

# DesignLights Consortium



Model Number	MRK1420-50K-PLUS[-RP,Blank]
Classification	Standard
Primary Use	Linear Retrofit Kits for 1x4 Luminaires
Reported Input Wattage	21.3 W
Reported Light Output	2992.5 lm
Reported CCT	5000 K
Reported CRI (Ra)	82.8
Product ID	P2C8KVCF
DLC Family Code	<a href="#">RRRWCH</a>
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	P2C8KVCF
Manufacturer	ZLEDLighting
Brand	MAGNILUMEN PLUS
Model Number	MRK1420-50K-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 1x4 Luminaires

## CONTROL FEATURES VIEW DETAILS

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

## REPORTED PHOTOMETRIC PERFORMANCE VIEW DETAILS

Reported Light Output	2992.5 lm
Reported Efficacy (AC)	140.1 lm/W
Reported CCT	5000 K
Reported CRI (Ra)	82.8
Reported R9	8
Reported IES Rf	84
Reported IES Rg	96
Reported IES Rcs,h1	-12
Reported Minimum Light Output	1040 lm
Reported Maximum Light Output	2992.5 lm
Reported Default Light Output	2802 lm

## REPORTED ELECTRICAL PERFORMANCE VIEW DETAILS

Reported Input Wattage	21.3 W
Reported Total Harmonic Distortion	15.7 %
Reported Power Factor	0.9
Reported Minimum Input Wattage	7.42326909350464 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	2992.54 lm
Tested Efficacy (AC)	140.1 lm/W
Tested CCT	4957 K
Tested CRI (Ra)	82.8

Tested R9	8
Tested IES Rf	84
Tested IES Rg	96
Tested IES Rcs,h1	-11 %
Tested Duv	0.00324

### TESTED ELECTRICAL PERFORMANCE VIEW DETAILS

Tested Input Wattage	21.36 W
Tested Total Harmonic Distortion	15.7 %
Tested Power Factor	0.9

### 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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