

DesignLights Consortium



Model Number	MRK2220-30K-PLUS[-RP,Blank]
Classification	Standard
Primary Use	Linear Retrofit Kits for 2x2 Luminaires
Reported Input Wattage	21.8 W
Reported Light Output	2851 lm
Reported CCT	3000 K
Reported CRI (Ra)	82.7
Product ID	PSIRMAXK
DLC Family Code	RRRWCH
Listing Status	Listed
Date Qualified	2021-03-02

PRODUCT INFORMATION VIEW DETAILS

Qualified Product List	Solid State Lighting
Technical Requirements Version	5.1
Product ID	PSIRMAXK
Manufacturer	ZLEDLighting
Brand	MAGNILUMEN PLUS
Model Number	MRK2220-30K-PLUS[-RP,Blank]
Parent	Yes
Classification	Standard
DLC Family Code	RRRWCH
Input Power Type	AC

PRODUCT CATEGORIZATION VIEW DETAILS

Category	Indoor Retrofit Kit
General Application	Troffer
Primary Use Designation	Linear Retrofit Kits for 2x2 Luminaires

CONTROL FEATURES VIEW DETAILS

Integral Controls	No
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Dimming Capability and Range	Continuous Dimming to 10% or below
Field Adjustable Light Output	Yes
White-Tunable	No
Warm-Dimming	No
Field Adjustable Light Distribution	No

REPORTED PHOTOMETRIC PERFORMANCE VIEW DETAILS

Reported Light Output	2851 lm
Reported Efficacy (AC)	130.6 lm/W
Reported CCT	3000 K
Reported CRI (Ra)	82.7
Reported R9	6
Reported IES Rf	85
Reported IES Rg	95
Reported IES Rcs,h1	-11
Reported Minimum Light Output	1044.8 lm
Reported Maximum Light Output	2892.9 lm
Reported Default Light Output	2612 lm

REPORTED ELECTRICAL PERFORMANCE VIEW DETAILS

Reported Input Wattage	21.8 W
Reported Total Harmonic Distortion	15.6 %
Reported Power Factor	0.899
Reported Minimum Input Wattage	8 W
Reported Default Input Wattage	20 W
Voltage Range	100-277 V

TESTED PHOTOMETRIC PERFORMANCE VIEW DETAILS

Tested Voltage for Minimum Efficacy	120
Tested Light Output	3974.12 lm
Tested Efficacy (AC)	130.34 lm/W
Tested CCT	3010 K
Tested CRI (Ra)	82.9
Tested R9	8
Tested IES Rf	85
Tested IES Rg	96
Tested IES Rcs,h1	-11 %

Tested Duv	-0.00063
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TESTED ELECTRICAL PERFORMANCE VIEW DETAILS

Tested Input Wattage	30.49 W
Tested Total Harmonic Distortion	11.5 %
Tested Power Factor	0.923

LISTING INFORMATION VIEW DETAILS

Testing in a Manufacturer-Selected Housing (Luminaire Specific)	General Purpose
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VERSION HISTORY VIEW DETAILS

2021-03-02	Listed	5.1	Standard
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