



# PRODUCT SPECIFICATION

## MAGNETIC BASE LED WIDE AREA LIGHT W/2 X 20W LED

### 1.0 SCOPE

This Product Specification covers the 9" X 9" X 8.2" 2 LIGHT (20W EA.) MAGNET LIGHT

### 2.0 PRODUCT DESCRIPTION

#### 2.1 PRODUCT NAME AND SERIES NUMBER(S)

MAGNETIC BASE LED WIDE AREA LIGHT, SERIES NUMBER 130110, 8565-LED

#### 2.2 DIMENSIONS, MATERIALS, PLATINGS AND MARKINGS

OVERALL DIMENSIONS: 9" X 9" X 8.2".

HOUSING MATERIAL: ALUMINUM ALLOY, PAINTED ORANGE (PANTONE #021C)

LENS: CLEAR POLYCARBONATE

LUMINAIRE SHALL BE PLAINLY MARKED IN A PERMANENT MANNER IN A PLACE WHERE THE DETAILS WILL BE READILY VISABLE AFTER INSTALLATION, WITH THE FOLLOWING DETAILS:

- A) MFG NAME: **MOLEX INC.**
- B) TRADEMARK OR RECOGNIZED SYMBOL OF ID.
- C) CATALOGUE, STYLE, MODEL OR OTHER DESIGNATION. **8565-LED, 8565F-LED**
- D) RATED INPUT VOLTAGE: **100 - 277**
- E) FREQUENCY IN HERTZ: **50/60**
- F) LAMP TYPE, SIZE AND WATTAGE: **CITIZEN LED ARRAY CLL030 (20W X 2)**
- G) RATED INPUT IN AMPERES, WATTS: **.52 AMPS/40W @120 VAC**
- H) CAUTIONS: **DO NOT USE WITH EXTENSION CORD NEAR WATER. KEEP PLUG AND RECEPTACLE DRY. DO NOT MOUNT OVERHEAD OR ON UNEVEN SURFACES.**

#### 2.3 SAFETY AGENCY APPROVALS

cULus, FILE # E174254

REVISION: <b>A</b>	ECR/ECN INFORMATION: EC No: <b>IPG2014-1907</b> DATE: <b>2014/08/20</b>	TITLE: <b>Magnetic Base LED Wide Area Light 2 x 20 Watt LED Fixture</b>	SHEET No. <b>1 of 3</b>
DOCUMENT NUMBER: <b>PS-130110-001</b>	CREATED / REVISED BY: <b>Paul Snagel</b>	CHECKED BY:	APPROVED BY:



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## 3.0 APPLICABLE DOCUMENTS AND SPECIFICATIONS

SALES DRAWING: SD-130110-004

APPLICABLE STANDARDS: CSA C22.2 NO. 12-1982, UL 153, UL8750

INGRESS PROTECTION RATING: UL WET LOCATION

## 4.0 RATINGS

### 4.1 VOLTAGE/CURRENT

120 Volts AC (RMS), .52 AMPS 60 Hz / 277 Volts AC (RMS), .23 AMPS 60 Hz

### 4.2 TEMPERATURE

Operating: - 20°C to + 40°C

Non-operating: - 40°C to + 40°C

## 5.0 PERFORMANCE

### 5.1 ELECTRICAL REQUIREMENTS

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
1	Dielectric Strength	A factory wired luminaire shall withstand for 1 minute without breakdown, the application of an ac voltage applied between live parts and non-current carrying metal parts. The voltage shall be 1000V plus twice the rated voltage.	No breakdown

### 5.2 MECHANICAL REQUIREMENTS

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
1	Vibration Test	IEC 60068-2-6: Apply swept sine vibration over the frequency range [10-500]Hz in each of 3 axes. 1Hr per axis.	There shall be no damage to or loosening of any part
2	Mechanical Shock Test	IEC 60068-2-29 Apply shock pulses [50Gs-11ms], 3 pulses in 2 directions in 3 axes (18 total).	There shall be no damage to or loosening of any part
3	Temperature	Measure temperatures on critical components at critical locations	All temperatures on or within the luminaire, including those of the LEDs, driver or any other heat-producing components, shall comply with the temperature limitations required.

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<b>4</b>	<b>Strain Relief</b>	A pull of 156 N (35 lb) shall be applied for 1 minute to the insulated conductor beyond the strain relief in a direction perpendicular to the plane of the entrance to the luminaire.	<b>Movement of the conductor shall not exceed 1.6 mm (0.063").</b>
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### 5.3 Environmental Requirements

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
<b>1</b>	<b>Temperature/ Humidity Test</b>	Ten 24-hrs cycles with temperature varying from (+30C) to (+50C) and 95% RH.	<b>No moisture shall be found on any electrical conductors within the luminaire enclosure.</b>
<b>2</b>	<b>Thermal Shock</b>	Cycle temperature from (-30C) to (+50C) with 1 hour dwell at extremes. Perform 25 cycles with each cycle approx 2 hrs.	<b>No moisture shall be found on any electrical conductors within the luminaire enclosure.</b>
<b>3</b>	<b>Accelerated Aging (gasket)</b>	Gaskets shall be subjected to an accelerated aging test in which the gasket is exposed, for a period of 100 hrs, to a temperature 50° C higher than the temperature to which it is subjected in normal use.	<b>Visual: No Damage</b>

### 6.0 PACKAGING

Parts shall be packaged to protect against damage during handling, transit and storage.

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