type III Medium	Yes
S1E-NPB2-BSTN-VGN	12,000	81	148	120-277VAC	CW 5000K - 70 CRI	PC Optic Only	Type II Medium	Yes
S1E-NQL2-BSTN-VGN	12,300	81	152	120-277VAC	NW 4000K - 70 CRI	PC Optic Only	Type III Medium	Yes
S1E-NPL2-BSTN-VGN	12,000	81	148	120-277VAC	NW 4000K - 70 CRI	PC Optic Only	Type II Medium	Yes
S1E-NQW2-BSTN-VGN	10,000	81	123	120-277VAC	WW 2700K - 80 CRI	PC Optic Only	Type III Medium	Yes
S1E-NPW2-BSTN-VGN	9,800	81	121	120-277VAC	WW 2700K - 80 CRI	PC Optic Only	Type II Medium	Yes
<b>ProSite Streetlight 18,000lm</b>								
S1E-NQB2-CSTN-VGN	17,800	124	144	120-277VAC	CW 5000K - 70 CRI	PC Optic Only	Type III Medium	Yes
S1E-NPB2-CSTN-VGN	17,400	124	140	120-277VAC	CW 5000K - 70 CRI	PC Optic Only	Type II Medium	Yes
S1E-NQL2-CSTN-VGN	17,800	124	144	120-277VAC	NW 4000K - 70 CRI	PC Optic Only	Type III Medium	Yes
S1E-NPL2-CSTN-VGN	17,400	124	140	120-277VAC	NW 4000K - 70 CRI	PC Optic Only	Type II Medium	Yes
S1E-NQW2-CSTN-VGN	14,600	124	118	120-277VAC	WW 2700K - 80 CRI	PC Optic Only	Type III Medium	Yes
S1E-NPW2-CSTN-VGN	14,200	124	115	120-277VAC	WW 2700K - 80 CRI	PC Optic Only	Type II Medium	Yes
<b>ProSite Streetlight 24,000lm</b>								
S1E-NQB2-ESTN-VGN	23,400	175	134	120-277VAC	CW 5000K - 70 CRI	PC Optic Only	Type III Medium	Yes
S1E-NPB2-ESTN-VGN	22,700	175	130	120-277VAC	CW 5000K - 70 CRI	PC Optic Only	Type II Medium	Yes
S1E-NQL2-ESTN-VGN	23,400	175	134	120-277VAC	NW 4000K - 70 CRI	PC Optic Only	Type III Medium	Yes
S1E-NPL2-ESTN-VGN	22,700	175	130	120-277VAC	NW 4000K - 70 CRI	PC Optic Only	Type II Medium	Yes
S1E-NQW2-ESTN-VGN	19,100	175	109	120-277VAC	WW 2700K - 80 CRI	PC Optic Only	Type III Medium	Yes
S1E-NPW2-ESTN-VGN	18,600	175	106	120-277VAC	WW 2700K - 80 CRI	PC Optic Only	Type II Medium	Yes
<b>ProSite Streetlight 30,000lm</b>								
S1E-NQB2-FSTN-VGN	29,500	234	126	120-277VAC	CW 5000K - 70 CRI	PC Optic Only	Type III Medium	Yes
S1E-NPB2-FSTN-VGN	28,800	234	123	120-277VAC	CW 5000K - 70 CRI	PC Optic Only	Type II Medium	Yes
S1E-NQL2-FSTN-VGN	29,500	234	126	120-277VAC	NW 4000K - 70 CRI	PC Optic Only	Type III Medium	Yes
S1E-NPL2-FSTN-VGN	28,800	234	123	120-277VAC	NW 4000K - 70 CRI	PC Optic Only	Type II Medium	Yes
S1E-NQW2-FSTN-VGN	24,200	234	103	120-277VAC	WW 2700K - 80 CRI	PC Optic Only	Type III Medium	Yes
S1E-NPW2-FSTN-VGN	23,500	234	100	120-277VAC	WW 2700K - 80 CRI	PC Optic Only	Type II Medium	Yes

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 347-415-480 VAC change the 7th character to '5'.

Surge Protection - For 10kA surge protection 120-277 VAC change 7th character to '8'. For 10kA surge protection 347-415-480 VAC change 7th character to '9'.

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

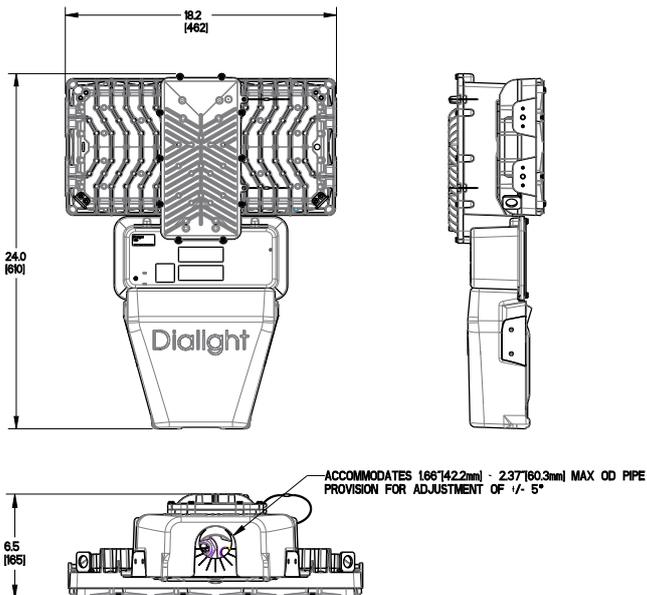
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## ProSite LED Streetlight - Hazardous S1 Models



### Certifications & Ratings

- 10 year warranty
- ATEX/IECEX Zone 2, 21 & 22
  - Ex ec IIC T4 Gc
  - Ex tb IIIC T110°C Db
  - ITS-I 22 ATEX 29411X
  - ITS-I 22 ATEX 294111X
  - IECEx ETL 22.0001X
- IP66/67
- IK08 - Glass lens
- L70 > 150,000 hours @ 25°C ambient



Dimensions in inches [mm]  
Additional dimensional drawings on page 10

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### Mechanical Information:

Fixture weight:	15.5 kg
Shipping weight:	18.8 kg
EPA (sq. m):	0.103
Mounting:	Cast aluminum mast arm bracket - suits 42.2-60.3mm OD pipe (-5°, 0°, +5° tilt settings)

Cable entry: 1 x M25

### Electrical Specifications:

Operating voltage:	120-277VAC / 120-250VDC
Operating temp:	-40°C to +65°C
EMC:	CISPR 15 Flicker: IEC 61000-3-3 Immunity requirements for lighting: IEC 61547 Harmonics: IEC 61000-3-2 Class C

Transient protection: 6kV/3kA

THD: < 20%

Power Factor: > 0.9

Dimming: DALI 1 and DALI 2 compatible / 0-10V DC

### Construction:

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

### Photometric Information:

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

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



# Ordering Information

## ProSite LED Streetlight - Hazardous

Hazardous - 120-277 VAC, ATEX / IECEx							
Part Number	Fixture Lumens	Wattage	Efficacy	Voltage	CCT/CRI	Lens	Optic
<b>ProSite Streetlight 12,000lm</b>							
S1B-7QB2-BDTN-VGN	10,600	81	131	120-277VAC	CW 5000K - 70 CRI	Glass	Type III Medium
S1B-7PB2-BDTN-VGN	10,300	81	127	120-277VAC	CW 5000K - 70 CRI	Glass	Type II Medium
S1B-7QL2-BDTN-VGN	10,600	81	131	120-277VAC	NW 4000K - 70 CRI	Glass	Type III Medium
S1B-7PL2-BDTN-VGN	10,300	81	127	120-277VAC	NW 4000K - 70 CRI	Glass	Type II Medium
S1B-7QW2-BDTN-VGN	8,600	81	106	120-277VAC	WW 2700K - 80 CRI	Glass	Type III Medium
S1B-7PW2-BDTN-VGN	8,400	81	104	120-277VAC	WW 2700K - 80 CRI	Glass	Type II Medium
<b>ProSite Streetlight 18,000lm</b>							
S1B-7QB2-CDTN-VGN	15,300	124	123	120-277VAC	CW 5000K - 70 CRI	Glass	Type III Medium
S1B-7PB2-CDTN-VGN	14,900	124	120	120-277VAC	CW 5000K - 70 CRI	Glass	Type II Medium
S1B-7QL2-CDTN-VGN	15,300	124	123	120-277VAC	NW 4000K - 70 CRI	Glass	Type III Medium
S1B-7PL2-CDTN-VGN	14,900	124	120	120-277VAC	NW 4000K - 70 CRI	Glass	Type II Medium
S1B-7QW2-CDTN-VGN	12,500	124	101	120-277VAC	WW 2700K - 80 CRI	Glass	Type III Medium
S1B-7PW2-CDTN-VGN	12,200	124	98	120-277VAC	WW 2700K - 80 CRI	Glass	Type II Medium
<b>ProSite Streetlight 24,000lm</b>							
S1B-7QB2-EDTN-VGN	20,000	175	114	120-277VAC	CW 5000K - 70 CRI	Glass	Type III Medium
S1B-7PB2-EDTN-VGN	19,500	175	111	120-277VAC	CW 5000K - 70 CRI	Glass	Type II Medium
S1B-7QL2-EDTN-VGN	20,000	175	114	120-277VAC	NW 4000K - 70 CRI	Glass	Type III Medium
S1B-7PL2-EDTN-VGN	19,500	175	111	120-277VAC	NW 4000K - 70 CRI	Glass	Type II Medium
S1B-7QW2-EDTN-VGN	16,300	175	93	120-277VAC	WW 2700K - 80 CRI	Glass	Type III Medium
S1B-7PW2-EDTN-VGN	15,900	175	91	120-277VAC	WW 2700K - 80 CRI	Glass	Type II Medium
<b>ProSite Streetlight 30,000lm</b>							
S1B-7QB2-FDTN-VGN	25,300	234	108	120-277VAC	CW 5000K - 70 CRI	Glass	Type III Medium
S1B-7PB2-FDTN-VGN	24,600	234	105	120-277VAC	CW 5000K - 70 CRI	Glass	Type II Medium
S1B-7QL2-FDTN-VGN	25,300	234	108	120-277VAC	NW 4000K - 70 CRI	Glass	Type III Medium
S1B-7PL2-FDTN-VGN	24,600	234	105	120-277VAC	NW 4000K - 70 CRI	Glass	Type II Medium
S1B-7QW2-FDTN-VGN	20,700	234	88	120-277VAC	WW 2700K - 80 CRI	Glass	Type III Medium
S1B-7PW2-FDTN-VGN	20,100	234	86	120-277VAC	WW 2700K - 80 CRI	Glass	Type II Medium

All values typical unless otherwise stated (tolerance +/-10%)  
 Optic - For Type V optic change 5th character to a '6'.  
 CCT - 2200K and amber options available, refer to Dialight representative for information.  
 Mounting Bracket - Mast arm bracket supplied as standard.

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# Lumen Tables

Lumen Output Family	Wattage (120-277 VAC)	Wattage (347-480 VAC)	Optic Character	Optic	PC Optic Only				Glass Lens				Polycarbonate Lens			
					5000K	4000K	2700K	2200K	5000K	4000K	2700K	2200K	5000K	4000K	2700K	2200K
12klm	81	84	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
18klm	124	128	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
24klm	175	179	P	Type II Medium	22,750	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
30klm	234	237	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

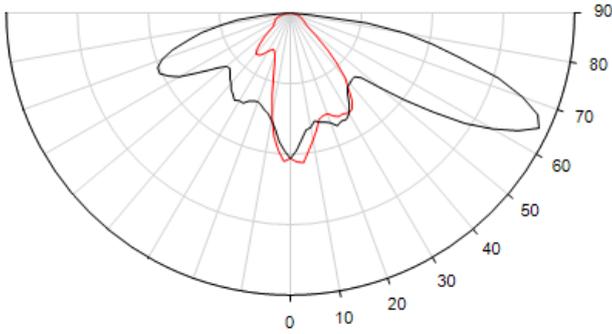
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# Inrush Current

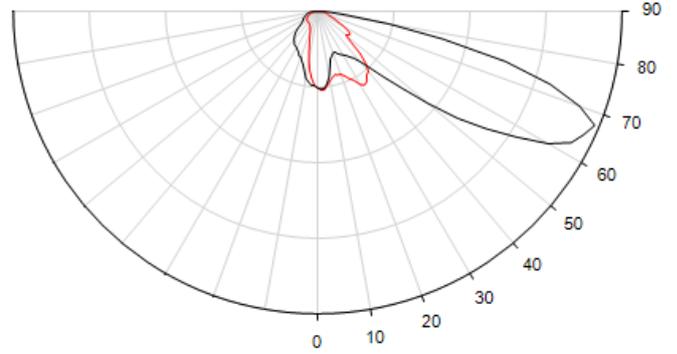
S1 Models					
VAC	120	240	347	415	480
Peak inrush current (A)	7.7	15.4	4.1	4.9	5.7
Duration, T50 (ms)	1.5	1.5	1.5	1.5	1.5

# Beam Distribution

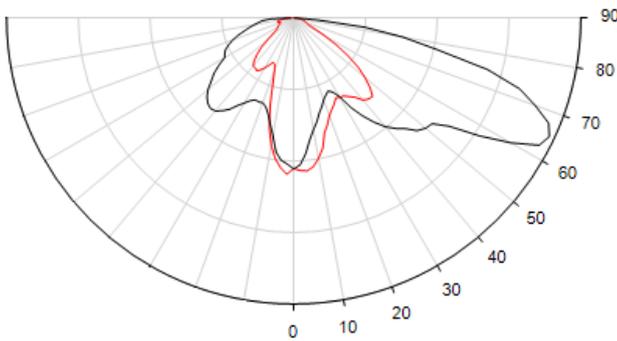
Type II Medium



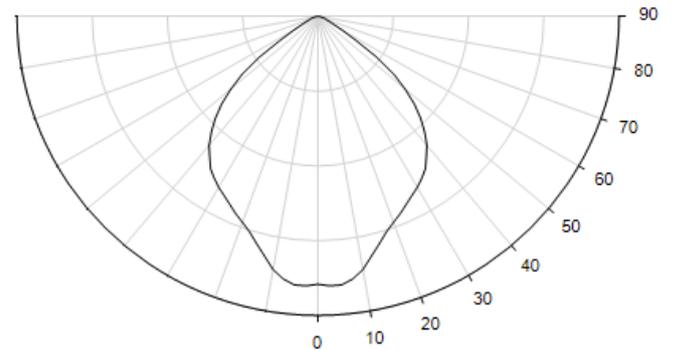
Type III Short



Type III Medium



Type V

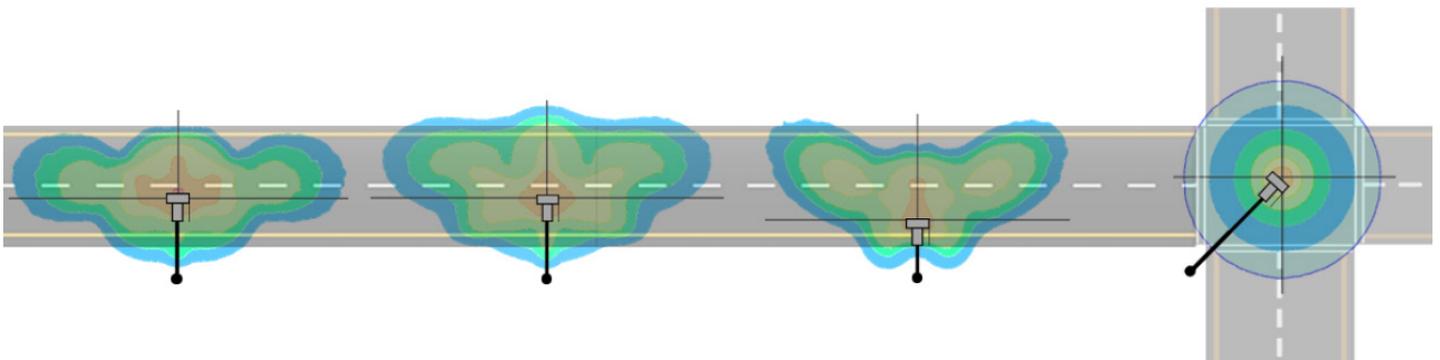


Type II (P)

Type III (Q)

Type III Short (J)

Type V (6)



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# Lumen Maintenance Factor - S1

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%
60°C	95%	93%	92%	91%	91%	90%	89%	89%	86%
65°C	94%	92%	92%	91%	90%	89%	88%	88%	85%

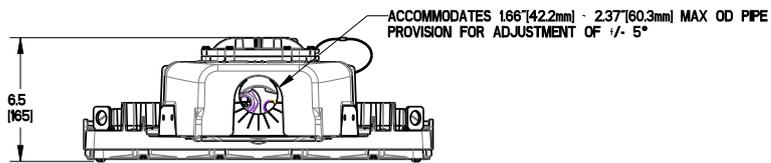
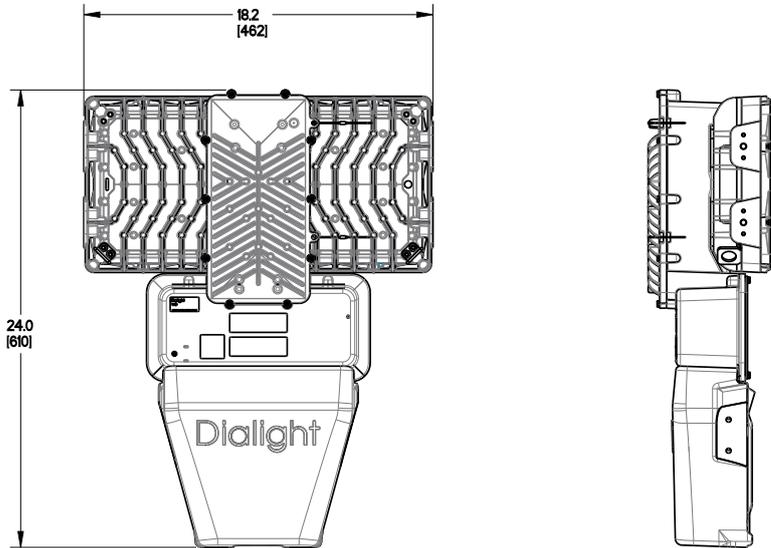
18k lm (Hours)									
Ambient	0	15000	30000	45000	60000	75000	90000	100000	150000
25°C	100%	98%	97%	96%	96%	95%	94%	93%	91%
30°C	99%	97%	96%	95%	95%	94%	93%	92%	90%
35°C	98%	96%	96%	95%	95%	94%	93%	92%	90%
40°C	98%	96%	95%	94%	94%	93%	92%	91%	89%
45°C	97%	95%	94%	93%	93%	92%	91%	90%	88%
50°C	96%	94%	94%	93%	93%	92%	91%	90%	88%
55°C	96%	94%	93%	92%	91%	90%	90%	89%	87%
60°C	95%	93%	92%	91%	91%	90%	89%	89%	86%
65°C	94%	92%	92%	91%	90%	89%	88%	88%	85%

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%
60°C	92%	90%	87%	85%	82%	80%	78%	76%	70%
65°C	91%	88%	86%	84%	81%	79%	77%	75%	68%

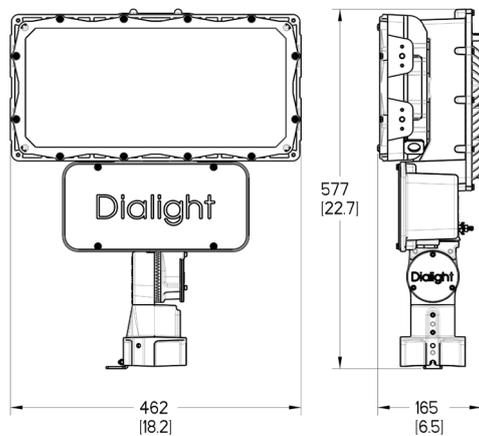
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# Dimensional Drawings

## S1 Streetlight



## S1 Slipfitter Bracket - CE/RCM

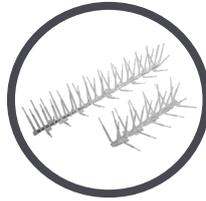


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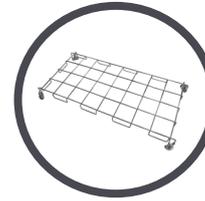
## Accessories



- H6XCAB72<sup>1</sup>**
- 72" stainless steel safety rope
  - Kit includes: (1) cable
- H6XCAB60<sup>1</sup>**
- 60" stainless steel safety rope
  - Kit includes: (1) cable



- F1SPIKES**
- Bird spikes



- FLWG**
- Wire guard
  - Kit includes (1) assembly



- SLPC01R**
- Photocell, 105-305 VAC
- SLPC02R**
- Photocell, 312-382 VAC
- SLPC03R**
- Photocell, 432-528 VAC

<sup>1</sup>S1 models require 1 cable per unit.

## Replacements



- FLGLASSLG**
- Glass lens, gray
- FLPCLG**
- Polycarb lens, gray

- Kit includes (1) assembly



- FL10KV277**
- 10kA surge protection 100-277V
- FL10KV480**
- 10kA surge protection 347-480V

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
F1PS5B	347-480V Power Supply, 12k lm
F1PS5C	347-480V Power Supply, 18k lm
F1PS5E	347-480V Power Supply, 24k lm
F1PS5F	347-480V Power Supply, 30k lm

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## Australia

108 Howe Street  
Osborne Park WA 6017  
Tel: +61(0)8 9244 7600  
sales@dialight.com.au

## Southeast Asia

56 Kallang Pudding Road  
#09 – 08 HH@Kallang  
Singapore 349328  
Tel: +65 6578 7271  
Fax: +65 6578 7150  
enquiry@dialight.com.sg

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