Starbeam

LED area floodlights and streetlights



The Thorlux Starbeam is a supremely efficient and optically versatile IP66 pole-top or wall-mounted LED luminaire.

Starbeam comprises a marine-grade LM6 aluminium alloy body and high-transmission toughened glass cover, maximising LED efficiency and optical distribution. Using the patented MountSet fixing method, Starbeam fits column and bracket diameters from 34 mm to 76 mm without the need for additional reducers or inserts, and is easily installed with tool-free access.

Starbeam is available with a selection of light distributions suitable for both open areas and roadway applications, enabling seamless implementation into designs.

Applications: car parks, amenity areas, walkways, general roadways, access roads, and loading areas/yards.

- Strong high pressure die-cast LM6 aluminium body with toughened glass cover
- Area and roadway optics, with a selection of distribution types available
- Extremely efficient and long system life up to 100,000 hours
- The innovative and patented MountSet mechanism ensures a secure, universal fit for diameters from 34 mm to 76 mm, eliminating the need for reducers or adaptors
- Tool-free access for easy installation and maintenance
- Front, rear and side baffles available to order separately
- SmartScan wireless technology removes the need for control cabling. Ideal for retro-fit
- Photocell option

Notes: Emergency versions not suitable for high ambient temperatures

IP66 **IK08** **Up to 171.8 LL/CW** SMARTSCAN LED PROTECT **TM66 circularity score 2.7**

Specification

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

Sustainability

TM66 circularity score	**2.7**

Lighting

Optic	**Clear glass cover**	Distribution	**Area standard** **Area symmetric** **Roadway max** **Roadway standard** **Roadway wide**
Lumen output	**3,255 lm - 48,210 lm**	Efficacy	**Up to 171.8 LL/CW**
External upward light	**Zero upward light**		

Emergency data

Emergency lumen output	**625 lm - 840 lm**	Emergency type	**Maintained**
Emergency duration	**3 hours**	Battery specification	**Lithium Iron Phosphate (LiFePO4)**

Power

LED power	**22 W - 292 W**	Circuit power	**24 W - 307 W**

Construction

Housing	**Strong high pressure die-cast LM6 aluminium body, lid and gear compartment**	Finish	**Full polyester powder coat**
Body colour	**Silver (RAL 9006)**	Optical assembly	**Flat glass cover with zero upward light and high efficiency lenses with a wide range of optical distributions**

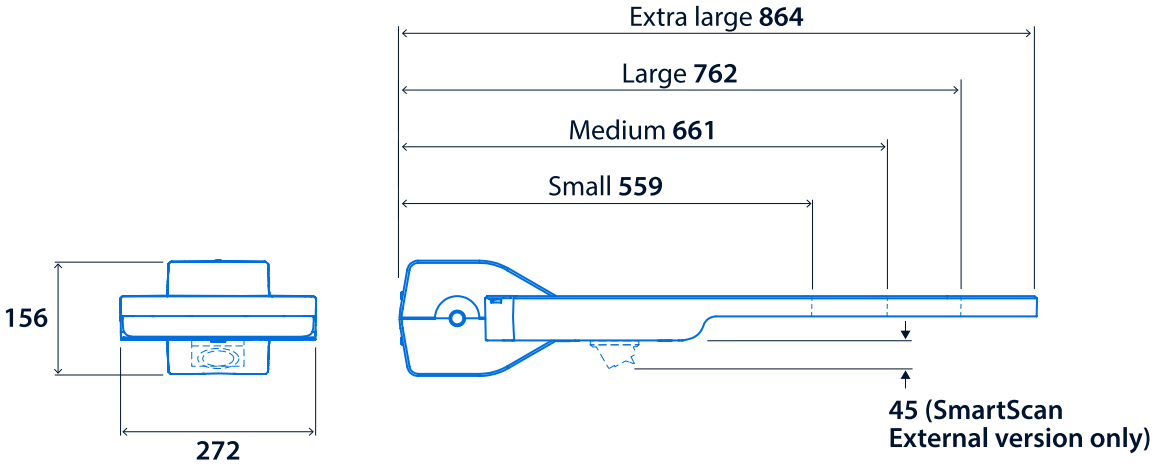
LED characteristics

CRI	**70+**	Colour temperature	**2700 K** **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**

Dimensions


Extra large 864
Large 762
Medium 661
Small 559
156
272
45 (SmartScan
External version only)

Starbeam

Range

Emergency system (optional)**	Product	LED power	Distribution	Colour temperature	Lighting control system
W SmartScan Emergency*	**SB** Starbeam	**022** 22 W - Small **050** 50 W - Small **085** 85 W - Medium **128** 128 W - Medium **191** 191 W - Large **292** 292 W - Extra large	**A** Area Standard **B** Area Symmetric **C** Roadway Standard **D** Roadway Wide **E** Roadway Max	**27** 2700 K **40** 4000 K	**S** SmartScan External **P** Photocell **L** Non-dimming

* **Only** available with **S** control type ** **Only** available on **22 W / 50 W / 85W** versions
Tamper-resistant screws - suffix catalogue number with **T**

E.g. **WSB022A27ST** = SmartScan Emergency / Starbeam / 22 W - Small / Area Standard / 2700 K / SmartScan External / Tamper-resistant screws

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)	-
SB15808	Wall mounting bracket	-
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.	-

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

Accessories

Product code	Description	Weight
SB20920	Side baffle - Small version - Suitable for 22 W and 50 W body sizes only	0.18 kg
SB20921	Side baffle - Medium version - Suitable for 82 W and 128 W body sizes only	0.1 kg
SB20922	Side baffle - Large version - Suitable for 191 W body sizes only	0.15 kg
SB20923	Side baffle - Extra large version - Suitable for 292 W body sizes only	0.19 kg
SB20924	Front baffle - Universal - Suitable for all Starbeam body sizes	0.1 kg
SB20925	Rear baffle - Universal - Suitable for all Starbeam body sizes	0.1 kg



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Information is correct as of 02 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.