DesignLights Consortium

Classification	Standard
Primary Use	Retrofit Kits for High-Bay Luminaires for Commercial and Industrial Buildings
Reported Input Wattage	282.1 W
Reported Light Output	38820 lm
Reported CCT	3000 K
Reported CRI (Ra)	83
Product ID	S-MC50QS
DLC Family Code	JJJPCB
Listing Status	Listed
Date Qualified	2022-08-17

PRODUCT INFORMATION VIEW DETAILS

Qualified Product List	Solid State Lighting
Technical Requirements Version	5.1
Product ID	S-MC50QS
Manufacturer	ESL Vision
Brand	ESL Vision
Model Number	ESL-MUR-280W-330
Parent	Yes
Classification	Standard
DLC Family Code	JJJPCB
Input Power Type	AC

PRODUCT CATEGORIZATION VIEW DETAILS

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

CONTROL FEATURES VIEW DETAILS

Integral Controls	No
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	No
White-Tunable	No
Warm-Dimming	No
Field Adjustable Light Distribution	No

REPORTED PHOTOMETRIC PERFORMANCE VIEW DETAILS

Reported Light Output	38820 lm
Reported Efficacy (AC)	137.6 lm/W
Reported CCT	3000 K
Reported CRI (Ra)	83
Reported R9	7
Reported IES Rf	85
Reported IES Rg	95
Reported IES Rcs,h1	-12
Reported Default Light Output	38820 lm

REPORTED ELECTRICAL PERFORMANCE VIEW DETAILS

Reported Input Wattage	282.1 W
Reported Total Harmonic Distortion	10 %
Reported Power Factor	0.94
Reported Default Input Wattage	282.1 W
Voltage Range	120-277 V

TESTED PHOTOMETRIC PERFORMANCE VIEW DETAILS

Tested Light Output	38820 lm
Tested Efficacy (AC)	137.6 lm/W
Tested CCT	3073 K
Tested CRI (Ra)	83
Tested R9	7
Tested IES Rf	85
Tested IES Rg	95
Tested IES Rcs,h1	-12 %
Tested Duv	0.0016

TESTED ELECTRICAL PERFORMANCE VIEW DETAILS

Tested Voltage	120
Tested Input Wattage	282.1 W
Tested Total Harmonic Distortion	10 %
Tested Power Factor	0.94

LISTING INFORMATION VIEW DETAILS

Testing in a Manufacturer-Selected Housing (Luminaire Specific)	General Purpose

PHOTOMETRIC IMAGES AND FILES VIEW DETAILS

SPDX File	[Download File](#)

VERSION HISTORY VIEW DETAILS

2022-08-17	Listed	5.1	Standard