Alcott Area Light
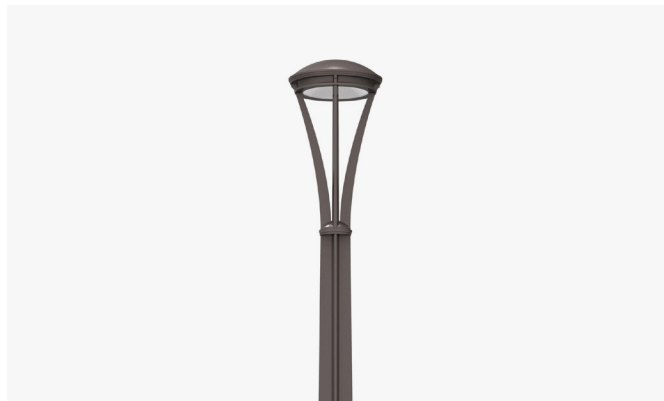
Specification Sheet | AC100

The Alcott area light offers a modern take on the classic lamppost. Its gracefully curved post supports a domed, energy-efficient LED luminaire with a durable thermoformed lens. Featuring proprietary visual comfort optics that aims individual optics to deliver precise illumination. Alcott is Buy America Compliant and International Dark-Sky Approved.

Housing & Materials

Cast and extruded aluminum construction, welded ground and finished for seamless transition. Factory sealed and replaceable machined aluminum LED cartridge with UV stable, impact modified diffused acrylic lens. All hardware is magni-coated for optimum corrosion and 'anti-seize' protection. Assembly is IP66 rated.

Electrical

Surge protected 120V - 277V 50/60Hz electronic driver mounted within integrated cast aluminum base cabinet. 0-10V dimming. -40°C start temperature. Alcott ships prewired and fully assembled.
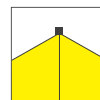
Light Engine

Alcott features a replaceable LED cartridge with die-cast aluminum heatsink, high power LEDs on a RoHS compliant circuit board, and secondary optics. All cofigurations are available in 2700K, 3000K, 3500K, and 4000K. >80CRI across all available color temperatures. Luminiares meet or exceed TM21 L70: >60,000 hrs.

Distributions
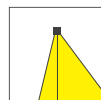
TIII   TV

Warranty

LED lighting products are warranted for six years.

Certification

UL Listed for Wet Location, CE, International Dark Sky Approved, RoHS Compliant

Designed by Robert A.M. Stern Architects
Click here for patent information related to this product.

Alcott Area Light

Specification Sheet | AC100

Specification

Luminaire

Luminaire

Product	Height	LED Configuration	Light Engine Power	Color Temp	Input Voltage	Powdercoat
AC101 (Alcott)	**12** (12' Height) **14** (14' Height) **16** (16' Height)	**48** (48 LED, Type 3) **96** (96 LED, Type 5)	**SO** (Standard Output)	**27K** (2700K **30K** (3000K) **35K** (3500K) **40K** (4000K)	**UV1** (100-277VAC)	**See powdercoat color options on the Material / Colors Sheet.**

Example: AC101 – 14 – 48 – SO – 30K – UV1 – MBK

Pole Modifications

Part Number	Modification	Description
CAM	Camera	
SPE	Speaker	
WAP	WiFi Access Point	
BAN	Banner Arms	
VIB	Vibration Dampener	
CPH	Custom Pole Height	
CLH	Custom Lens Height	
CPC	Custom Powdercoat Color	
--	Other	

Modifications listed are the most common changes/additions requested. If your requirements aren't shown here, select 'other' and write in the modification needed. Please provide as much detail as possible to streamline the quoting process. All modifications to standard products will require evaluation and quoting approved by Landscape Forms prior to order placement.
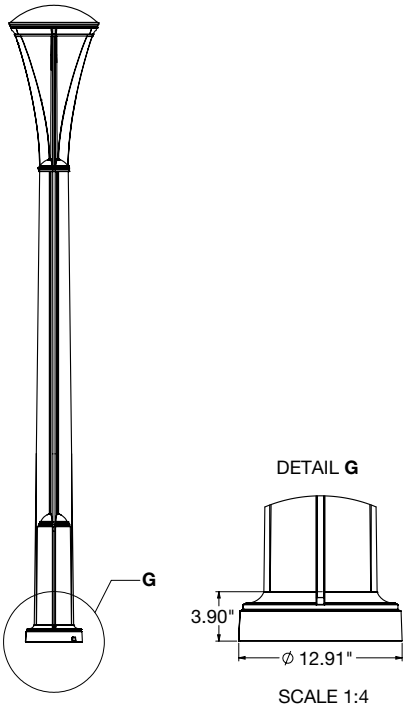
Alcott Area Light

Specification Sheet | AC100

AC100 Series Luminaire Dimensions, weights and EPA's

16 ft / 4.8 m

14 ft / 4.2 m

12 ft / 3.6 m

AC101-12
EPA: 12 ft²
179 lbs

AC101-14
EPA: 14 ft²
203 lbs

AC101-16
EPA: 16 ft²
220 lbs
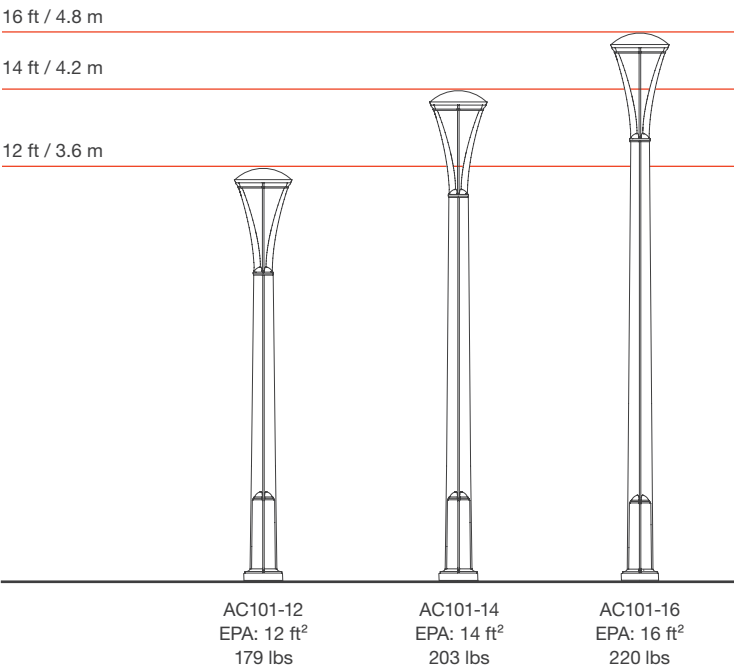
Pole & Base

Poles are manufactured from seamless aluminum alloy with a flush mounted, hand hole cover. Poles are pre-drilled to suit the specified mounting conditions prior to powdercoating. Pole base plate is cast aluminum, mounting template and anchor hardware included. Anchor bolts conform to ASTM F1554 Grade 55 and are provided with two hex nuts and two flat washers. Bolts have an "L" bend on one end and are galvanized a minimum of 12" on the threaded end.

G

DETAIL **G**

3.90"

∅ 12.91"

SCALE 1:4

Alcott Area Light

Specification Sheet | AC100

Wind Load Chart

| Part Number | Lens Height Description | Luminaire | | Max EPA (ft²) | | | | | Max Wind Speed (MPH) | | |
		Total Weight (lbs)	Total EPA (ft²)	90 MPH	100 MPH	110 MPH	120 MPH	130 MPH	Max Wind Speed (MPH)	Base Overturning (ft-lbf)	Base Shear (lbf)
AC101-12	12' Lens Height	166.00	13.5	23.53	17.08	12.31	8.68	5.85	140	6224	831.15
AC101-14	14' Lens Height	183.00	15.5	17.94	12.67	8.77	5.81	3.50	140	6224	817.43
AC101-16	16' Lens Height	200.00	18	12.70	8.25	4.96	2.45	0.50	133	6224	796.39

Generic weight adder for max EPA calcs: 50lbs
Default Wall thickness 0.188"

Alcott Area Light

Specification Sheet | AC100

Luminaire Performance Data

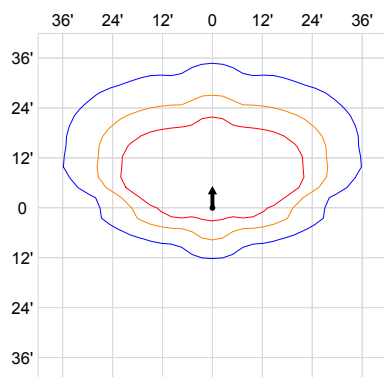| LED Quantity	Lens	Distribution Type	Lumen Output	Efficacy	Wattage	BUG Rating
48	Frosted	T3	2716	47	57	B0-U0-G1
96	Frosted	T5	5222	45	115	B3-U0-G1

Alcott Area Light

Specification Sheet | AC100

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100 Series - 48 LED lens at 12'
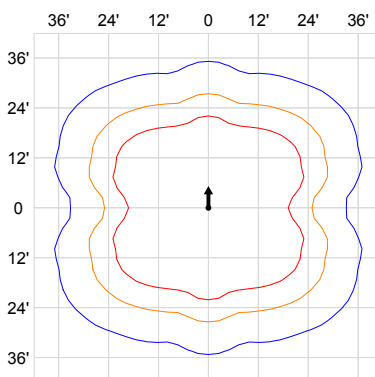
Performance light engine @ 3000K

12' Lens Height, Type III

100 Series - 96 LED lens at 12'
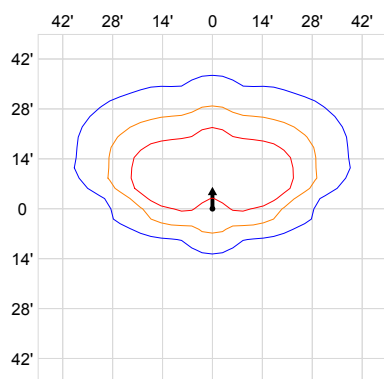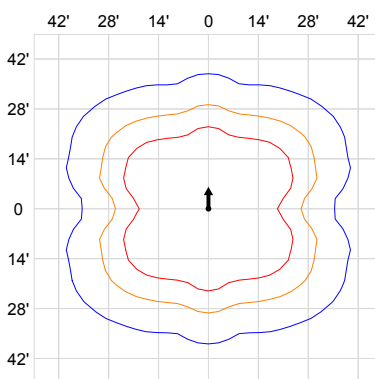
Performance light engine @ 3000K

12' Lens Height, Type V

■ **1.0fc** ■ **0.5fc** ■ **0.2fc**

100 Series - 48 LED lens at 14'

Performance light engine @ 3000K

14' Lens Height, Type III

100 Series - 96 LED lens at 14'

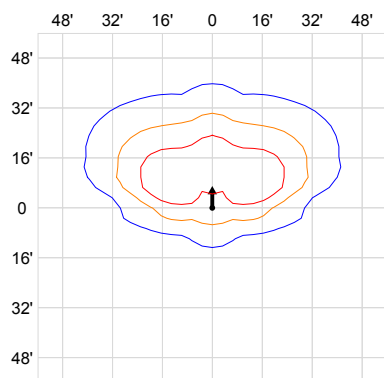Performance light engine @ 3000K

14' Lens Height, Type V

■ **1.0fc** ■ **0.5fc** ■ **0.2fc**

100 Series - 48 LED lens at 16'

Performance light engine @ 3000K

16' Lens Height, Type III

100 Series - 96 LED lens at 16'

Performance light engine @ 3000K

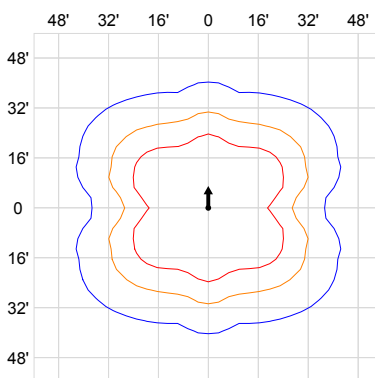16' Lens Height, Type V

■ **1.0fc** ■ **0.5fc** ■ **0.2fc**

Alcott Area Light

Specification Sheet | AC100

Architectural Series - Powdercoated Metal* (Fine Texture)

FOG (Fog)   OBD (Obsidian)   MBK (Matte Black)   TER (Terra)   NMG (Nutmeg)   ONX (Onyx)

SAG (Sage)   BLA (Blue Ash)   DSK (Dusk)

Neutral Series - Powdercoated Metal*

SIL (Silver Metallic)   MER (Mercury Metallic)   STL (Steel Metallic)   BRZ (Bronze Metallic)   TNM (Titanium Metallic)

BLK (Gloss Black)   WHT (Gloss White)

Vivid Series - Powdercoated Metal* (Fine Texture)

CLY (Clay)   LMN (Lemon)   MNG (Mango)   STG (Loll Sunset Orange)   CHL (Chili)   APR (Loll Apple Red)

LFG (Loll Leaf Green)   MSS (Moss)   FOR (Forest)   NVY (Loll Navy Blue)

Powdercoated Metal

Powdercoated Metal Pangard II® Polyester Powdercoat is a hard, yet flexible, finish that resists rusting, chipping, peeling and fading. In addition to colors shown, a wide selection of optional and custom colors may be specified for an upcharge.

 * All colors and patterns shown are approximate and may vary from sample and final.

Visit landscapeforms.com for more information.
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