

## 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
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### Lighting

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

LED power	9 W - 55 W	Circuit power	11 W - 60 W
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**LED characteristics**

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

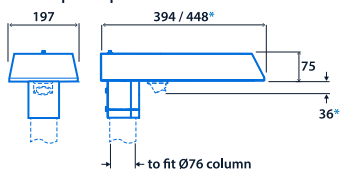
**Compliance**

SmartScan wireless standards compliance

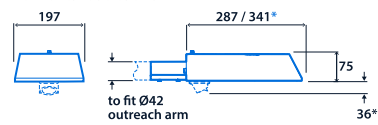
Europe: EN 300 220-1 V2.4.1/ EN 301 489-3 V1.6.1. Australasia: ACMA 2014 Radio Communication Standard 2014. Thorlux Patented Wireless Technology - GB2575724

**Dimensions**

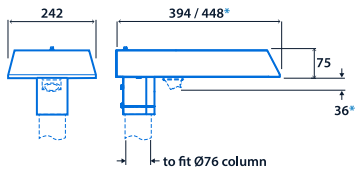
9W / 27W versions  
Vertical pole top



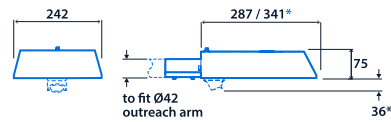
Horizontal outreach arm



55W versions  
Vertical pole top



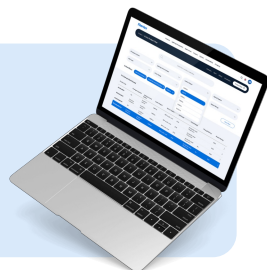
Horizontal outreach arm



\*SmartScan External version only



View the range



Information is correct as of 21 Nov 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.