

DesignLights Consortium

DLC QPL / Products / Product Details



Model Number

SU-SB-300W-TCP[Blank;(PIR);(PTC);(MS);(PIP);(MSP);(PR);(PSC);(BT)]-G1

Manufacturer

NETWORK LIGHTING CONTROL INC

Brand

SAMARAUSA

SSL V6.0 Premium

SSL V5.1 Premium

Product ID: S-1JHR51



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

[LLLCQV](#)

BRAND

SAMARAUSA

PARENT

Yes

LISTING STATUS

Listed

DATE QUALIFIED

2025-10-06

REPORTED INPUT WATTAGE

301.0 W

REPORTED LIGHT OUTPUT

52,798 lm

REPORTED CCT

5000 K

REPORTED CRI

73

REPORTED R9

-25

REPORTED IES RF

75

REPORTED IES RG

96

REPORTED IES RCS,H1

-16

INPUT POWER TYPE

AC

Version History 2 records

2026-05-20	Listed	6	Premium
2025-10-14	Listed	5.1	Premium

V6.0 Controls Options 9 records

[Blank]	1	10V (wired)	Continuous	10	None	None	3.5mm Phono Jack	None	None	N/A	N/A
PIR	3A	10V (wired)	Continuous	10	Infrared (wireless, proprietary)	None	3.5mm Phono Jack	Occupancy only	Passive Infrared (PIR)	40	N/A
PTC	N/A	10V (wired)	Continuous	10	None	None	3.5mm Phono Jack	Photocell only	Light-dependent Resistor	N/A	N/A
MS	3A	10V (wired)	Continuous	10	Infrared (wireless, proprietary)	None	3.5mm Phono Jack	Occupancy only	Microwave	40	N/A
PIP	4A	10V (wired)	Continuous	10	Infrared (wireless, proprietary)	None	3.5mm Phono Jack	Occupancy + Photocell	Passive Infrared (PIR)	40	N/A
MSP	4A	10V (wired)	Continuous	10	Infrared (wireless, proprietary)	None	3.5mm Phono Jack	Occupancy + Photocell	Microwave	40	N/A
PR	3A	10V (wired)	Continuous	10	Infrared (wireless, proprietary)	None	3.5mm Phono Jack	Occupancy only	Passive Infrared (PIR)	40	N/A
PSC	1	10V (wired)	Continuous	10	None	None	5 Pin Twistlock	None	None	N/A	N/A
BT	3A	10V (wired)	Continuous	10	Bluetooth (wireless, proprietary)	None	3.5mm Phono Jack	Occupancy only	Bluetooth Beacon	40	N/A

V5.1 Control Features 6 fields

INTEGRAL CONTROLS

Yes

DIMMING CAPABILITY AND RANGE

DIMMING CAPABILITY AND RANGE

Continuous Dimming to 10% or below

INTEGRAL CONTROL CAPABILITY

No

SENSOR TYPE

Exterior Photocell, Sensor Receptacle, Occupancy Sensing

SSL V5 WIRED COMMUNICATION PROTOCOL

0-10V Analog

SSL V5 WIRELESS COMMUNICATION PROTOCOL

Bluetooth

Reported Photometric Performance 10 fields**REPORTED LIGHT OUTPUT**

52798 lm

REPORTED EFFICACY (AC)

175.4 lm/W

REPORTED CCT

5000 K

REPORTED CRI (RA)

73

REPORTED R9

-25

REPORTED IES RF

75

REPORTED IES RG

96

REPORTED IES RCS,H1

-16

REPORTED DEFAULT LIGHT OUTPUT

52798 lm

REPORTED BUG RATING

B5 U3 G5

Reported Electrical Performance 5 fields

REPORTED INPUT WATTAGE

301.0 W

REPORTED TOTAL HARMONIC DISTORTION

15 %

REPORTED POWER FACTOR

0.9

REPORTED DEFAULT INPUT WATTAGE

301.0 W

VOLTAGE RANGE

120-277 V

Tested Photometric Performance 12 fields**TESTED VOLTAGE FOR MINIMUM EFFICACY**

120

TESTED LIGHT OUTPUT

52798 lm

TESTED EFFICACY (AC)

175.4 lm/W

TESTED CCT

3047 K

TESTED CRI (RA)

73

TESTED R9

-25

TESTED IES RF

75

TESTED IES RG

96

TESTED IES RCS,H1

-16 %

TESTED DUV

-0.0024

FIELD ADJUSTABLE LIGHT DISTRIBUTION SETTING

T3

TESTED BUG RATING

B5 U3 G5

Tested Electrical Performance 3 fields

TESTED INPUT WATTAGE

301.02 W

TESTED TOTAL HARMONIC DISTORTION

5.7 %

TESTED POWER FACTOR

0.969

LUNA/Turtle Lighting/Amber No Applicable Data

Field Adjustability 37 fields

FIELD ADJUSTABLE LIGHT OUTPUT (FALO)

Yes

FALO LIGHT OUTPUT AND WATTAGE SETTINGS

Light Output	52798 lm	35080 lm	42096 lm	52798 lm	N/A	N/A	N/A	N/A	N/A
Wattage	301 W	200 W	240 W	301 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
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FIELD ADJUSTABLE LIGHT DISTRIBUTION (FALD)

Yes

FIELD ADJUSTABLE DISTRIBUTION TYPE

Integral FALD

FALD LIGHT DISTRIBUTION SETTINGS

IES Distribution Type	T3	T4	T5	N/A	N/A	T3
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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