

STARBEAM PLUS

CONFIGURATOR

EMERGENCY TYPE ♦	PRODUCT CODE	WATTAGE	DISTRIBUTION	COLOUR TEMPERATURE	CONTROL TYPE
Small version					
W SmartScan Emergency *	SM Starbeam Plus	031 31W	A2 Area	3 3000K	S SmartScan External
E Standard Emergency **		062 62W	A5 Flood	4 4000K	L Non-dimming
		088 88W			P Photocell
		123 123W			
		161 161W			
Large version					
	SM Starbeam Plus	197 197W	A2 Area	3 3000K	S SmartScan External
		215 215W	A5 Flood	4 4000K	L Non-dimming
		276 276W			P Photocell

E.g. WSM031A23S

W SmartScan Emergency	SM Starbeam Plus	031 31W	A2 Area	3 3000K	S SmartScan External
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♦ Optional, leave blank if emergency is not required

* Only available with S Control Type on 31W, 62W & 88W versions

** Not available with S Control Type on 31W, 62W & 88W versions

ACCESSORIES

DESCRIPTION	CAT. No.	APPROX. kg
Rear shield - universal	SB 20165	0.4
Front shield - small version	SB 20162	0.2
Side shield - small version	SB 20163	0.2
Front shield - large version	SB 20328	0.4
Side shield - large version	SB 20329	0.4

WEIGHTS

VERSION	APPROX. kg	SMARTSCAN
Small	13.0	Add 0.2kg to weight listed.
Large	14.2	SMARTSCAN EMERGENCY Add 0.6kg to weight listed.
		STANDARD EMERGENCY Add 0.4kg to weight listed.

COLUMN ACCESSORIES

See page 5





Small version

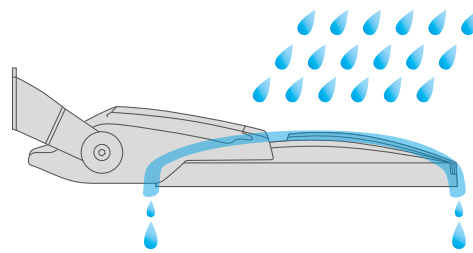
LED AREA FLOODLIGHTS

IP66 IP65 SMARTSCAN VERSION IK08 UK CA CE LED

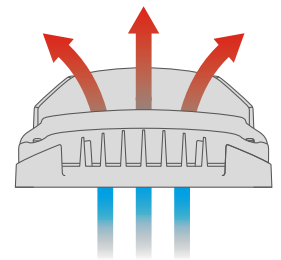
WINDAGE - small: 0.05m² large: 0.06m²

SPECIFICATION

- LM6 high pressure die-cast aluminium body, gear compartment and gear compartment lid finished polyester silver RAL9006
- Clear toughened/safety glass cover
- Two optical distributions
- Integral high efficiency driver
- Extremely efficient and long system life up to 100,000 hours
- SmartScan External versions with intelligent lighting control for use up to 8 metres mounting height
- SmartScan wireless technology removes the need for control cabling. Ideal for retro-fit
- Wide range of mounting options (see page 5 for details)
- Photocell option
- Fitted with 3000K or 4000K LEDs
- Warmer colour temperatures available to special order



1. "Free draining" curved heat sink eliminates ponding of fluids



2. Heat dissipation fins combined with air flow between heat sink and gear compartment extends control gear lifetime

Zero Upward Light

Help reduce light pollution and protect the night sky by selecting zero upward light luminaires

LED CHARACTERISTICS

CRI	70+
COLOUR TEMPERATURE	3000K/4000K
RATED LIFE (HOURS)	100K - L90/B10
PROTECTION	LED PROTECT
DRIVER EFFICIENCY	>90%
REPLACEABLE	YES
POWER FACTOR	>0.9

LL/CW **141.0**

For LED characteristics explanation see www.thorlux.com/led-guide



SmartScan External version

SmartScan Configurations



Find out more at www.thorlux.com/smartsan

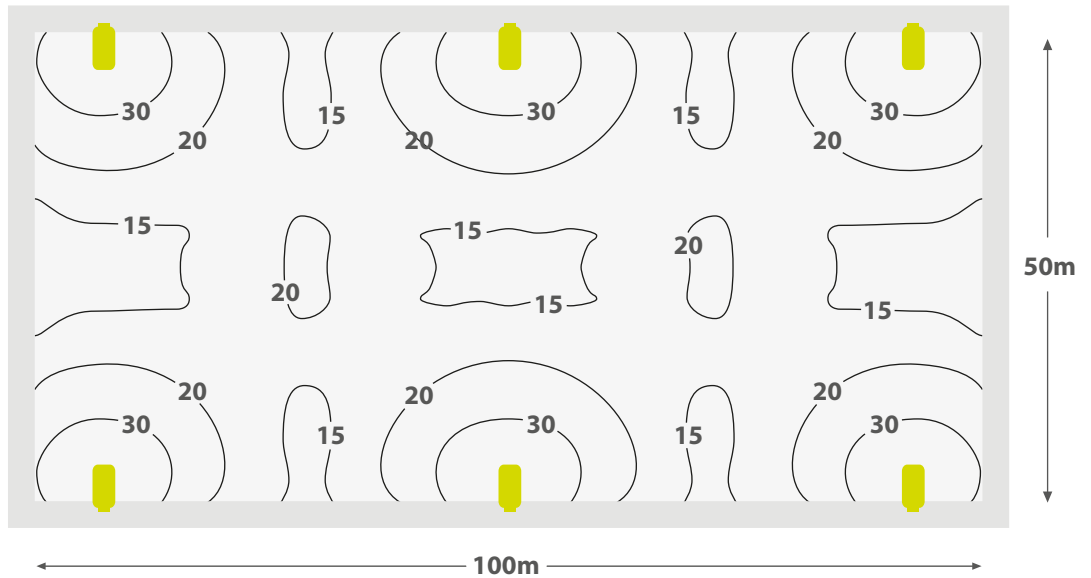
STARBEAM PLUS

TYPICAL SPACING GUIDE

AREA DISTRIBUTION

276W 4000k LED / 10m mounting height / 42 x 50m spacing - Average illuminance = 21 lux / Uniformity = 0.62

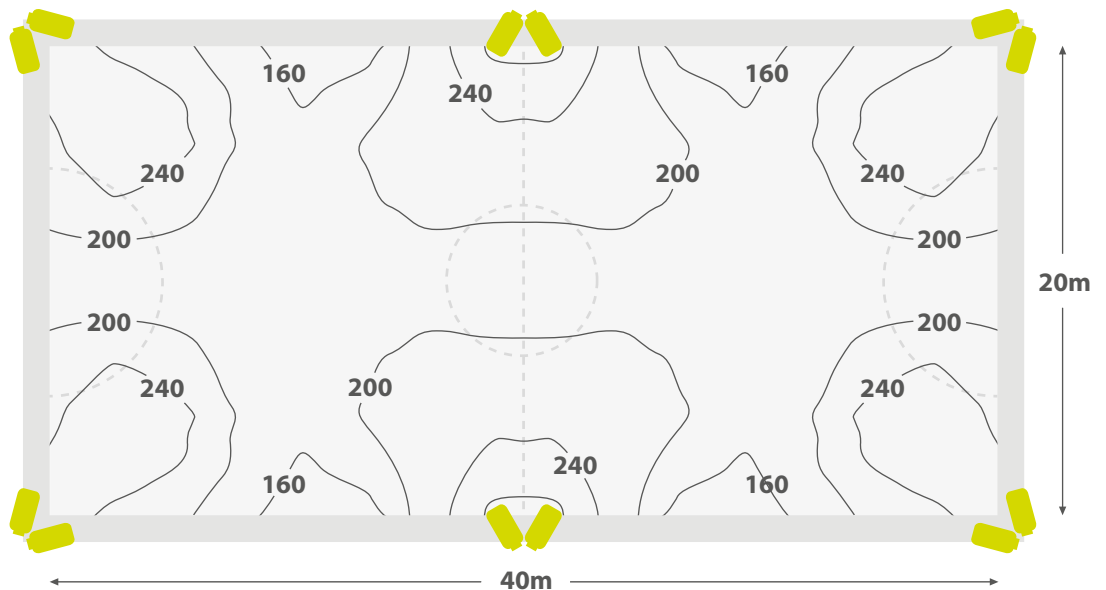
Provides higher uniformity in large open spaces or luminaires can be positioned further apart, area distribution offers excellent performance.



FLOOD DISTRIBUTION

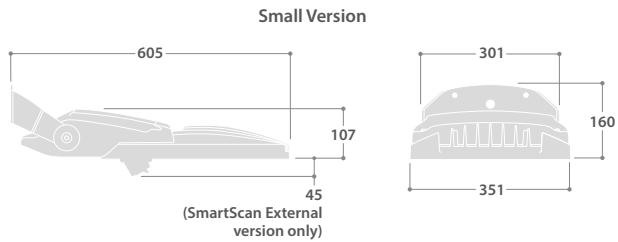
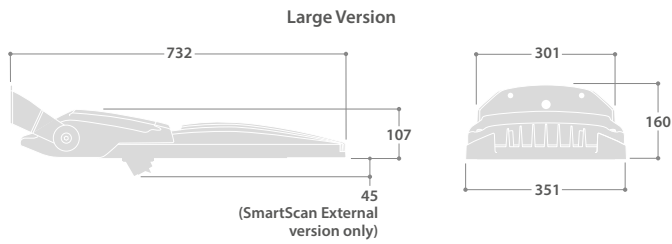
276W 4000K LED / 8m mounting height / 22 x 24m spacing - Average illuminance = 207 lux / Uniformity = 0.64

Provides a narrower and more intense distribution, suited to applications where higher light levels are required and lower uniformity is acceptable. It is particularly suitable for sports facilities.

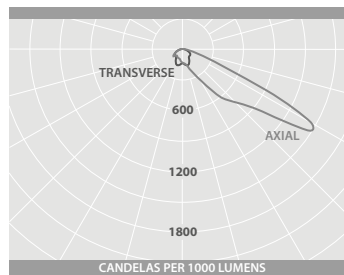
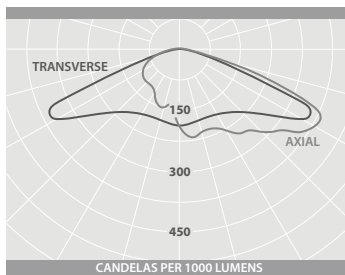


STARBEAM PLUS

DIMENSIONS



PHOTOMETRIC GUIDE



AREA DISTRIBUTION

Luminaire Lumen Output:

3000K	4000K
31W = 3810lm	31W = 4520lm
62W = 7495lm	62W = 8895lm
88W = 10860lm	88W = 12890lm
123W = 14790lm	123W = 17550lm
161W = 18085lm	161W = 21460lm
197W = 23465lm	197W = 27845lm
215W = 25245lm	215W = 29955lm
276W = 30645lm	276W = 36365lm

FLOOD DISTRIBUTION

Luminaire Lumen Output:

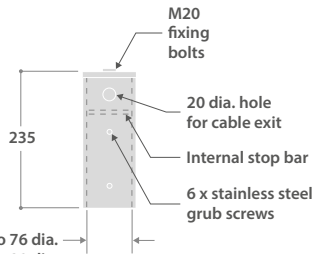
3000K	4000K
31W = 3975lm	31W = 4715lm
62W = 7755lm	62W = 9200lm
88W = 11165lm	88W = 13250lm
123W = 15380lm	123W = 18250lm
161W = 18900lm	161W = 22425lm
197W = 24285lm	197W = 28820lm
220W = 26270lm	215W = 31175lm
285W = 31445lm	276W = 37315lm



STARBEAM PLUS

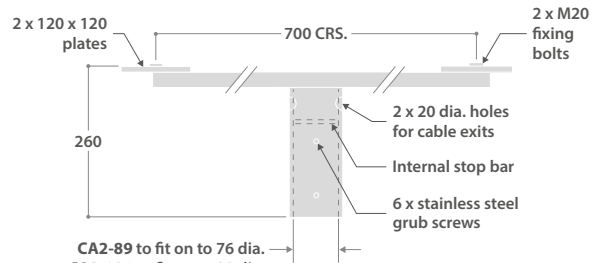
COLUMN MOUNTING OPTIONS

Single Floodlight Mounting Pot



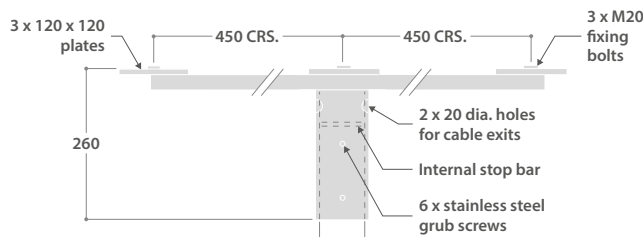
POT-89R to fit on to 76 dia.
 POT-101R to fit on to 89 dia.
 POT-114 to fit on to 101 dia.
 POT-127 to fit on to 114 dia.
 POT-140 to fit on to 127 dia.

Twin Floodlight Mounting Crossarm CA2 versions



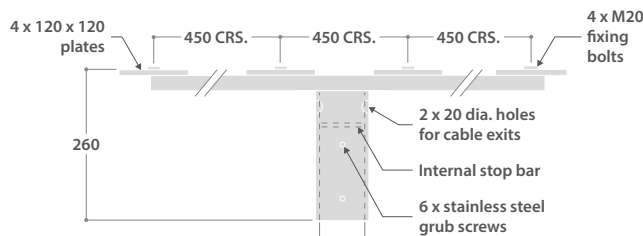
CA2-89 to fit on to 76 dia.
 CA2-101 to fit on to 89 dia.
 CA2-114 to fit on to 101 dia.
 CA2-127 to fit on to 114 dia.
 CA2-140 to fit on to 127 dia.

Triple Floodlight Mounting Crossarm CA3 versions



CA3-89 to fit on to 76 dia.
 CA3-101 to fit on to 89 dia.
 CA3-114 to fit on to 101 dia.
 CA3-127 to fit on to 114 dia.
 CA3-140 to fit on to 127 dia.

Quad Floodlight Mounting Crossarm CA4 versions



CA4-89 to fit on to 76 dia.
 CA4-101 to fit on to 89 dia.
 CA4-114 to fit on to 101 dia.
 CA4-127 to fit on to 114 dia.
 CA4-140 to fit on to 127 dia.

For further mounting and bracket options please contact our Technical Department

STARBEAM PLUS COLUMNS

COLUMNS SPECIFICATION

- Stepped tubular galvanised steel columns, to BS EN 40-2:2004
- Mounting accessories are hot dip galvanised to BS EN ISO 1461:2009
- Supplied with wooden baseboard for mounting cable connection accessories
- Accessories are easily fixed with stainless steel grub screws and have an internal stop to ensure cable exit

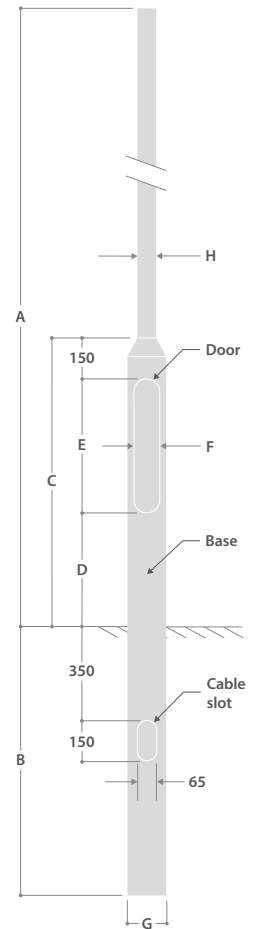
UK DELIVERY

Columns are delivered to site at a pre-arranged time. An off-loading service is not included and it is the responsibility of the client (or client's agent) for the safe undertaking of this requirement. A fork lift truck is recommended to minimise manual handling.

COLUMN RANGE

NOMINAL HEIGHT	CAT. No.	PLANTING DEPTH	BASE HEIGHT	DOOR HEIGHT	DOOR DIMENSIONS		BASE DIAMETER	SHAFT DIAMETER	APPROX. kg	BASEBOARD SIZE
A		B	C	D	E	F	G	H		
Single and Twin Starbeam Plus Standard Columns										
4m	FC4	800	925	300	500	100	140	76	33	89 (w) x 500 (h)
5m	FC5	800	925	300	500	100	140	76	40	89 (w) x 500 (h)
6m	FC6	1000	925	300	500	100	140	76	44	89 (w) x 500 (h)
8m	FC8	1200	1200	400	600	115	168	114 ■	100	89 (w) x 600 (h)
10m	FC10	1500	1300	500	600	115	168	114 ■	142	89 (w) x 600 (h)
Triple and Quad Starbeam Plus Medium Duty Columns										
4m	FC4/89	800	1280	300	600	115	168	89	60	89 (w) x 500 (h)
5m	FC5/89	800	1280	300	600	115	168	89	64	89 (w) x 500 (h)
6m	FC6/89	1000	1280	300	600	115	168	89	68	89 (w) x 500 (h)
8m	FC8	1200	1200	400	600	115	168	114 ■	100	89 (w) x 600 (h)
10m	FC10	1500	1300	500	600	115	168	114 ■	142	89 (w) x 600 (h)

■ Reduced at top to 101mm to accept accessories



ORDERING INFORMATION

Mounting Height	SINGLE FLOODLIGHT MOUNTING POT	TWIN FLOODLIGHT MOUNTING CROSSARM	TRIPLE FLOODLIGHT MOUNTING CROSSARM	QUAD FLOODLIGHT MOUNTING CROSSARM
	Column Adaptor	Column Bracket	Column Bracket	Column Bracket
4m	FC4 POT 89R	FC4 CA2-89	FC4/89 CA3-101	FC4/89 CA4-101
5m	FC5 POT 89R	FC5 CA2-89	FC5/89 CA3-101	FC5/89 CA4-101
6m	FC6 POT 89R	FC6 CA2-89	FC6/89 CA3-101	FC6/89 CA4-101
8m	FC8 POT 114	FC8 CA2-114	FC8 CA3-114	FC8 CA4-114
10m	FC10 POT 114	FC10 CA2-114	FC10 CA3-114	FC10 CA4-114