



## Essential SmartBright Streetlight



# Product Pictures



## High Specs (Philips Brand)

- Essential SB range mainly for budget road light segment.
- 130lm/w, Batwing Distribution,
- $-40 < t_a < 50$ , IP66, IK08,
- 30k hours life
- In-built branding in tooling.
- 220-240V



# Product Look & Feel



# Possible Applications (Pictures are only indicative)

- Pathway light is a TRADE channel product, sold to contractors through retail outlet.
- It is a good-enough spec product for cost conscious contractors.



Pedestrians Road



Area



Housing Projects



Parking Lot



Amateur sports application



Security



Parks walkways

# One Pole Mount – Tow Possibilities (both with 15° up/down)



|                                  |                     |      |  |      |  |      |  |
|----------------------------------|---------------------|------|--|------|--|------|--|
| High Specs                       |                     | 30W  |  | 50W  |  | 70W  |  |
| Ta for claimed spec Ta (°C)      |                     | 25   |  | 25   |  | 25   |  |
| Operating Temperature range      | - 40°C < Ta< 50°C   |      |  |      |  |      |  |
| IK Level                         | IK08                |      |  |      |  |      |  |
| Ingress Protection Rating        | IP65                |      |  |      |  |      |  |
| Input Voltage(v)                 | 220-240V            |      |  |      |  |      |  |
| Frequency(Hz)                    | 50/60hz             |      |  |      |  |      |  |
| Power Factor (PF)                | >0.9                |      |  |      |  |      |  |
| Classification                   | I                   |      |  |      |  |      |  |
| Driver Type                      | DC Driver           |      |  |      |  |      |  |
| Surge (L-L/LN-G)                 | [2/4 KV (220-240v)] |      |  |      |  |      |  |
| Luminous Efficacy(lm/w)          | 130 lm/w @ 4000k    |      |  |      |  |      |  |
| Lumen Flux(lm) @4000K ta25       |                     | 3900 |  | 6500 |  | 9100 |  |
| Color Temperature(k)             | 6500K               |      |  |      |  |      |  |
| CRI Ra                           | 70 (typ)            |      |  |      |  |      |  |
| SDCM (Size of MacAdam ellipse)   | <5                  |      |  |      |  |      |  |
| Beam Angle°(50%)                 | Batwing             |      |  |      |  |      |  |
| system lifetime (Hours)          | 30khrs(L70B50@25C)  |      |  |      |  |      |  |
| Design Standard (Sustainability) | RoHS; Reach         |      |  |      |  |      |  |
| Certification / approbation      | CB CE CQC           |      |  |      |  |      |  |
| housing materials                | PC / Alum AL ADC1   |      |  |      |  |      |  |
| individual package               | Yes                 |      |  |      |  |      |  |

| Description                  | Housing Size     |
|------------------------------|------------------|
| BRP121 LED39 CW 30W 220-240V | 340 x 121 x 35mm |
| BRP121 LED65 CW 50W 220-240V | 370 x 135 x 35mm |
| BRP121 LED91 CW 70W 220-240V | 390 x 145 x 35mm |

@signify