

DesignLights Consortium



Classification	Standard
Primary Use	2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces
Reported Input Wattage	45 W
Reported Light Output	5805 lm
Reported CCT	3500 K
Reported CRI (Ra)	82
Product ID	S-YBX27W
DLC Family Code	BBBFZW
Listing Status	Listed
Date Qualified	2022-03-25

PRODUCT INFORMATION VIEW DETAILS

Qualified Product List	Solid State Lighting
Technical Requirements Version	5.1
Product ID	S-YBX27W
Manufacturer	Precision Lighting & Transformer, Inc
Brand	PLT
Model Number	PLTM63211
Parent	Yes
Classification	Standard
DLC Family Code	BBBFZW
Input Power Type	AC

PRODUCT CATEGORIZATION VIEW DETAILS

Category	Indoor Luminaires
General Application	Troffer
Primary Use Designation	2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces

PRODUCT CAPABILITIES VIEW DETAILS

Integral Controls	Yes
Dimming Capability and Range	Continuous Dimming to 10% or below

Integral Control Capability	No Control Capability
Sensor Type	Daylight Sensing,Occupancy Sensing
SSL V5 Wired Communication Protocol	0-10V Analog
SSL V5 Wireless Communication Protocol	No Wireless Protocol
Field Adjustable Light Output	No
White-Tunable	Yes
Warm-Dimming	No
Field Adjustable Light Distribution	No

REPORTED PHOTOMETRIC PERFORMANCE VIEW DETAILS

Reported Light Output	5805 lm
Reported Efficacy (AC)	129 lm/W
Reported CCT	3500 K
Reported CRI (Ra)	82
Reported R9	6
Reported IES Rf	80
Reported IES Rg	90
Reported IES Rcs,h1	-12
Reported Minimum Light Output	4590 lm
Reported Maximum Light Output	5895 lm
Reported Minimum CCT	3500 K
Reported Maximum CCT	5000 K
Reported Default Light Output	5805 lm

REPORTED ELECTRICAL PERFORMANCE VIEW DETAILS

Reported Input Wattage	45 W
Reported Total Harmonic Distortion	10 %
Reported Power Factor	0.9
Reported Minimum Input Wattage	34
Reported Maximum Input Wattage	45
Reported Default Input Wattage	45
Voltage Range	120-277 V

TESTED PHOTOMETRIC PERFORMANCE VIEW DETAILS

Tested Light Output	6002 lm
Tested Efficacy (AC)	133.97 lm/W
Tested CCT	3347 K

Tested CRI (Ra)	82
Tested R9	6
Tested IES Rf	83
Tested IES Rg	96
Tested IES Rcs,h1	-12 %
Tested Duv	0.00114

TESTED ELECTRICAL PERFORMANCE VIEW DETAILS

Tested Voltage	120
Tested Input Wattage	44.8 W
Tested Total Harmonic Distortion	17.5 %
Tested Power Factor	0.98

VERSION HISTORY VIEW DETAILS

2022-05-16	Listed	5.1	Standard
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