



# BLADE COURT LIGHT

**SP19**

**Precision Lighting, Custom-built for Padel & Pickleball.**



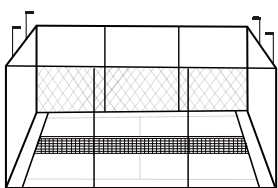
## Description

SP19 is an innovative linear sports light, typically designed for outdoor and indoor padel & pickleball courts. Its long shape and large luminous surface contribute to uniform light output. Multiple installation ways satisfy different applications.

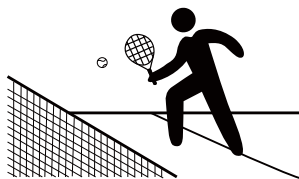
## Key Features

- Luminous efficacy up to 178lm/w.
- Long shape well fit the field size, less luminaires for same lighting performance.
- Large luminous surface for uniform light output.
- IP66 and IK10.
- Passed 1500 hours salt spray test.

## Applications



**Padel & Pickleball courts**



**Tennis courts**

## FUNCTION TABLE

| Series constant | Lamp code | Power    | CCT/CRI         | Beam distribution | Voltage    | Example                |
|-----------------|-----------|----------|-----------------|-------------------|------------|------------------------|
| SP              | 19        | 240=240W | 4070=4000K Ra70 | F05608            | U=120-277V | SP19-240-4070-F05608-U |
|                 |           | 320=320W | 4080=4000K Ra80 |                   |            |                        |
|                 |           |          | 5070=5000K Ra70 |                   |            |                        |
|                 |           |          | 5080=5000K Ra80 |                   |            |                        |

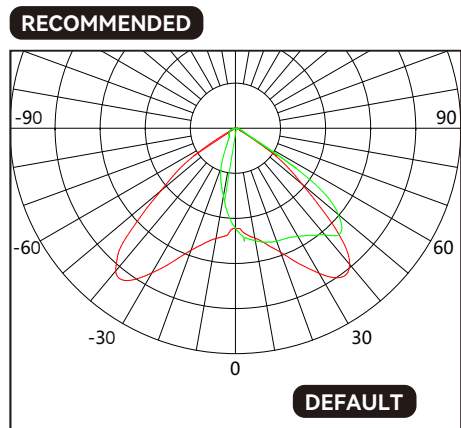
## GENERAL INFORMATION

|                            |                                          |
|----------------------------|------------------------------------------|
| Housing materials          | Aluminum alloy                           |
| Mounting bracket materials | ZAM                                      |
| Housing finish             | Special surface treatment+Powder coating |
| Mounting bracket finish    | Powder coating                           |
| Optic materials            | Polycarbonate(PC)                        |
| Fixture color              | Black RAL9017                            |
| Electrical class           | Class I                                  |
| CCT selection DIP switch   | NO                                       |
| Power selection DIP switch | NO                                       |
| Emergency                  | NO                                       |
| Sensor                     | NO                                       |
| Light source SDCM          | <5                                       |
| Impact resistance          | IK10                                     |
| Ingress protection         | IP66                                     |
| Category of corrosion      | C5(ISO 9223:2012)                        |
| Certification              | UL/DLC                                   |
| Warranty(years)            | 5                                        |

## TECHNICAL DATA

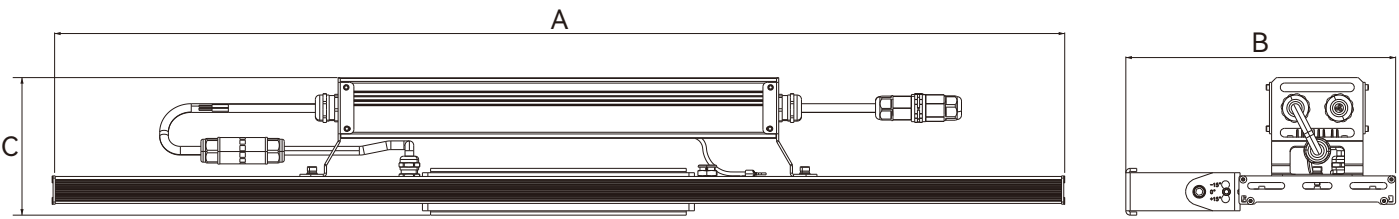
| Code                             |        | SP19-240                        | SP19-320           |
|----------------------------------|--------|---------------------------------|--------------------|
| Nominal wattage(W)±5%            |        | 240                             | 320                |
| Driver type                      |        | Constant current(CC)            |                    |
| Control                          |        | 0-10V                           |                    |
| Nominal voltage(V)               |        | 120-277Vac, 50/60Hz             |                    |
| Power factor(at full load)       |        | >0.9                            |                    |
| Flicker factor                   |        | <2%                             |                    |
| THD                              |        | <10%@120V                       |                    |
| Surge protection                 |        | L-N: 6KV, L/N-E: 6KV            |                    |
| Light source                     |        | LED 5050                        |                    |
| Color rendering index            |        | Ra70 (Ra80 optional)            |                    |
| Color temperature(K)             |        | 5000K (4000K optional)          |                    |
| General luminous efficacy(lm/W)  |        | 174lm/W@5000K Ra70              | 178lm/W@5000K Ra70 |
| Luminous flux(lm) ±10% Ra70      |        | 41095-41594                     | 56463-57135        |
| Luminous flux(lm) ±10% Ra80      |        | 38606-38802                     | 53254-53444        |
| Beam angle                       |        | F05608                          |                    |
| Luminaire windage area (SCx)(m²) | at 0°  | 0.09m² (0.938ft²)               | 0.13m² (1.404ft²)  |
|                                  | at 15° | 0.10m² (1.123ft²)               | 0.16m² (1.680ft²)  |
| Operating temperature            |        | -30°C to +45°C(-22°F to +113°F) |                    |
| Lifespan of LED @Ta=25°C(hrs)    |        | 67,100-L90B10                   |                    |
|                                  |        | 165,600-L80B10                  |                    |
|                                  |        | 258,900-L70B10                  |                    |

## OPTICS



Asymmetrical intense 38° F05608

# MEASUREMENT



| Product code | Luminaire dimensions<br>AxBxC         | Separate parts   | Product weight ±6%   |                     | Package weight ±6% |                     | Carton size                           | Qty/<br>CTN |
|--------------|---------------------------------------|------------------|----------------------|---------------------|--------------------|---------------------|---------------------------------------|-------------|
|              |                                       |                  | N.W/PC               | G.W/PC              | N.W/CTN            | G.W/CTN             |                                       |             |
| SP19-240     | 621x248x127mm<br>(24.45"x9.76"x5.00") | Luminaire        | 3.7kg<br>(8.16lbs)   | -                   | -                  | 4.5kg<br>(9.92lbs)  | 655x175x145mm<br>(25.79"x6.89"x5.71") | 1           |
|              |                                       | Mounting bracket | 0.7kg<br>(1.54lbs)   | 0.76kg<br>(1.68lbs) | 2.8kg<br>(6.17lbs) | 3.05kg<br>(6.72lbs) | 280x200x120mm<br>(11.02"x7.87"x4.72") | 4           |
| SP19-320     | 929x248x127mm<br>(36.57"x9.76"x5.00") | Luminaire        | 4.75kg<br>(10.47lbs) | -                   | -                  | 5.8kg<br>(12.79lbs) | 965x175x145mm<br>(37.99"x6.89"x5.71") | 1           |
|              |                                       | Mounting bracket | 0.7kg<br>(1.54lbs)   | 0.76kg<br>(1.68lbs) | 2.8kg<br>(6.17lbs) | 3.05kg<br>(6.72lbs) | 280x200x120mm<br>(11.02"x7.87"x4.72") | 4           |

# MOUNTING OPTIONS



# ACCESSORIES

## Pole mounting adaptor



| Code      | Product weight ±6%  |                     | Package weight ±6%  |                     | Carton size                            | Qty/<br>CTN |
|-----------|---------------------|---------------------|---------------------|---------------------|----------------------------------------|-------------|
|           | N.W/PC              | G.W/PC              | N.W/CTN             | G.W/CTN             |                                        |             |
| BC-F15-06 | 0.75kg<br>(1.65lbs) | 0.88kg<br>(1.94lbs) | 7.5kg<br>(16.53lbs) | 9.4kg<br>(20.72lbs) | 585x290x200mm<br>(23.03"x11.42"x7.87") | 10          |



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