

## Highly sustainable exterior floodlight

Acorn has been engineered to redefine the benchmarks of sustainability. Crafted with a commitment to environmental responsibility, each component has been carefully selected to ensure minimal ecological impact throughout its lifecycle.

The IP66 housing is manufactured from European oak, 100% post-industrial recycled polycarbonate gear enclosure and 90% recycled aluminium gear tray and mounting bracket. Highly efficient driver and PMMA lenses ensure low running costs and low operational carbon.

Acorn has achieved an industry-leading TM66 score of 3.1 which has been verified as the highest published score of any luminaire under the LIA/CIBSE certification scheme TSD-012 to date.

Acorn is also Darksky approved due to its zero upward light and 2700 K colour temperature. In combination with the SmartScan External control system the impact on its immediate environment once installed can also be kept to the absolute minimum.

Applications: car parks, amenity areas, hospital estates, general roadway

- Programme for the Endorsement of Forest Certification (PEFC) certified European oak body
- Industry leading TM66 score of 3.1 - LIA/CIBSE certification scheme TSD-012 verified
- DarkSky approved (2700 K versions at 0° tilt only)
- Integral high-efficiency driver
- Extremely efficient and long system life up to 100,000 hours
- Wide range of mounting options
- Photocell option
- SmartScan wireless technology removes the need for control cabling. Ideal for retrofit

Notes: Other colour temperatures available to special order



Up to IP66   IK07   Up to 182.8 LL/CW   SMARTSCAN   TM66 circularity score 3.1

### Specification

|               |        |                               |            |
|---------------|--------|-------------------------------|------------|
| Mounting      | Column | IP rating                     | Up to IP66 |
| Impact rating | IK07   | Max presence detection height | 8 m        |

### Sustainability

|                        |     |
|------------------------|-----|
| TM66 circularity score | 3.1 |
|------------------------|-----|

### Lighting

|              |                      |          |                   |
|--------------|----------------------|----------|-------------------|
| Lumen output | 1,740 lm - 10,965 lm | Efficacy | Up to 182.8 LL/CW |
|--------------|----------------------|----------|-------------------|

**Power**

|           |            |               |             |
|-----------|------------|---------------|-------------|
| LED power | 9 W - 55 W | Circuit power | 11 W - 60 W |
|-----------|------------|---------------|-------------|

**LED characteristics**

|                    |                 |                    |                  |
|--------------------|-----------------|--------------------|------------------|
| CRI                | 70+             | Colour temperature | 2700 K<br>4000 K |
| Rated life (hours) | 100 K - L90/B10 |                    |                  |

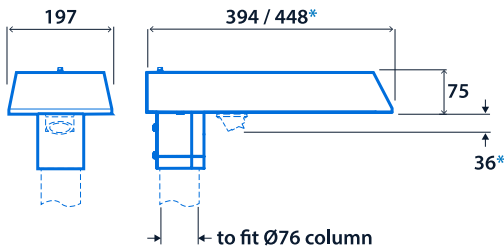
**Compliance**

|      |     |    |     |
|------|-----|----|-----|
| UKCA | Yes | CE | Yes |
|------|-----|----|-----|

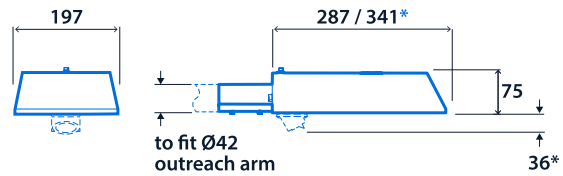
**Dimensions**

**9W / 27W versions**

**Vertical pole top**

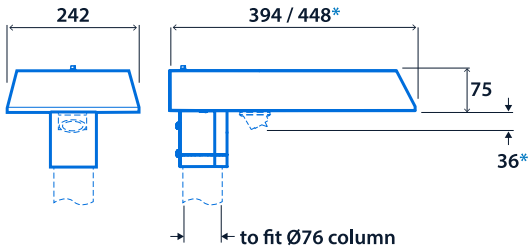


**Horizontal outreach arm**

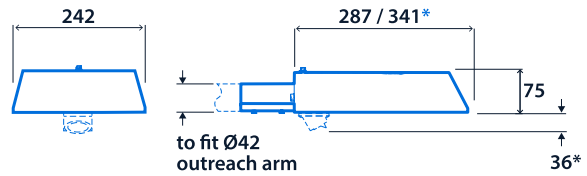


**55W versions**

**Vertical pole top**



**Horizontal outreach arm**



\*SmartScan External version only



**Click or scan here**  
View Acorn variants using our  
online filtering tool



Information is correct as of 29 Dec 2024, 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.