

DesignLights Consortium



[DLC QPL](#) / [Products](#) / [Product Details](#)

Model Number

SU-SB-300W-CCT-G3

Manufacturer

NETWORK LIGHTING CONTROL INC

Brand

SAMARAUSA

SSL V6.0 Premium

Product ID: S-D6PN5K



Product Overview 19 fields

CATEGORY

Outdoor Luminaires

GENERAL APPLICATION

Very High Output

PRIMARY USE

Outdoor Pole/Arm-Mounted Area and Roadway Luminaires

CLASSIFICATION

Premium

TECHNICAL REQUIREMENTS VERSION

6.0

DLC FAMILY CODE

[WLKRNJ](#)

BRAND

SAMARAUSA

PARENT

Yes

LISTING STATUS

Listed

DATE QUALIFIED

2026-05-13

REPORTED INPUT WATTAGE

296.4 W

REPORTED LIGHT OUTPUT

51,041 lm

REPORTED CCT

5000 K

REPORTED CRI

74

REPORTED R9

-22

REPORTED IES RF

75

REPORTED IES RG

97

REPORTED IES RCS,H1

-15

INPUT POWER TYPE

AC

SPECIFICATION SHEET

[S-D6PN5K Specification Sheet](#) Date Updated: 2026-03-10

Version History 1 records

2026-05-13	Listed	6	Premium
------------	--------	---	---------

V6.0 Controls Options 1 records

SB	1	10V (wired)	Continuous	10	None	None	3.5mm Phono Jack	None	None	N/A	N/A
----	---	-------------	------------	----	------	------	------------------	------	------	-----	-----

V5.1 Control Features 4 fields

INTEGRAL CONTROLS

No

INTEGRAL CONTROL CAPABILITY

No

SENSOR TYPE

Sensor Receptacle

INTEGRAL CONTROL RECEPTACLE STANDARD

No

Reported Photometric Performance 10 fields

REPORTED LIGHT OUTPUT

51041 lm

REPORTED EFFICACY (AC)

REPORTED EFFICACY (E₀)

172.2 lm/W

REPORTED CCT

5000 K

REPORTED CRI (RA)

74

REPORTED R9

-22

REPORTED IES RF

75

REPORTED IES RG

97

REPORTED IES RCS,H1

-15

REPORTED DEFAULT LIGHT OUTPUT

51041 lm

REPORTED BUG RATING

B4 U3 G4

Reported Electrical Performance 5 fields

REPORTED INPUT WATTAGE

296.4 W

REPORTED TOTAL HARMONIC DISTORTION

10 %

REPORTED POWER FACTOR

0.955

REPORTED DEFAULT INPUT WATTAGE

296.0 W

VOLTAGE RANGE

120-277 V

Tested Photometric Performance 11 fields

TESTED VOLTAGE FOR MINIMUM EFFICACY

120

TESTED LIGHT OUTPUT

51041 lm

TESTED EFFICACY (AC)

172.2 lm/W

TESTED CCT

3042 K

TESTED CRI (RA)

74

TESTED R9

-22

TESTED IES RF

75

TESTED IES RG

97

TESTED IES RCS,H1

-15 %

TESTED DUV

-0.00275

TESTED BUG RATING

B4 U3 G4

Tested Electrical Performance 3 fields**TESTED INPUT WATTAGE**

296.41 W

TESTED TOTAL HARMONIC DISTORTION

10 %

TESTED POWER FACTOR

0.955

LUNA/Turtle Lighting/Amber No Applicable Data

Field Adjustability 30 fields

FIELD ADJUSTABLE LIGHT OUTPUT (FALO)

Yes

FALO LIGHT OUTPUT AND WATTAGE SETTINGS

Light Output	51041 lm	34440 lm	41328 lm	51041 lm	N/A	N/A	N/A	N/A	N/A
Wattage	296 W	200 W	240 W	296.4 W	N/A	N/A	N/A	N/A	N/A

FIELD ADJUSTABLE COLOR TEMPERATURE (FACT)

Yes

FACT SETTINGS

5000 K	3000 K	4000 K	5000 K	N/A	N/A	N/A	N/A	N/A
--------	--------	--------	--------	-----	-----	-----	-----	-----

FIELD ADJUSTABLE LIGHT DISTRIBUTION (FALD)

No

Tunability No Applicable Data

Solar No Applicable Data

Sustainability No Applicable Data

Product Images shown may not represent all capabilities or aesthetic options available for the associated model number