

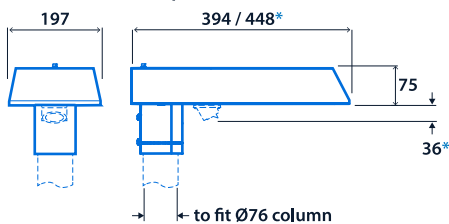
ACORN



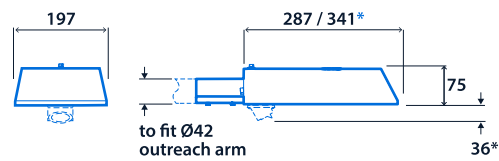
DIMENSIONS

9W / 27W versions

Vertical column top

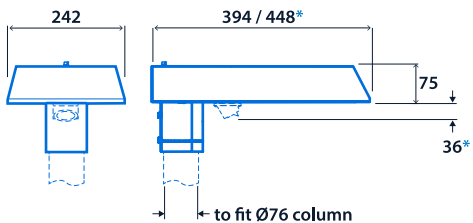


Horizontal outreach arm

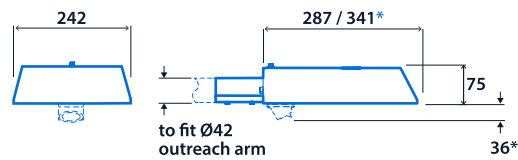


55W versions

Vertical column top

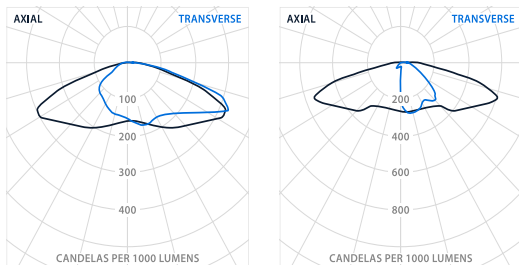


Horizontal outreach arm



*SmartScan External version only

PHOTOMETRIC GUIDE



AREA DISTRIBUTION 2700K

Luminaire Lumen Output:
9W = 1825
27W = 5000
55W = 10055

4000K

Luminaire Lumen Output:
9W = 1990
27W = 5450
55W = 10965

ROADWAY DISTRIBUTION 2700K

Luminaire Lumen Output:
9W = 1740
27W = 4775
55W = 9600

4000K

Luminaire Lumen Output:
9W = 1900
27W = 5205
55W = 10470

ACCESSORIES

DESCRIPTION

- Acorn front or rear baffle (9W and 27W)
- Acorn front or rear baffle (55W)
- Acorn side baffle – SmartScan versions only
- Acorn side baffle – non-SmartScan versions only

CAT. No.

- AC 20646
- AC 20647
- AC 20648
- AC 20649

Horizontal outreach arm



Vertical column top





Certified by DarkSky.org

DarkSky approved (2700K versions at 0° tilt only)



SmartScan versions

HIGHLY SUSTAINABLE EXTERIOR FLOOD LIGHT

IP66 IP65 SMART VERSION IK07 UK CA CE LED

WINDAGE - 0.021m² SmartScan: 0.035m²

SPECIFICATION

- Programme for the Endorsement of Forest Certification (PEFC) certified European oak body
- 100% industrial recycled polycarbonate gear enclosure
- >90% recycled aluminium gear tray and mounting brackets with raw finish
- Industry leading TM66 score of 3.1 - LIA/CIBSE certification scheme TSD-012 verified
- DarkSky approved (2700K versions at 0° tilt only)
- High-efficiency sealed acrylic lenses
- Area or roadway optical distributions
- Integral high-efficiency driver
- Extremely efficient and long system life up to 100,000 hours
- Smart 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 retrofit
- Fitted with 6m lead
- Column top 76mm as standard
- Outreach arm 42mm as standard
- Wall mounting bracket accessory
- Wide range of mounting options
- Photocell option
- Fitted with 2700K or 4000K LEDs (other colour temperatures available to special order)

CONFIGURATOR

PRODUCT CODE	WATTAGE	MOUNTING	DISTRIBUTION	COLOUR TEMPERATURE	CONTROL TYPE
AC Acorn	09 09W	V Vertical 76mm column top	A2 Area	2 2700K	S SmartScan
	27 27W	H Horizontal 42mm outreach arm	R5 Roadway	4 4000K	L Non-dimming
	55 55W				P Photocell

E.g. AC09VA22S

AC Acorn	09 09W	V Vertical 76mm column top	A2 Area	2 2700K	S SmartScan
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LED CHARACTERISTICS

CRI	70+
COLOUR TEMPERATURE	2700K
RATED LIFE (HOURS)	100K - L90/B10
PROTECTION	-
DRIVER EFFICIENCY	>85%
REPLACEABLE	YES
POWER FACTOR	>0.9

LL/CW **167.6**

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

LED CHARACTERISTICS

CRI	70+
COLOUR TEMPERATURE	4000K
RATED LIFE (HOURS)	100K - L90/B10
PROTECTION	-
DRIVER EFFICIENCY	>85%
REPLACEABLE	YES
POWER FACTOR	>0.9

LL/CW **182.8**

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

SmartScan Configurations



Find out more at www.thorlux.com/smartsan

WEIGHTS

WATTAGE	APPROX. kg
9W / 27W	2.5
55W	4.2

SMARTSCAN

Add 0.6kg to weight listed

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

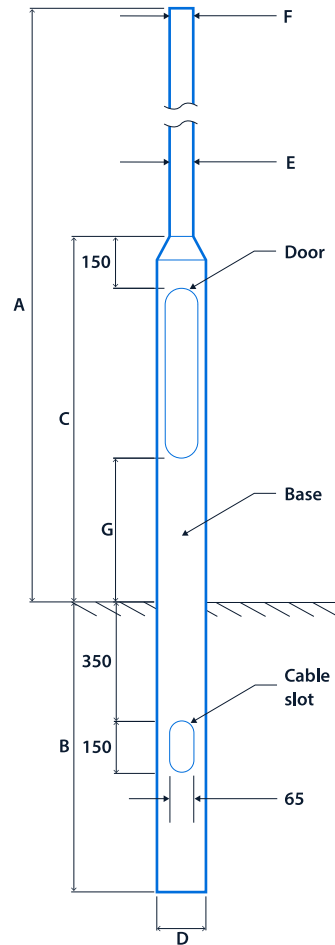
UK Delivery

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.

Non-standard columns

The following additional options are available on request:

- **3 and 4 way crossarms** - please ask us to confirm column suitability regarding head weight and windage.
- **Tubular steel columns with additional T-wash and matt black primer paint finish** - specify using suffix **PR** after column reference e.g. **FC5/PR/POT-89R**.
- **Flange plate mounted columns** - specify using suffix **FL** after column reference e.g. **FC5/FL/POT-89R**.
- **Mid/base hinged columns** - contact our Technical Department for further information



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 luminaire column										
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)
12m	FC12/101	1700	1800	1000	600	115	192	140 ■	226	89 (w) x 600 (h)

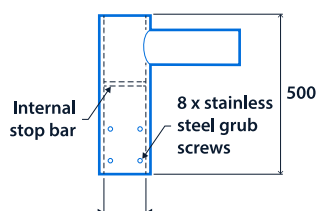
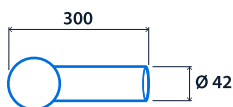
▲ Reduced at top to 89mm ■ Reduced at top to 101mm

Ordering information

	SINGLE COLUMN MOUNT	SINGLE OUTREACH ARM	TWIN OUTREACH ARM 180°	TWIN OUTREACH ARM 90°
				
Mounting Height	Column Adaptor	Column Bracket	Column Bracket	Column Bracket
4m	FC4	FC4 AC 20630	FC4 AC 20635	FC4 AC 20640
5m	FC5	FC5 AC 20630	FC5 AC 20635	FC5 AC 20640
6m	FC6	FC6 AC 20630	FC6 AC 20635	FC6 AC 20640
8m	FC8 POT 101-76	FC8 AC 20632	FC8 AC 20637	FC8 AC 20642
10m	FC10 POT 101-76	FC10 AC 20632	FC10 AC 20637	FC10 AC 20642

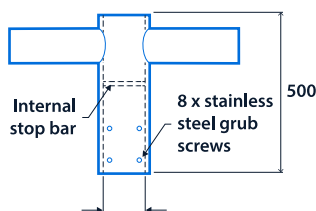
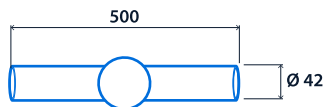
Column accessories

Single outreach arm



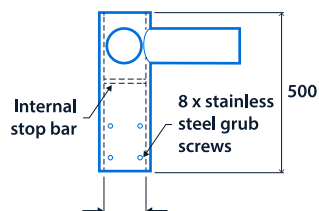
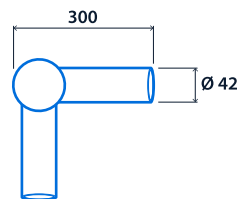
AC20630 to fit on to Ø 76
AC20631 to fit on to Ø 89
AC20632 to fit on to Ø 101
AC20633 to fit on to Ø 114

Twin outreach arm 180°



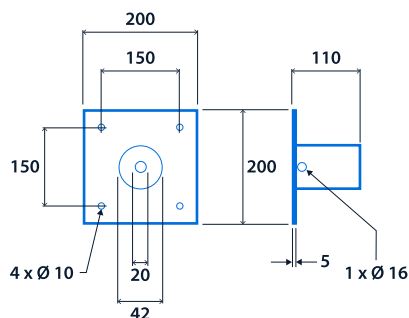
AC20635 to fit on to Ø 76
AC20636 to fit on to Ø 89
AC20637 to fit on to Ø 101
AC20638 to fit on to Ø 114

Twin outreach arm 90°

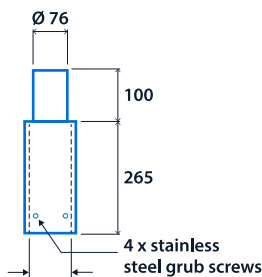


AC20640 to fit on to Ø 76
AC20641 to fit on to Ø 89
AC20642 to fit on to Ø 101
AC20643 to fit on to Ø 114

Wall mounting bracket AC 20644



Column adaptors



POT89-76 to fit on to Ø 89
POT101-76 to fit on to Ø 101
POT114-76 to fit on to Ø 114