

DesignLights Consortium



Classification	Standard
Primary Use	Replacement Lamps for Outdoor Pole/Arm-Mounted Area and Roadway Luminaires (Type B)
Reported Input Wattage	80 W
Reported Light Output	8556 lm
Reported CCT	3000 K
Reported CRI (Ra)	84
Product ID	S-ARHCWO
DLC Family Code	VWVALQ
Listing Status	Listed
Date Qualified	2023-12-07

PRODUCT INFORMATION VIEW DETAILS

Qualified Product List	Solid State Lighting
Technical Requirements Version	5.1
Product ID	S-ARHCWO
Manufacturer	SATCO Products Inc
Brand	Satco
Model Number	S28932R1
Parent	Yes
Classification	Standard
DLC Family Code	VWVALQ
Length	0.0 ft
Input Power Type	AC

PRODUCT CATEGORIZATION VIEW DETAILS

Category	Mogul (E39) Screw-Base Replacements for HID Lamps
General Application	Mid Output
Primary Use Designation	Replacement Lamps for Outdoor Pole/Arm-Mounted Area and Roadway Luminaires (Type B)

CONTROL FEATURES VIEW DETAILS

Integral Controls	No
Dimming Capability and Range	Stepped Dimmable
Integral Control Capability	No Control Capability
Sensor Type	No Sensor
SSL V5 Wired Communication Protocol	No Wired Communication Protocol
SSL V5 Wireless Communication Protocol	No Wireless Protocol
Field Adjustable Light Output	Yes
White-Tunable	Yes
Warm-Dimming	No
Field Adjustable Light Distribution	No

REPORTED PHOTOMETRIC PERFORMANCE VIEW DETAILS

Reported Light Output	8556 lm
Reported Efficacy (AC)	106.9 lm/W
Reported CCT	3000 K
Reported CRI (Ra)	84
Reported R9	12
Reported IES Rf	85
Reported IES Rg	96
Reported IES Rcs,h1	-11
Reported Minimum Light Output	6414 lm
Reported Maximum Light Output	8556 lm
Reported Minimum CCT	3000 K
Reported Maximum CCT	5000 K
Reported Default Light Output	8556 lm

REPORTED ELECTRICAL PERFORMANCE VIEW DETAILS

Reported Input Wattage	80 W
Reported Total Harmonic Distortion	15.3 %
Reported Power Factor	0.91
Reported Minimum Input Wattage	60 W
Reported Maximum Input Wattage	80
Reported Default Input Wattage	80 W
Voltage Range	120-277 V

TESTED PHOTOMETRIC PERFORMANCE VIEW DETAILS

Tested Voltage for Minimum Efficacy	120
-------------------------------------	-----

Tested Light Output	8564 lm
Tested Efficacy (AC)	106.85 lm/W
Tested CCT	2968 K
Tested CRI (Ra)	84
Tested R9	12
Tested IES Rf	85
Tested IES Rg	96
Tested IES Rcs,h1	-11 %
Tested Duv	-0.00191

TESTED ELECTRICAL PERFORMANCE VIEW DETAILS

Tested Input Wattage	80.2 W
Tested Total Harmonic Distortion	15.3 %
Tested Power Factor	0.914

PHOTOMETRIC IMAGES AND FILES VIEW DETAILS

SPDX File	Download File
-----------	-------------------------------

VERSION HISTORY VIEW DETAILS

2023-12-07	Listed	5.1	Standard
------------	--------	-----	----------