

## 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

## Lighting management

|                         |   |
|-------------------------|---|
| Lighting control system | <b>Non-dimming</b><br>Photocell (non-dimming)<br>SmartScan External |
|-------------------------|---|

## Specification

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

### 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

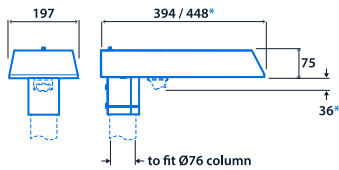
CRI 70+ Colour temperature 2700 K  
4000 K  
Rated life (hours) 100 K - L90/B10

### Compliance

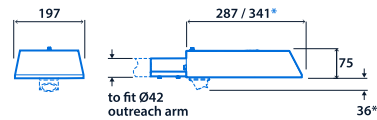
UKCA Yes CE Yes  
SmartScan wireless standards compliance Europe: EN 300 220-1 V2.4.1/ EN 301 489-3 V1.6.1. Australasia: ACMA 2014 Radio Communication Standard 2014. Thorlux Patented Wireless Technology - GB2575724

### Dimensions

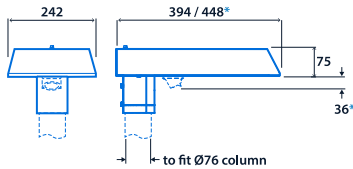
9W / 27W versions  
Vertical pole top



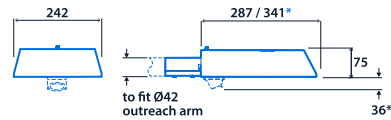
Horizontal outreach arm



55W versions  
Vertical pole top



Horizontal outreach arm



\*SmartScan External version only



View the  
range



Information is correct as of 16 Oct 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.