Starbeam Eco

LED floodlights and streetlights

Starbeam Eco is a supremely efficient, longer-life IP66 pole-top or wall-mounted LED floodlight luminaire with an aluminium cast body and fast-release gear compartment lid.

Designed to suit a range of external applications, Starbeam Eco's sealed acrylic lenses are available with either area or roadway light distributions. The luminaire includes an integral high-quality LED driver. Emergency, SmartScan, and photocell options are all available.

Applications: car parks, amenity areas, hospital estates, general roadway, and railway platforms.

- Strong high pressure die-cast LM6 aluminium body with acrylic high efficiency LED lenses
- Area or roadway optical distributions
- Integral high efficiency driver
- Extremely efficient and long system life up to 100,000 hours
- Wide range of mounting options, including wall mounting bracket
- Photocell option
- SmartScan wireless technology removes the need for control cabling. Ideal for retro-fit



Up to IP66 | IK08 | Up to 135.1 LL/CW | SMARTSCAN | LED PROTECT

Specification

Mounting	**Column** **Surface**	IP rating	**Up to IP66**
Impact rating	**IK08**	Max presence detection height	**8 m**

Lighting

Distribution	**Area** **Roadway**	Lumen output	**4,135 lm - 6,890 lm**
Efficacy	**Up to 135.1 LL/CW**	External upward light	**Zero upward light**

Emergency data

Emergency lumen output	**605 lm - 680 lm**	Emergency type	**Maintained**
Emergency duration	**3 hours**	Battery specification	**Nickel Metal Hydride (NiMH)**

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Power

LED power	**31 W - 48 W**	Circuit power	**35 W - 51 W**

Construction

Housing	**Die-cast aluminium body, lid and gear compartment**	Finish	**Full polyester powder coat**
Body colour	**Silver (RAL 9006) body / Graphite lid**	Optical assembly	**Acrylic high efficiency LED lenses**

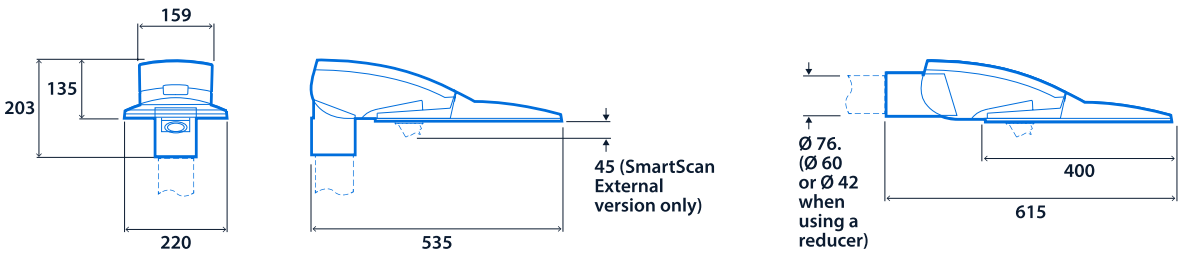
LED characteristics

CRI	**70+**	Colour temperature	**4000 K**
Rated life (hours)	**100 K - L90/B10**	LED protection	**LED Protect**
Driver efficiency	**>90%**	Replaceable light source	**Yes**
Power factor	**>0.9**	MacAdam ellipse	**5 Step**
Flicker metric	**IEC TR 61547-1: PstLM ≤1.0 / SVM ≤0.4**		

Compliance

UKCA	**Yes**	CE	**Yes**
Energy efficiency class	**This product contains a light source of energy efficiency class C**		

Dimensions



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Range

	LED power	Emergency system (optional)	Area distribution	Roadway distribution	Lighting control system
SmartScan	31 W	**W**	**SB19673**	**SB19675**	**SS**
	48 W	**W**	**SB19674**	**SB19676**	**SS**
Standard	31 W	-	**SB19677**	**SB19679**	**L / LPC**
	48 W	-	**SB19678**	**SB19680**	**L / LPC**

Emergency system - prefix catalogue number with **W** SmartScan Emergency
Lighting control system - suffix catalogue number with **SS** SmartScan External / **L** Non-dimming / **LPC** Photocell (non-dimming)

E.g. **WSB19673SS** = 31 W / SmartScan Emergency / Area distribution / SmartScan External

Mounting Accessories

Product code	Description	Weight
SB15863	Single outreach arm - To fit on to 76 mm dia.	-
SB17788	Single outreach arm - To fit on to 89 mm dia.	-
SB15865	Single outreach arm - To fit on to 101 mm dia.	-
SB17180	Single outreach arm - To fit on to 114 mm dia.	-
SB15864	Twin outreach arm 180° - To fit on to 76 mm dia.	-
SB17789	Twin outreach arm 180° - To fit on to 89 mm dia.	-
SB15866	Twin outreach arm 180° - To fit on to 101mm dia.	-
SB17181	Twin outreach arm 180° - To fit on to 114 mm dia.	-
SB15890K	Twin outreach arm 90° - To fit on to 76 mm dia. - Supplied with 2 x 76-60 mm reducer kits (SB15809)	-
SB19695K	Twin outreach arm 90° - To fit on to 89 mm dia. - Supplied with 2 x 76-60 mm reducer kits (SB15809)	-
SB15893K	Twin outreach arm 90° - To fit on to 101 mm dia. - Supplied with 2 x 76-60 mm reducer kits (SB15809)	-
SB15896K	Triple outreach arm 120° - To fit on to 89 mm dia. - Supplied with 3 x 76-60 mm reducer kits (SB15809)	-
SB15894K	Triple outreach arm 120° - To fit on to 101 mm dia. - Supplied with 3 x 76-60 mm reducer kits (SB15809)	-
SB15897K	Quad outreach arm N-S-E-W - To fit on to 89 mm dia. - Supplied with 4 x 76-60 mm reducer kits (SB15809)	-
SB15895K	Quad outreach arm N-S-E-W - To fit on to 101 mm dia. - Supplied with 4 x 76-60 mm reducer kits (SB15809)	-
POT89-76	Column adaptor - 89-76 mm - To fit on to 89 mm dia.	-
POT101-76	Column adaptor - 101-76 mm - To fit on to 101 mm dia.	-
POT114-76	Column adaptor - 114-76 mm - To fit on to 114 mm dia.	-
SB15809	Bracket arm reducer - 76-60 mm - To fit on to 60 mm bracket arm	-
SB15810	Bracket arm reducer - 76-42 mm - To fit on to 42 mm bracket arm	-
SB15808	Wall mounting bracket	-

Single or Twin Luminaire Columns

Product code	Description	Weight
FC4	4 m - Standard duty column - 76 mm shaft diameter	33 kg
FC5	5 m - Standard duty column - 76 mm shaft diameter	40 kg
FC6	6 m - Standard duty column - 76 mm shaft diameter	44 kg
FC8	8 m - Medium duty column - 114 mm shaft diameter reduced at top to 101 mm	100 kg
FC10	10 m - Medium duty column - 114 mm shaft diameter reduced at top to 101 mm	142 kg

Triple or Quad Luminaire Columns

Product code	Description	Weight
FC4/89	4 m - Medium duty column - 89 mm shaft diameter	60 kg
FC5/89	5 m - Medium duty column - 89 mm shaft diameter	64 kg
FC6/89	6 m - Medium duty column - 89 mm shaft diameter	68 kg
FC8	8 m - Medium duty column - 114 mm shaft diameter reduced at top to 101 mm	100 kg
FC10	10 m - Medium duty column - 114 mm shaft diameter reduced at top to 101 mm	142 kg







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Information is correct as of 04 Nov 2026, however must not be interpreted as a guarantee of individual product performance and/or characteristics. We reserve the right to alter specifications and designs without prior notice.