



**PROGRAMMABLE,  
DIGITAL, WIDE-RANGE  
AJUSTABLE CURRENT & DIMMING  
PRE-SET DIMMING  
REMOTE HIGH FREQUENCY  
OCCUPANCY SENSOR**

**Constant Current LED Driver**

**Model Number  
AC98CD2.IAP4G**

Input Voltage: 120-277V

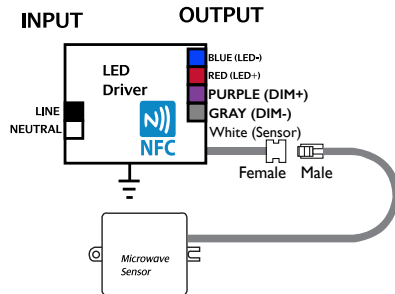
Input Frequency: 50/60Hz

Side Mount/Leads Options

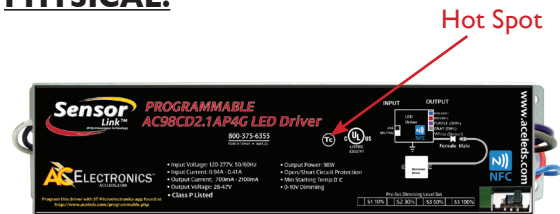
**ELECTRICAL SPECIFICATIONS:**

Output Power	Input Power	Input Current	Min PF (full load)	Max THD (full load)	Output Voltage	Output Current	T case Max	Min Starting Temp	IP Rating	Efficiency Up To	Dimming Protocol	Dimming Range
98W	113W	0.94A@120V 0.41A@277V	>0.90	>20	28-47V	700mA- 2100mA ± 15%	90°C	0°C	64	86%	0 to 10V	1 to 100%

**WIRING:**



**PHYSICAL:**



**Lead Lengths**

Black	5.9"	Blue	5.9"	Purple	7.1"
White	5.9"	Red	5.9"	Gray	7.1"
Microwave Sensor	24"	Male	18"	Female	5.9"

**Dimensions Length Width Height**

AC98CD2.IAP4G	9.5"	2.4"	1.46"
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**SAFETY:**

- Class P Listed
  - Class A sound rating
  - Overload Protection
  - Open/Short Circuit Protection
  - LED driver has a life expectancy of 50,000 hours at Tcase of ≤75°C
  - LED driver has a life expectancy of 100,000 hours at Tcase of ≤65°C
  - Warranty: 5 yrs based on max case temp of <75°C; 3 yrs based on max case temp of 90°C\*
  - Input/Output Isolation
  - FCC Title 47 CFR Part 15
  - Surge Protection (3 Kv)
- Programmable Output Current
  - Conventional 0-10V Dimming Driver When Sensor Not Connected
  - Connecting Sensor Provides:
    - o Switch to Full Brightness When Area Occupied
    - o Switch to Pre-Selected Dimming Level When Area Not Occupied
  - S1: 10% Dimming
  - S2: 30% Dimming
  - S3: 50% Dimming
  - S4: 100%(Off) Enables External Dimmer

**INSTALLATION:**

- IP 64
- Max Remote installation distance is 18 ft
- LED driver cases should be grounded
- LED drivers shall be installed inside electrical enclosures
- 18 AWG 600V/105C tinned stranded copper lead-wires are required for installation



\*AC Electronics/AC LED Power Designs warrants to the purchaser that each LED Driver will be free from defects in material or workmanship for a period of 5 years when operated at max case temp of up to 75°C; 3 years from date of manufacture when operated at a max case temp of up to 90°C when properly installed and under normal conditions of use. See aceleds.com for complete warranty policy.

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Data is based upon tests performed by AC Electronics in a controlled environment and representative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice. All specifications are nominal unless otherwise noted.

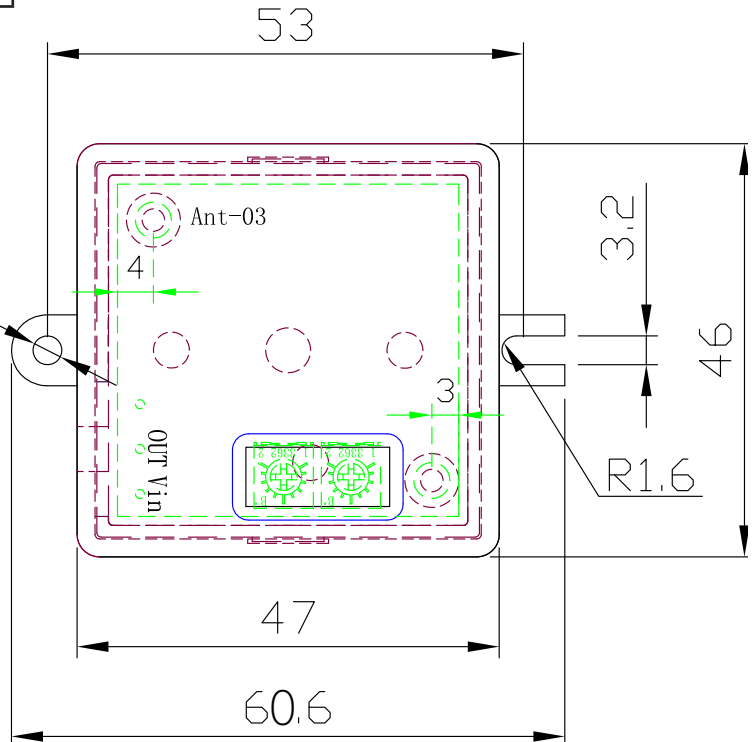


**Microwave Occupancy Sensor Electrical Specifications**

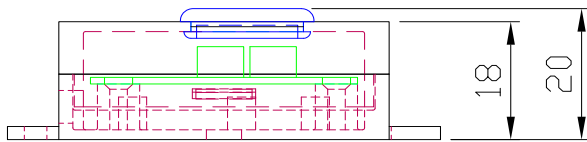
Operating Temperature	Sensitivity	Time Delay
-20~+50°C	6m Max	1 sec - 15 minutes

Dimensions			
Length	2.38"	Height	0.79"
Width	1.81"	Mounting Length	2.1"

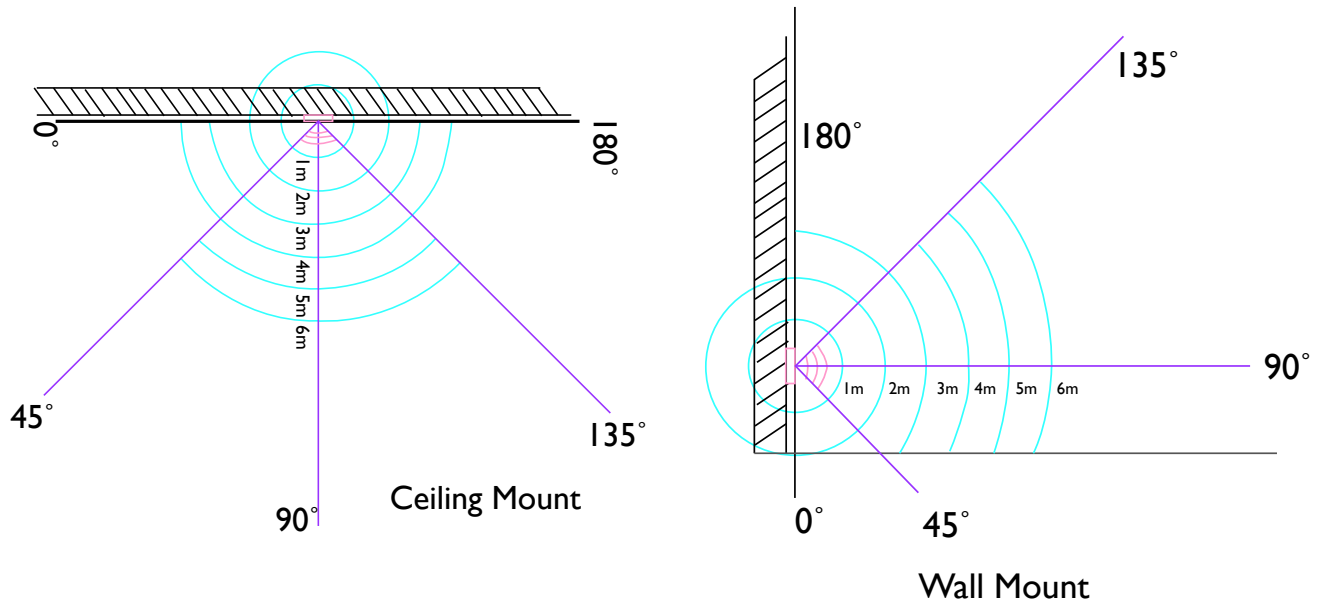
**Enclosure - Microwave Sensor  
Dimensions on diagram in mm**



**Enclosure - Microwave Sensor - Height**



**Sensor Coverage Area**



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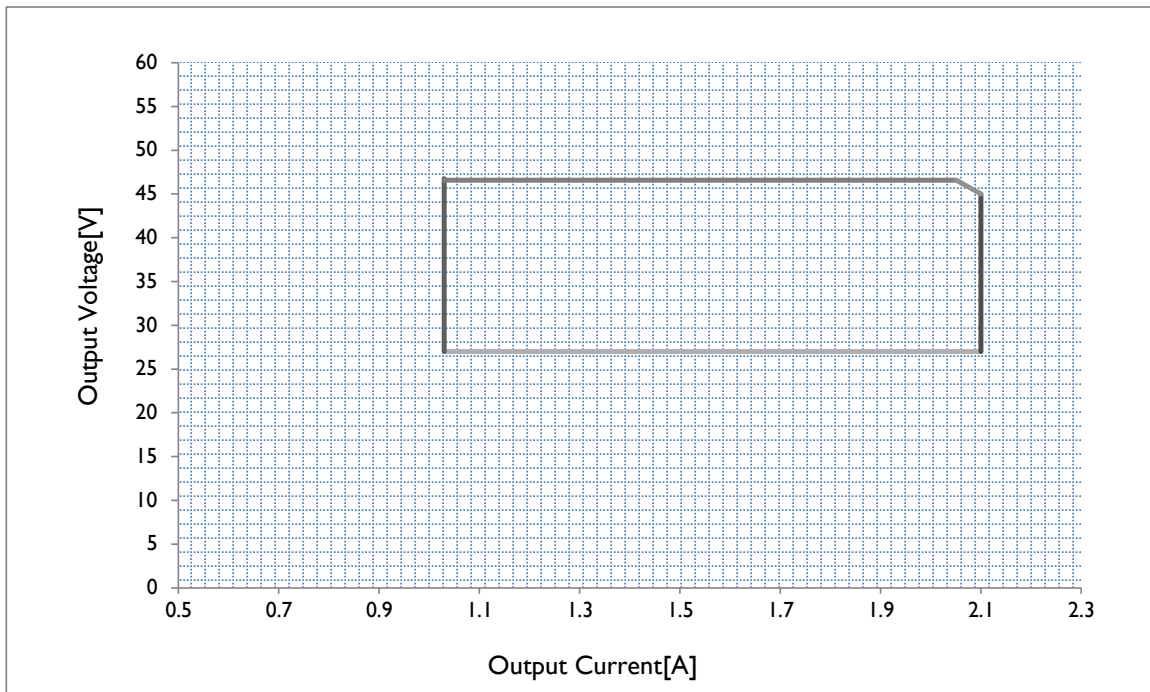
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**Performance Charateristics**

**CONTROL THE IOUT WITH THE PROGRAMMING WAND. DOWNLOAD SOFTWARE FROM**  
<http://www.aceleds.com/programmable.php>

**IOUT/VOUT CURVE**

Use with [NFC-V Reader](#) App Available Free at Google App Store



**Phone Instructions**

First you must have a Android device (phone/tablet) with NFC-V app downloaded.  
 Open App; then place the device on top of the driver matching up sensors untile it syncs up

Basic format

Write

Insert the appropriate code from chart above

Write

Successfully written will appear

To Check: Read

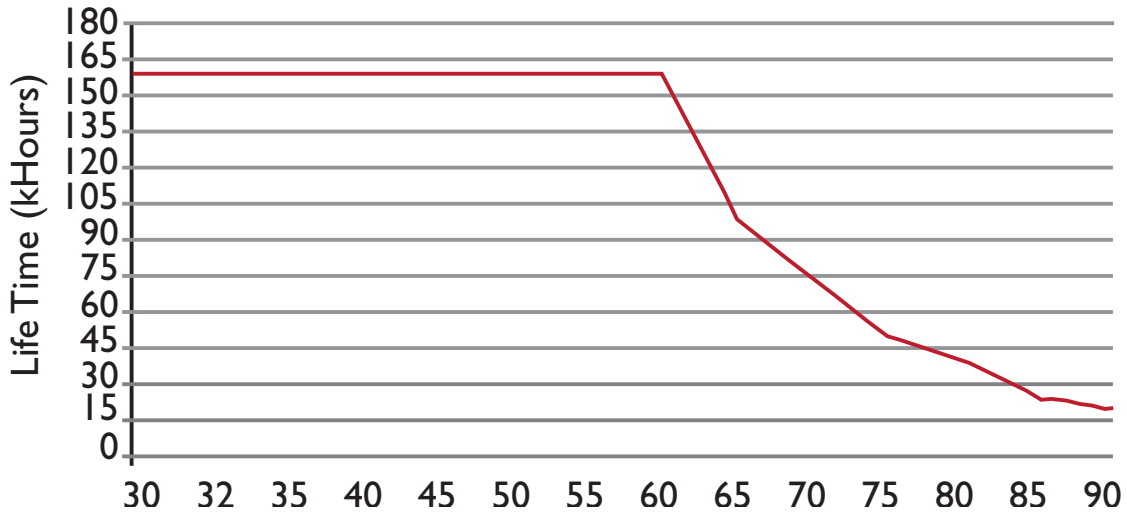
Read

Shows you the Block - 00 00 00 00

This is where the code you input appears

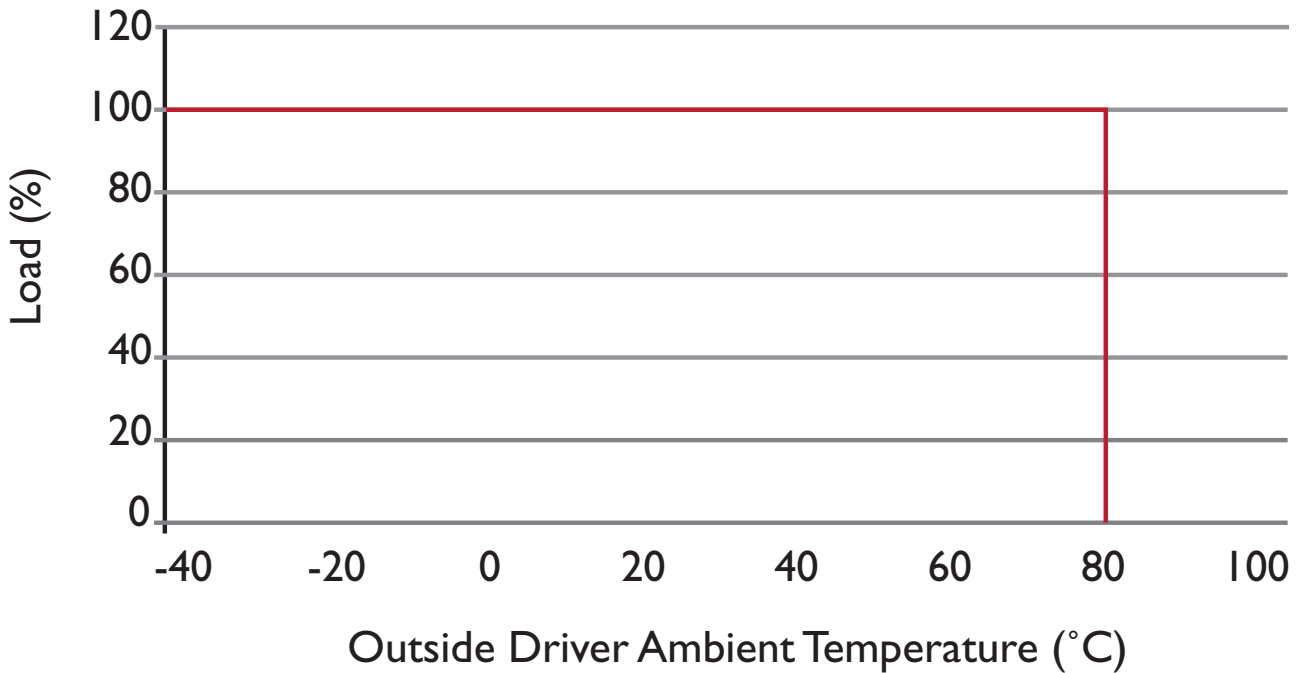
**Performance Charateristics**

Life Time v.s. Case Temperature Curve



Derating Curve

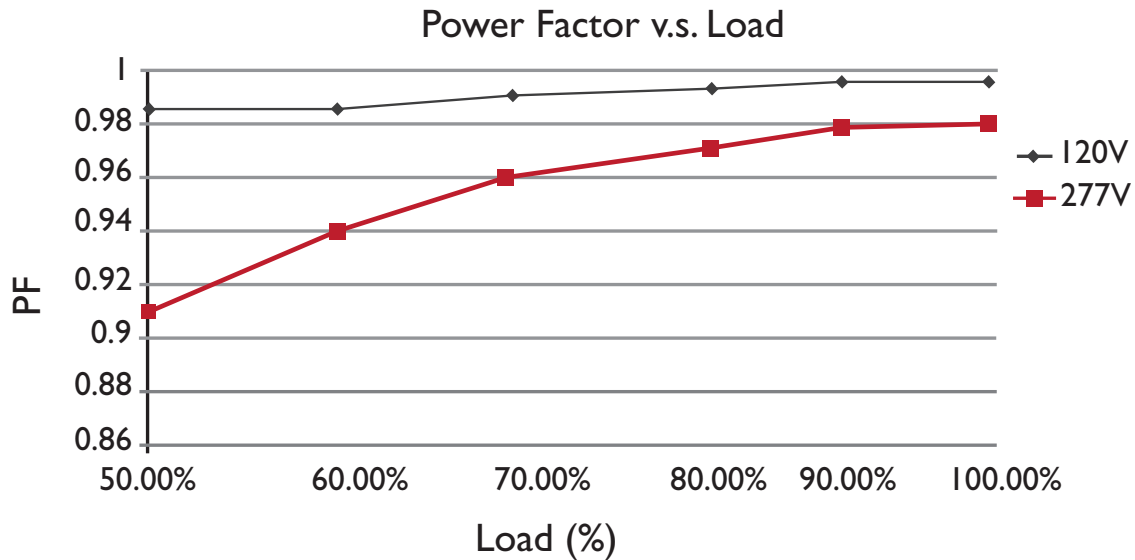
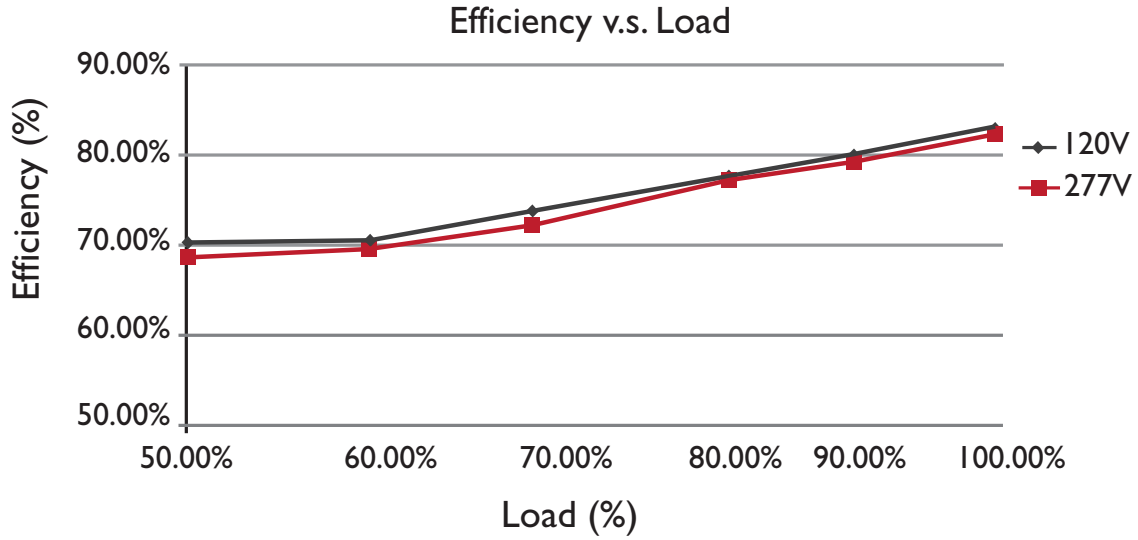
120Vac & 277Vac



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**Performance Charateristics**

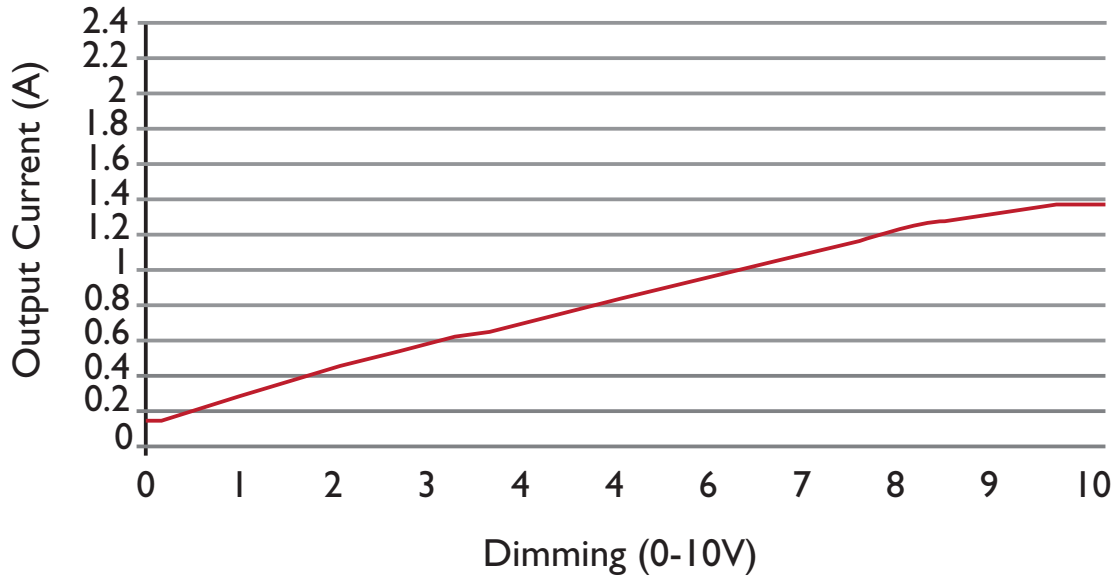


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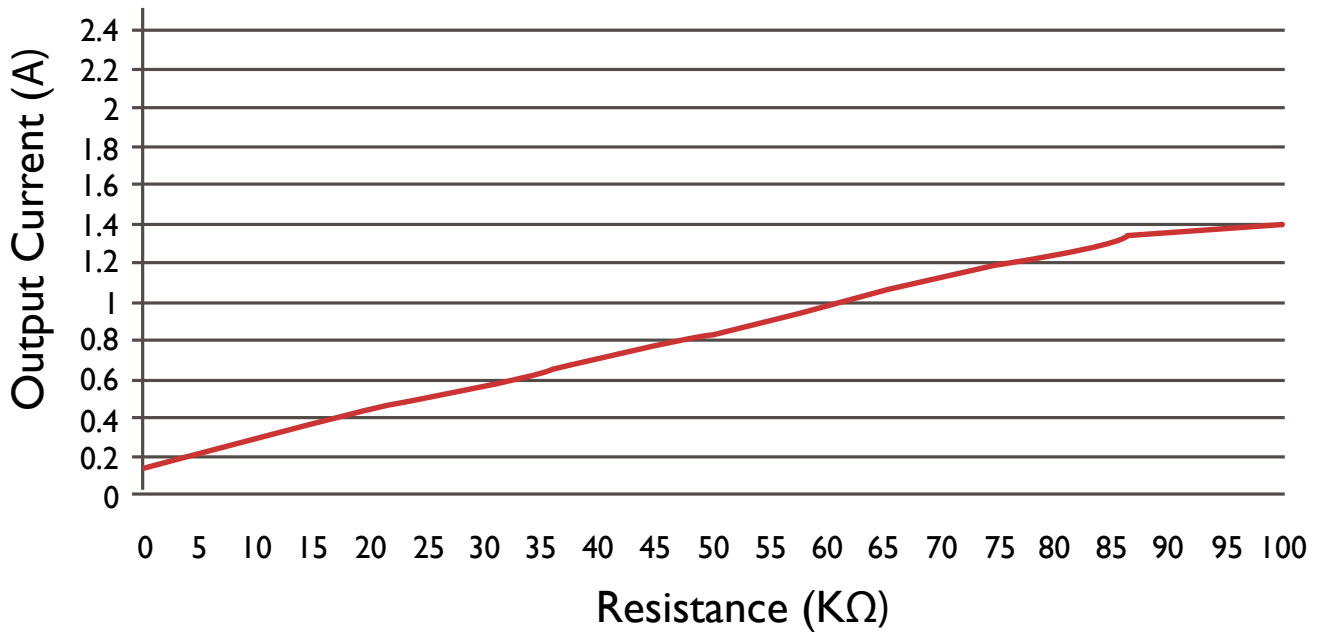
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**Performance Charateristics**

Output Current v.s. Dimming



Output Current v.s. Resistance



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