

Acorn is an outdoor post-mounted floodlight that combines innovative technology and environmentally conscious design and materials that shows a commitment to sustainability at the forefront of the industry. The housing is made of European oak with a 100% post-industrial recycled polycarbonate gear enclosure, a super-efficient driver, a gear tray made from 90% recycled aluminum components, and highly efficient PMMA lens. Dark Sky International approved with zero upward light (2700K version at 0° tilt only).

TECHNICAL DATA

Wattage	9W, 27W, 55W
Power Supply	Integral 120-277VAC
Construction	Body: Oak Wood Gear Enclosure: Recycled Polycarbonate Gear Tray: 90% Recycled Aluminum Mounting Bracket: 90% Recycled Aluminum Lens: PMMA (Acrylic)
CCT	2700K, 4000K
CRI	>70
BUG Rating	B1-U0-G1 (9W, 2700K, Area / Road Dist.) B1-U0-G2 (27W, 2700K, Area Dist.) B2-U0-G2 (27W Road, 55W Area, 2700K) B3-U0-G3 (55W 2700K Road Dist.)
Delivered Lumens	5450 lm (27W, 4000K, Area Dist.) 5205 lm (27W, 4000K, Roadway Dist.)
Efficacy	201.9 lm/W (27W, 4000K, Area Dist.) 192.8 lm/W (27W, 4000K, Roadway Dist.)
Optics	Area Distribution, Roadway Distribution
Finishes	Tubular Steel (non standard finishes available)
Lumen Maintenance	100,000 hrs L90, B10
Fixture Dimensions	17.64" l x 7.76" w (9W/27W) or 9.53" w (55W) x 2.95" h (Vertical Column Top) 13.43" l x 7.76" w (9W/27W) or 9.53" w (55W) x 2.95" h (Horizontal Outreach Arm) Columns - Nominal Height 13.12" - 39.37"
Fixture Weight	5.5 lbs (9W / 27W), 9.3 lbs (55W) SmartScan add 1.3 lbs
IP Rating	IP66, IP65 Smart Version
Impact Resistance	IK07



HORIZONTAL OUTREACH ARM



VERTICAL COLUMN TOP

Fixture Dimensions - see page 2

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.

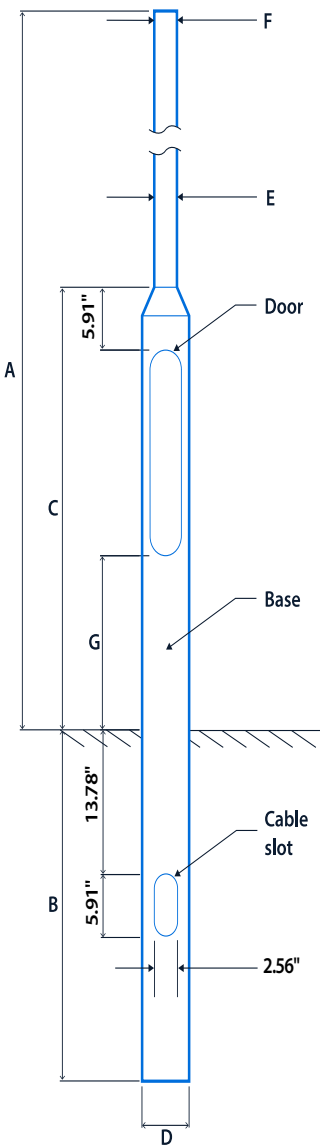
ORDERING INFORMATION - Example: AC.09.V.A2.2.L.US.

						US
Model No.	Wattage	Mounting	CCT	Optics	Dimming	
AC - Acorn	09 - 9W 27 - 27W 55 - 55W	V - Vertical 2.99" column top H - Horizontal 1.65" outreach arms	2 - 2700K 4 - 4000K	A2 - Area R5 - Roadway	P - Photocell L - Non-Dimming S - SmartScan	US

Job Name/Date:

Fixture Type Designation:

FIXTURE DIMENSIONS - COLUMN



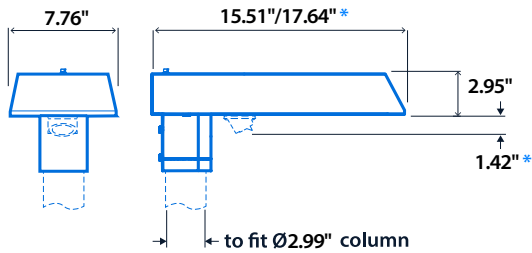
Acorn Column
 See Table for varying dimensions.

Nominal Height A	CAT. No.	Planting Depth B	Base Height C	Door Height D	Door Dimensions		Base Diameter G	Shaft Diameter H	Approx. lbs	Baseboard Size
13.12'	FC4	31.50"	36.42"	11.81"	19.69"	3.94"	5.51"	2.99"	72.75	3.50" (w) x 19.69" (h)
16.40'	FC5	31.50"	36.42"	11.81"	19.69"	3.94"	5.51"	2.99"	88.18	3.50" (w) x 19.69" (h)
19.69'	FC6	39.37"	36.42"	11.81"	19.69"	3.94"	5.51"	2.99"	97.00	3.50" (w) x 19.69" (h)
26.25'	FC8	47.24"	47.24"	15.75"	23.62"	4.53"	6.61"	4.49"	220.46	3.50" (w) x 23.62" (h)
32.81'	FC10	59.06"	51.18"	19.69"	23.62"	4.53"	6.61"	4.49"	313.06	3.50" (w) x 23.62" (h)
39.37'	FC12/101	66.93"	70.87"	39.37"	23.62"	4.53"	7.56"	5.51"	498.24	3.50" (w) x 23.62" (h)

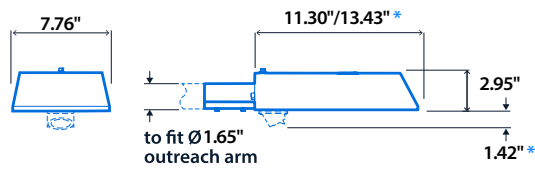
Job Name/Date:

Fixture Type Designation:

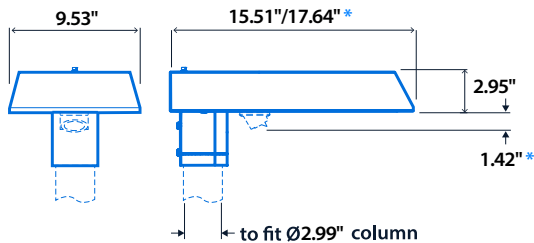
FIXTURE DIMENSIONS



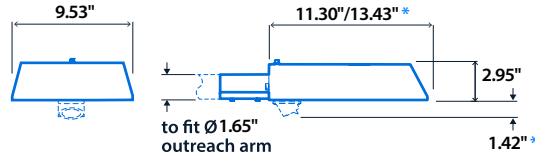
Vertical Column Top
9W / 27W Versions



Horizontal Outreach Arm
9W / 27W Versions

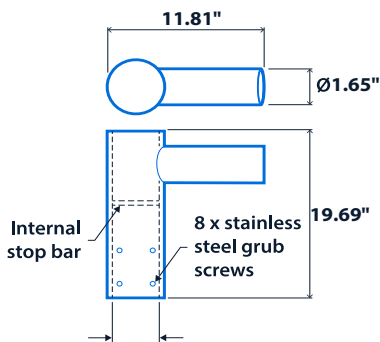


Vertical Column Top
55W Versions



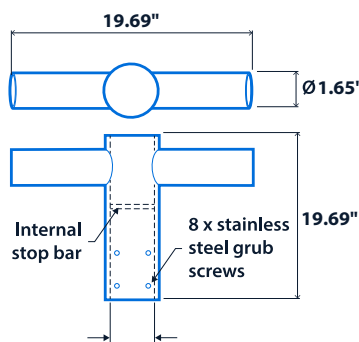
Horizontal Outreach Arm
55W Versions

COLUMN ACCESSORIES (continued on page 4)



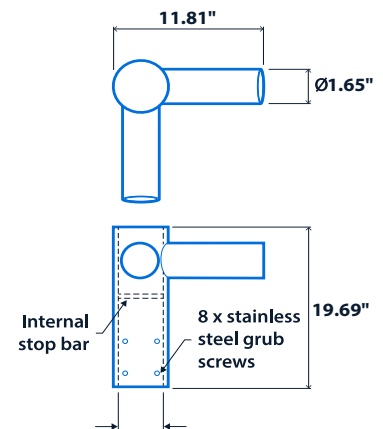
AC20630 to fit on to Ø2.99"
AC20631 to fit on to Ø3.50"
AC20632 to fit on to Ø3.98"
AC20633 to fit on to Ø4.49"

Single Outreach Arm



AC20635 to fit on to Ø2.99"
AC20636 to fit on to Ø3.50"
AC20637 to fit on to Ø3.98"
AC20638 to fit on to Ø4.49"

Twin Outreach Arm 180°



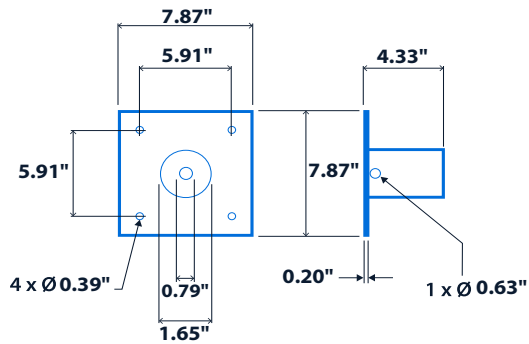
AC20640 to fit on to Ø2.99"
AC20641 to fit on to Ø3.50"
AC20642 to fit on to Ø3.98"
AC20643 to fit on to Ø4.49"

Twin Outreach Arm 90°

Job Name/Date:

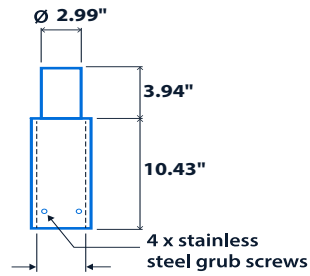
Fixture Type Designation:

COLUMN ACCESSORIES (continued from page 3)



AC20644

Wall Mounting Bracket

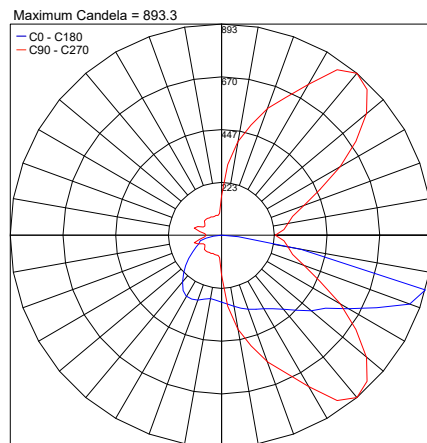


POT89-76 to fit on to Ø 3.50"
POT101-76 to fit on to Ø 3.98"
POT114-76 to fit on to Ø 4.49"

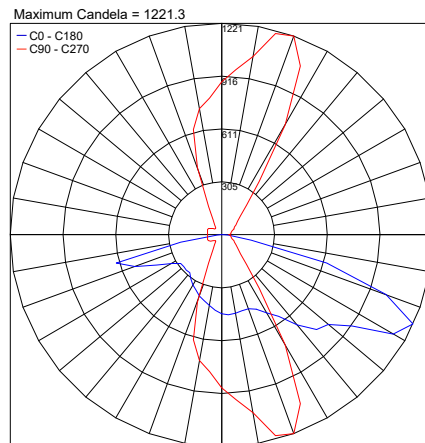
Column Adaptors

PHOTOMETRIC DATA

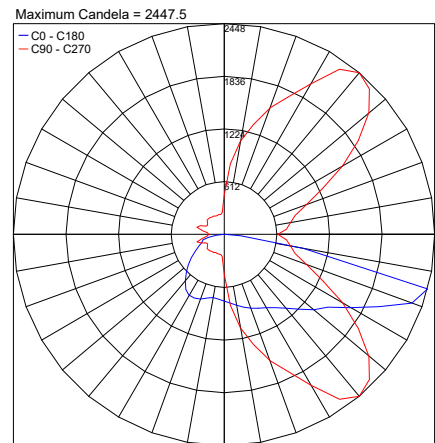
Note all Photometry is 2700K



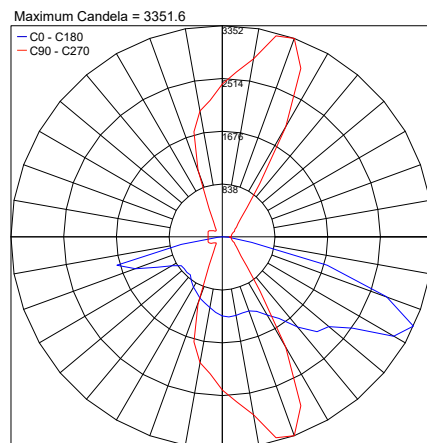
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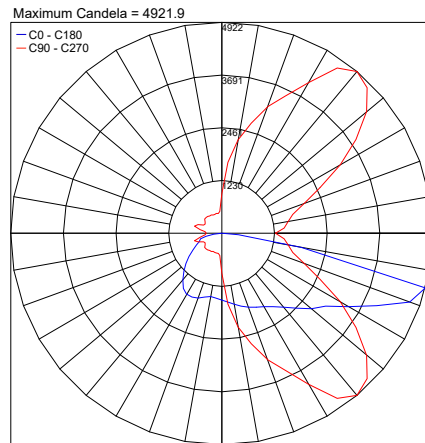
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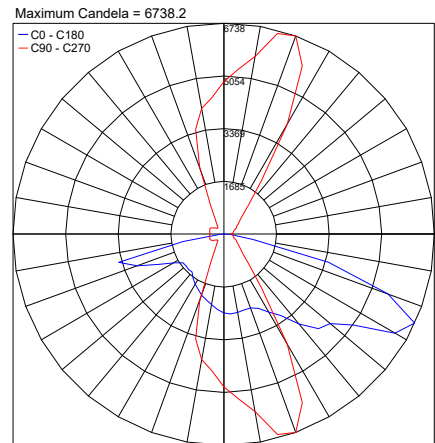
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PHOTOMETRIC FILENAME : ACORN 27W HORZ 27K ROAD - AC27H2R5.IES



PHOTOMETRIC FILENAME : ACORN 55W HORZ 27K AREA - AC55H2A2.IES



PHOTOMETRIC FILENAME : ACORN 55W HORZ 27K ROAD - AC55H2R5.IES

Job Name/Date:

Fixture Type Designation: