

PT02

INDUCTION
LIGHTING

POST TOP LIGHTING



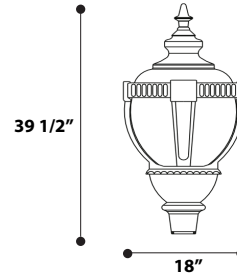
American
Green Technology

REV: Nov 2016

1 (269) 340-9975 | www.americangreentechnology.com



DIMENSIONS



DESCRIPTION

AGT's PT02 Decorative Acorn Light features a high impact acrylic lens with a decorative basket and provides excellent illumination at heights that range from 8 to 25 feet. The PT02 comes in standard black, but can be customized to a color that suits your needs.

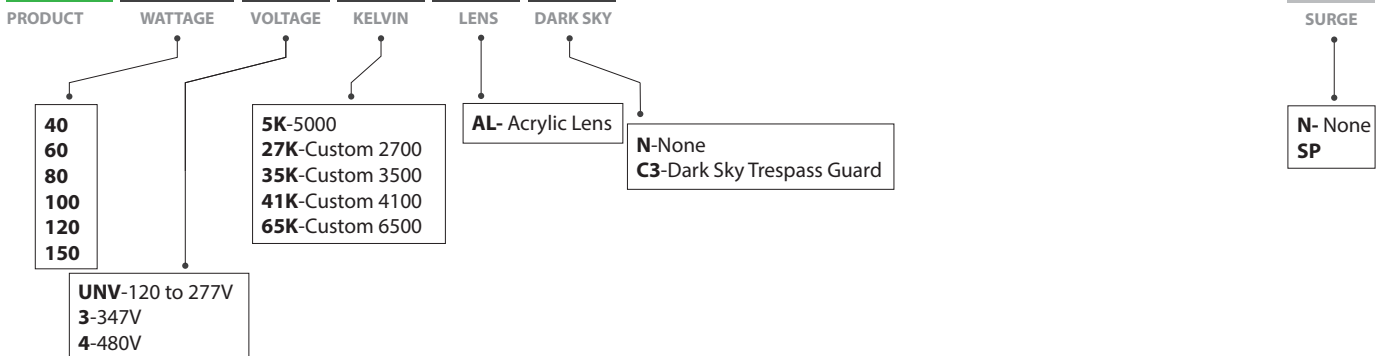
The fixture is IP53 Rated and attaches easily to existing decorative posts. The induction lamp provides outstanding lumen maintenance and a rated lamp life of 100,000 hours.

SPECIFICATIONS

Dimensions	.....	39 1/2" Tall, 18" Wide
IP Rating	.....	53
Wattages	.....	40-150W
Voltage	.....	120-277V; 347V; 480V
Mounting System	....	Post Top, 2-1/2" to 3"
Housing	.....	Cast Aluminum
Lens	.....	Acrylic
Reflector	.....	Polished Aluminum

ORDER

PT02



PROJECT _____

TYPE _____



10 Year Limited Warranty

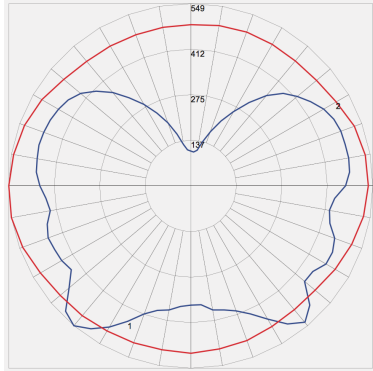


* All fields must be completed.
* All AGT highbays come equipped with 6 foot safety cables.
* Refer to separate Sensors Reference Sheet for in-depth controls information.



POLAR CURVE - 400W

Vertical and horizontal planes through the 834 Cd. maximum intensity point



* This photometric chart shows the characteristic lighting distribution of this luminaire. Please refer to the specific IES file for more detailed information.

LAMP FEATURES

High quality phosphor coating for superior lumen maintenance

High lighting efficacy, instant on, instant restrict, solid amalgam, and stable color over long life

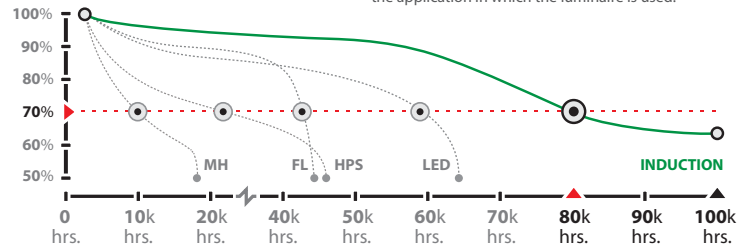
Excellent vibration and shock resistance with unlimited switching

LAMP SPECIFICATIONS

Rated Lamp Life 100,000 hrs.
Lumen Maintenance Minimum 70% @ 80,000 hrs.

Kelvin
2,700 - 6,500 k

* The below chart compares general depreciation trends of different lighting technologies under similar conditions. Actual depreciation may vary and is dependent upon a number of environmental factors, the manufacturer and the application in which the luminaire is used.



SOLID STATE GENERATOR SPECS

Input Voltage	120 - 277V, 250V DC Universal (UNV), 24V DC, 347V, 480V
Power Factor	> .96
THD	< 10%
Standard Voltage	120 - 277 (Volts AC)
Minimum Input Voltage	98 (Volts AC)
Maximum Input Voltage	305 (Volts AC)
Minimum Input Frequency	47 (Hertz)
Maximum Input Frequency	63 (Hertz)
Inrush Current	< 60 (Amperes)
Minimum Output Frequency	210 (KiloHertz)
Nominal Output Frequency	240 (KiloHertz)
Maximum Output Frequency	270 (KiloHertz)
RoHS 5 Compliance	Yes
Protection - No Load	Yes
Protection - Load Short	Yes
Protection - Lamp Removed	Yes

Cold Temperature Start	(Ta) -25 (Standard), -40 (Upon Request)
Max Case Temperature	(Tc) 160F
Isolation Resistance - Hot State	< 200 Megaohms
Isolation Resistance - Cold State	500 Megaohms
Isolation Voltage	2,000 Vac (S 10ma) 10s
Ignition Voltage	2,700 +/- 200Vpp
Differential Mode	+/- 1kV
Cooling	Natural

Generator	UL935, CAN/CSA-C22.2 No. 74-96, IEC(EN)61347-1, EN61347-2-3, GB19510.4, GB19510.1
Harmonic Current	ANSI C82.11, IEC(EN)61000-3-2, GB17625
Electromagnetic Emission	FCC CFR part18/EN55015/CISPR15/GB17743
ESD	IEC 61000-4-2 Level3
Electromagnetic Compatibility Immunity	IEC61547/EN61547, EN61000-3-3, EN61000-4-5, GB17743
Entire Luminaire	UL1598, CSA-C22.2 No. 250.0-08
IP Rating & Safety	IEC(EN)60598, IEC60529, GB7000, GB4208

WATTAGES	TOTAL LOAD ¹	VEL ²	INITIAL LUMENS	LUMEN RANGE ³	LAMP (LM/W)	CRI	HID REPLACEMENT
40W	42 W	5,488	2,800	2600-2800	80	> 80	80/100 W
60W	63 W	8,232	4,200	3500-4200	80	> 80	120/150 W
80W	84 W	11,760	6,000	5600-6000	80-85	> 80	150 W
100W	105 W	15,680	8,000	7500-8000	80-85	> 80	200 W
120W	126 W	18,816	9,600	9000-9600	80-85	> 80	250 W
150W	157.5 W	23,520	12,000	11250-12000	80-85	> 80	300/325 W

¹ Total load equals the maximum wattage used by both the lamp and the generator
² Visually Effective Lumens factor of 1.96
³ Lumen Range is based upon generator wattage that is supplied to the lamp. See IES file for more details