

DesignLights Consortium



Model Number	PLTM18F312
Classification	Standard
Primary Use	High-Bay Luminaires for Commercial and Industrial Buildings
Reported Input Wattage	400 W
Reported Light Output	54400 lm
Reported CCT	5000 K
Reported CRI (Ra)	82
Product ID	S-PWR3XY
DLC Family Code	SLFAYT
Listing Status	Listed
Date Qualified	2024-02-27

PRODUCT INFORMATION VIEW DETAILS

Qualified Product List	Solid State Lighting
Technical Requirements Version	5.1
Product ID	S-PWR3XY
Manufacturer	Precision Lighting & Transformer, Inc
Brand	PLT
Model Number	PLTM18F312
Parent	Yes
Classification	Standard
DLC Family Code	SLFAYT
Input Power Type	AC

PRODUCT CATEGORIZATION VIEW DETAILS

Category	Indoor Luminaires
General Application	High-Bay
Primary Use Designation	High-Bay Luminaires for Commercial and Industrial Buildings

CONTROL FEATURES VIEW DETAILS

Integral Controls	Yes
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Dimming Capability and Range	Continuous Dimming to 10% or below
Integral Control Capability	No
Sensor Type	Multifunction Sensor
SSL V5 Wired Communication Protocol	0-10V Analog
SSL V5 Wireless Communication Protocol	No
Field Adjustable Light Output	No
White-Tunable	No
Warm-Dimming	No
Field Adjustable Light Distribution	No

REPORTED PHOTOMETRIC PERFORMANCE VIEW DETAILS

Reported Light Output	54400 lm
Reported Efficacy (AC)	136 lm/W
Reported CCT	5000 K
Reported CRI (Ra)	82
Reported R9	-4
Reported IES Rf	82
Reported IES Rg	92
Reported IES Rcs,h1	-15
Reported Default Light Output	54400 lm

REPORTED ELECTRICAL PERFORMANCE VIEW DETAILS

Reported Input Wattage	400 W
Reported Total Harmonic Distortion	8.4 %
Reported Power Factor	0.973
Reported Default Input Wattage	400 W
Voltage Range	120-277 V

TESTED PHOTOMETRIC PERFORMANCE VIEW DETAILS

Tested Voltage for Minimum Efficacy	120
Tested Light Output	53367 lm
Tested Efficacy (AC)	143.77 lm/W
Tested CCT	5144 K
Tested CRI (Ra)	82
Tested R9	-4
Tested IES Rf	82
Tested IES Rg	92

Tested IES Rcs,h1	-15 %
Tested Duv	0.0012

TESTED ELECTRICAL PERFORMANCE VIEW DETAILS

Tested Input Wattage	371.2 W
Tested Total Harmonic Distortion	8.4 %
Tested Power Factor	0.973

VERSION HISTORY VIEW DETAILS

2024-02-27	Listed	5.1	Standard
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