



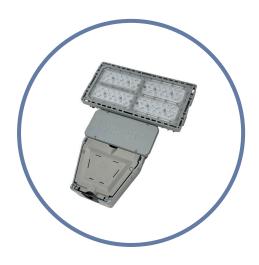
# **ProSite LED Streetlight**

Technical Specification Sheet - EMEA



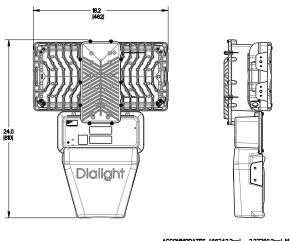
# **ProSite LED Streetlight - Non-Hazardous**

### S1 Models



#### **Certifications & Ratings**

- 10 year warranty
- CE / ENEC
- 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:**

**Fixture weight:** 11.0 - 15.5 kg **Shipping weight:** 14.3 - 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) Slipfitter bracket (7.5° tilt adjustment, for

vertical pole mount only)

Cable entry: 1 x M25

#### **Electrical Specifications:**

Operating voltage: 120-277VAC / 120-250VDC

347-415-480 VAC

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

Optional: Additional surge protection module rated

for 10kA, 20kA single strike

**THD:** < 20% **Power Factor:** > 0.9

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

Auto switching: NEMA 3-pin receptacle with shorting cap

**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 only

Amber

Beam pattern: Type II Medium

Type III Short Type III Medium

Type V

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

WARNING - INSTALLATION & SECONDARY RETENTION. Use of any Dialight products without proper installation (including secondary retention / netting) and periodic inspections could cause severe injury or death. Dialight recommends that all installations should use secondary retention / netting (appropriate to the installation environment) where applicable. It is the exclusive responsibility of the contractor, installer and/or end-user to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is safely installed (with secondary retention / netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under applicable laws, Dialight disclaims all liability for personal injury and/or other damage resulting from any dislodgment or other dislocation of its products.



# **Ordering Information**

### **ProSite LED Streetlight - Non-Hazardous**



					Industrial - 12	0-277 VAC				
STE-NOB2-BSTN-VGN   12,300   81   152   120-27TVAC   CW 5000K - 70 CRI   PC Optic Only   Type III Medium   Yes	Part Number		Wattage	Efficacy	Voltage	CCT/CRI	Lens	Optic	Receptacle with Cap	
STE-NPB2-BSTN-VGN   12,000   81   148   120-277VAC   CW 5000K - 70 CRI   PC Optic Only   Type III Medium   Yes	ProSite Streetlight 12,000lm									
STE-NGL2-BSTN-VGN   12,300   81   152   120-277VAC   NW 4000K - 70 CRI   PC Optic Only   Type  Il Medium   Yes	S1E-NQB2-BSTN-VGN	12,300	81	152	120-277VAC	CW 5000K - 70 CRI	PC Optic Only	Type III Medium	Yes	
STE-NPL2-BSTN-VGN	S1E-NPB2-BSTN-VGN	12,000	81	148	120-277VAC	CW 5000K - 70 CRI	PC Optic Only	Type II Medium	Yes	
STE-NGW2-BSTN-VGN   10,000   81   123   120-277VAC   WW 2700K - 80 CRI   PC Optic Only   Type III Medium   Yes	S1E-NQL2-BSTN-VGN	12,300	81	152	120-277VAC	NW 4000K - 70 CRI	PC Optic Only	Type III Medium	Yes	
S1E-NPW2-BSTN-VGN	S1E-NPL2-BSTN-VGN	12,000	81	148	120-277VAC	NW 4000K - 70 CRI	PC Optic Only	Type II Medium	Yes	
S1E-NGB2-CSTN-VGN	S1E-NQW2-BSTN-VGN	10,000	81	123	120-277VAC	WW 2700K - 80 CRI	PC Optic Only	Type III Medium	Yes	
S1E-NOB2-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 III Medium         Yes           S1E-NQL2-CSTN-VGN         17,400         124         144         120-277VAC         NW 4000K - 70 CRI         PC Optic Only         Type III Medium         Yes           S1E-NPU2-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 III Medium         Yes           S1E-NPW2-CSTN-VGN         14,200         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 III Medium         Yes           S1E-NPU2-ESTN-VGN         23,400         175         134         120-277VAC         CW 5000K - 70 CRI<	S1E-NPW2-BSTN-VGN	9,800	81	121	120-277VAC	WW 2700K - 80 CRI	PC Optic Only	Type II 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 II Medium         Yes           S1E-NQW2-CSTN-VGN         14,200         124         115         120-277VAC         WW 2700K - 80 CRI         PC Optic Only         Type II Medium         Yes           S1E-NQB2-ESTN-VGN         23,400         175         134         120-277VAC         CW 5000K - 70 CRI         PC Optic Only         Type II Medium         Yes           S1E-NQL2-ESTN-VGN         23,400         175         134         120-277VAC         CW 5000K - 70 CRI         PC Optic Only         Type II Medium         Yes           S1E-NQL2-ESTN-VGN         23,400         175         130         120-277VAC					ProSite Streetlig	ght 18,000lm				
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 III Medium         Yes           S1E-NPW2-CSTN-VGN         14,200         124         115         120-277VAC         WW 2700K - 80 CRI         PC Optic Only         Type III Medium         Yes           S1E-NPB2-ESTN-VGN         23,400         175         134         120-277VAC         CW 5000K - 70 CRI         PC Optic Only         Type III Medium         Yes           S1E-NPL2-ESTN-VGN         23,400         175         134         120-277VAC         NW 4000K - 70 CRI         PC Optic Only         Type III Medium         Yes           S1E-NPL2-ESTN-VGN         29,700         175         130         120-277VAC<	S1E-NQB2-CSTN-VGN	17,800	124	144	120-277VAC	CW 5000K - 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           ProSite Streetlight 24,000Im           S1E-NQB2-ESTN-VGN         23,400         175         134         120-277VAC         CW 5000K - 70 CRI         PC Optic Only         Type III Medium         Yes           S1E-NDB2-ESTN-VGN         23,400         175         134         120-277VAC         CW 5000K - 70 CRI         PC Optic Only         Type II Medium         Yes           S1E-NDL2-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 2700K - 80 CRI         PC Optic Only         Type II Medium         Yes           S1E-NPU2-ESTN-VGN         18,600	S1E-NPB2-CSTN-VGN	17,400	124	140	120-277VAC	CW 5000K - 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 III Medium         Yes           ProSite Streetlight 24,000Im           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 III Medium         Yes           S1E-NDL2-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 III Medium         Yes           S1E-NPW2-ESTN-VGN         19,100         175         109         120-277VAC         WW 2700K - 80 CRI         PC Optic Only         Type III Medium         Yes           S1E-NPW2-ESTN-VGN <td< td=""><td>S1E-NQL2-CSTN-VGN</td><td>17,800</td><td>124</td><td>144</td><td>120-277VAC</td><td>NW 4000K - 70 CRI</td><td>PC Optic Only</td><td>Type III Medium</td><td>Yes</td></td<>	S1E-NQL2-CSTN-VGN	17,800	124	144	120-277VAC	NW 4000K - 70 CRI	PC Optic Only	Type III Medium	Yes	
S1E-NPW2-CSTN-VGN	S1E-NPL2-CSTN-VGN	17,400	124	140	120-277VAC	NW 4000K - 70 CRI	PC Optic Only	Type II Medium	Yes	
ProSite Streetlight 24,000lm   S1E-NOB2-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 III 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 III 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 III Medium   Yes   Yes   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   29,500   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   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 III Medium   Yes   S1E-NPL2-FSTN-VGN   28,800   234   123   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 III Medium   Yes   S1E-NPL2-FSTN-VGN   24,200   234   103   120-277VAC   WW 2700K - 80 CRI   PC Optic Only   Type III Medium   Yes   S1E-NPL2-FSTN-VGN   24,200   234   103   120-277VAC   WW 2700K - 80 CRI   PC Optic Only   Type III Medium   Yes   S1E-NPL2-FSTN-VGN   24,200   234   103   120-277VAC   WW 2700K - 80 CRI   PC Optic Only   Type III Medium   Yes   S1E-NPL2-FSTN-VGN   24,200   234   103   120-277VAC   WW 2700K - 80 CRI   PC Optic Only   Type III Medium   Yes   S1E-NPL2-FSTN-VGN   24,200   234   103   120-277VAC   WW 2700K - 80 CRI	S1E-NQW2-CSTN-VGN	14,600	124	118	120-277VAC	WW 2700K - 80 CRI	PC Optic Only	Type III Medium	Yes	
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 II 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 II Medium         Yes           S1E-NPW2-ESTN-VGN         18,600         175         106         120-277VAC         WW 2700K - 80 CRI         PC Optic Only         Type II Medium         Yes           S1E-NQB2-FSTN-VGN         29,500         234         126         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	S1E-NPW2-CSTN-VGN	14,200	124	115	120-277VAC	WW 2700K - 80 CRI	PC Optic Only	Type II 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 II 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 II Medium         Yes           S1E-NPW2-ESTN-VGN         18,600         175         106         120-277VAC         WW 2700K - 80 CRI         PC Optic Only         Type II Medium         Yes           ProSite Streetlight 30,000Im           S1E-NQB2-FSTN-VGN         29,500         234         126         120-277VAC         CW 5000K - 70 CRI         PC Optic Only         Type II Medium         Yes           S1E-NQB2-FSTN-VGN         28,800         234         123         120-277VAC         CW 5000K - 70 CRI         PC Optic Only         Type II Medium         Yes           S1E-NPL2-FSTN-VGN         28,800         234         <					ProSite Streetlig	ght 24,000lm				
\$1E-NQL2-ESTN-VGN 23,400 175 134 120-277VAC NW 4000K - 70 CRI PC Optic Only Type III Medium Yes \$1E-NPL2-ESTN-VGN 22,700 175 130 120-277VAC NW 4000K - 70 CRI PC Optic Only Type III Medium Yes \$1E-NQW2-ESTN-VGN 19,100 175 109 120-277VAC WW 2700K - 80 CRI PC Optic Only Type III Medium Yes \$1E-NPW2-ESTN-VGN 18,600 175 106 120-277VAC WW 2700K - 80 CRI PC Optic Only Type III Medium Yes \$1E-NPW2-ESTN-VGN 29,500 234 126 120-277VAC CW 5000K - 70 CRI PC Optic Only Type III Medium Yes \$1E-NPB2-FSTN-VGN 28,800 234 123 120-277VAC CW 5000K - 70 CRI PC Optic Only Type III Medium Yes \$1E-NQL2-FSTN-VGN 29,500 234 126 120-277VAC NW 4000K - 70 CRI PC Optic Only Type III Medium Yes \$1E-NPL2-FSTN-VGN 29,500 234 126 120-277VAC NW 4000K - 70 CRI PC Optic Only Type III Medium Yes \$1E-NPL2-FSTN-VGN 28,800 234 123 120-277VAC NW 4000K - 70 CRI PC Optic Only Type III Medium Yes \$1E-NPL2-FSTN-VGN 28,800 234 123 120-277VAC NW 4000K - 70 CRI PC Optic Only Type III Medium Yes \$1E-NPL2-FSTN-VGN 28,800 234 123 120-277VAC NW 4000K - 70 CRI PC Optic Only Type III Medium Yes \$1E-NQW2-FSTN-VGN 24,200 234 103 120-277VAC WW 2700K - 80 CRI PC Optic Only Type III Medium Yes	S1E-NQB2-ESTN-VGN	23,400	175	134	120-277VAC	CW 5000K - 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           ProSite Streetlight 30,000Im           S1E-NQB2-FSTN-VGN         29,500         234         126         120-277VAC         CW 5000K - 70 CRI         PC Optic Only         Type II Medium         Yes           S1E-NQB2-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 II Medium         Yes           S1E-NQL2-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	S1E-NPB2-ESTN-VGN	22,700	175	130	120-277VAC	CW 5000K - 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           ProSite Streetlight 30,000Im           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-NQL2-ESTN-VGN	23,400	175	134	120-277VAC	NW 4000K - 70 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           ProSite Streetlight 30,000Im           S1E-NQB2-FSTN-VGN         29,500         234         126         120-277VAC         CW 5000K - 70 CRI         PC Optic Only         Type II 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 II 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-NPL2-ESTN-VGN	22,700	175	130	120-277VAC	NW 4000K - 70 CRI	PC Optic Only	Type II Medium	Yes	
ProSite Streetlight 30,000Im           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-NQW2-ESTN-VGN	19,100	175	109	120-277VAC	WW 2700K - 80 CRI	PC Optic Only	Type III Medium	Yes	
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-ESTN-VGN	18,600	175	106	120-277VAC	WW 2700K - 80 CRI	PC Optic Only	Type II 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					ProSite Streetlig	ght 30,000lm				
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-NQB2-FSTN-VGN	29,500	234	126	120-277VAC	CW 5000K - 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-NPB2-FSTN-VGN	28,800	234	123	120-277VAC	CW 5000K - 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-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-NPW2-FSTN-VGN         23,500         234         100         120-277VAC         WW 2700K - 80 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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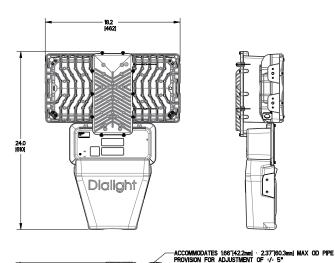
# **ProSite LED Streetlight - Hazardous**

### 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





#### **Mechanical Information:**

Fixture weight: 15.5 kg
Shipping weight: 18.3 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**



			Hazardou	ıs - 120-277 VAC, A	TEX / IECEx			
Part Number	Fixture Lumens	Wattage	Efficacy	Voltage	CCT/CRI	Lens	Optic	
ProSite Streetlight 12,000lm								
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	
			P	roSite Streetlight 18,0	00lm			
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	
			P	roSite Streetlight 24,0	00lm			
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	
			P	roSite Streetlight 30,0	00lm			
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.



# **Lumen Tables**

Lumen	Wallage   Wallage   Ontic			PC Optic Only				Glass Lens				Polycarbonate Lens				
Output Family	(120-277 VAC)	(347-480 VAC)	Character	Optic	5000K	4000K	2700K	2200K	5000K	4000K	2700K	2200K	5000K	4000K	2700K	2200K
			Р	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
12klm	81	84	J	Type III Short	11,418	11,418	9,340	9,625	-	-	-	-	-	-	-	-
IZKIII	01	04	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
			Р	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
18klm	124	124 128	J	Type III Short	16,522	16,522	13,515	13,928	-	-	-	-	-	-	-	-
TOKITI	124	120	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
			Р	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
24klm	175	179	J	Type III Short	21,625	21,625	17,689	18,230	-	-	-	-	-	-	-	-
24KIIII	175	179	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
			Р	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
001-1	004	234 237	J	Type III Short	27,334	27,334	22,359	23,043	-	-	-	-	-	-	-	-
30klm	234		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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7

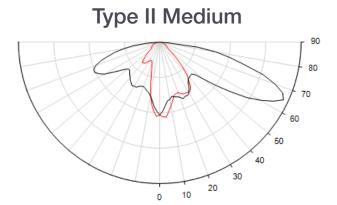


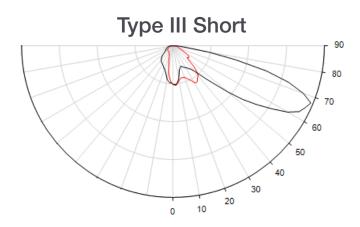
# **Inrush Current**

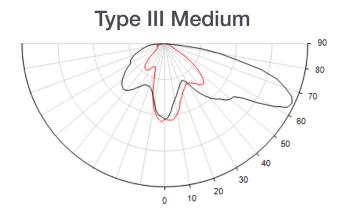
S1 Models								
VAC	120	240	347	415	480			
Peak inrush current (A)	7.7	15.4	4.1	4.9	5.7			
Duration, T50 (ms)	1.5	1.5	1.5	1.5	1.5			

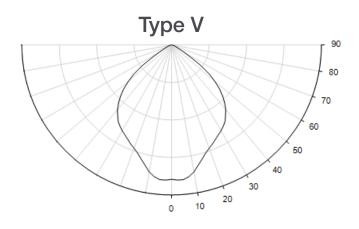


## **Beam Distribution**







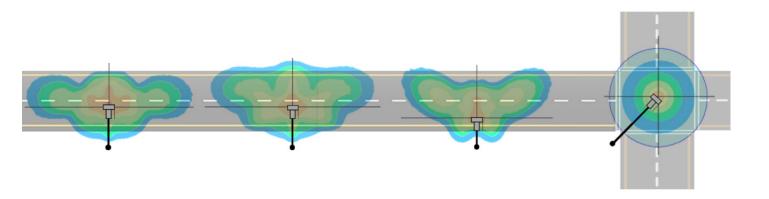


Type II (P)

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%	

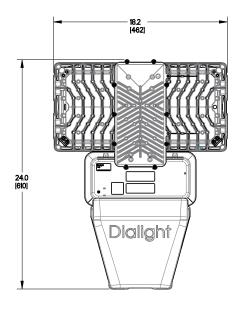
	30k lm (Hours)									
Ambient	0	15000	30000	45000	60000	75000	90000	100000	150000	
25°C	100%	98%	95%	93%	91%	89%	87%	85%	79%	
30°C	99%	97%	94%	92%	90%	88%	86%	84%	78%	
35°C	98%	96%	93%	91%	89%	87%	85%	83%	77%	
40°C	97%	94%	92%	90%	88%	85%	83%	82%	76%	
45°C	96%	93%	91%	88%	86%	84%	82%	81%	74%	
50°C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

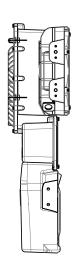
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# **Dimensional Drawings**

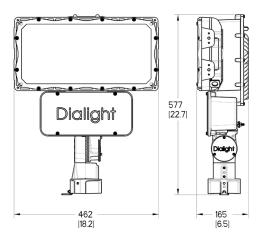
### S1 Streetlight







### S1 Slipfitter Bracket - CE/RCM



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### **Accessories**



#### H6XCAB72

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





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

# Replacements



### SLPC01R

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



#### FL10KV277

10kA surge protection 100-277V

#### FL10KV480

• 10kA surge protection 347-480V



• 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 Im						
F1PS2F	120-277V Power Supply, 30k Im						
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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