



Model Name	PAC2100S80DL
Output Model	Constant Current
Input Voltage	120-277 Vac
Input Frequency	50/60 Hz
Dimming	3 in 1 (PWM, 1-10V, Resistance) Dim to 10%
Surge Rating	2KV
Warranty	5 Years $TC \leq 75^{\circ}C$ 3 Years $75^{\circ}C \leq TC \leq 90^{\circ}C$

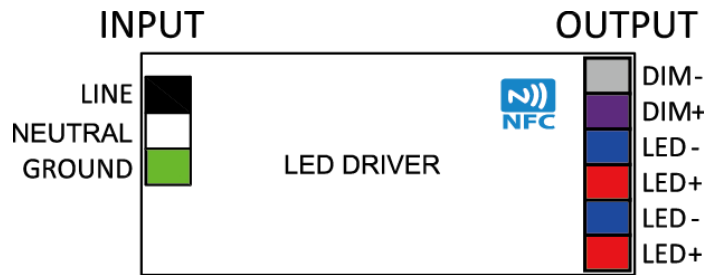
Product Specification



ClassP Class2

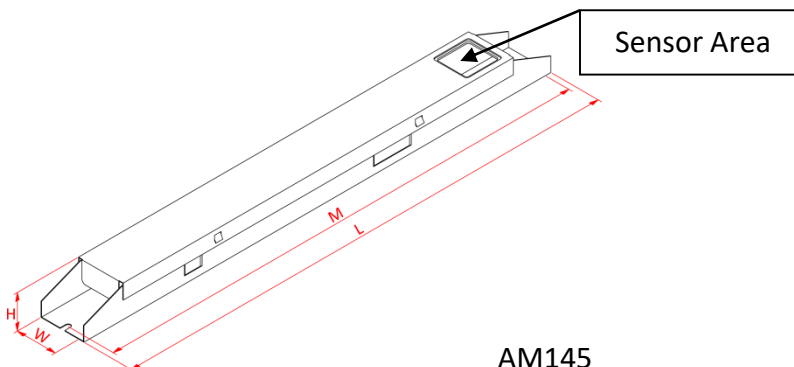
Output Power (W)	Output Voltage (V)	Output Current (A)	Start Temp. (°F/°C)	Tcase Temp. (°F/°C)	Input Current (A)	Input Power (W)	Inrush Current (A)	THD (%)	Power Factor	Efficiency (%)
Max. 80	27-55	1.05-2.1	Min 32/0	Max. 194/90	0.76@120V 0.33@277V	91	40	Max. 20	Min. 0.9	Typ. 86

Wire Diagram



Maximum Wiring Distance (at full load) is 18AWG/18Feet
LED case should be grounded

Enclosure



Enclosure	Inch	Cm
Length(L)	15.55	39.5
Width(W)	1.49	3.8
Height(H)	1.08	2.75
Mounting(M)	15.23	38.7

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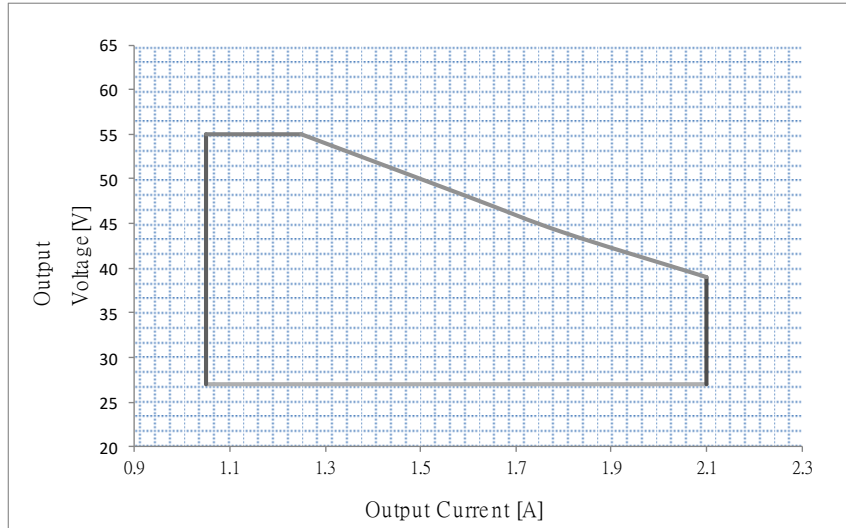


Programmable Tool

- Put the programmable wand above the NFC mark of the driver to start programming
- Download the software from www.antron.com.tw



I_{out} vs V_{out} Curve



Output Current Code List

Output Current Code List

Current Value (mA)	Correspond Iout Code				Current Value (mA)	Correspond Iout Code			
	Location					Location			
	0	1	2	3		0	1	2	3
1050	7F	03	00	03	1600	F9	04	00	03
1100	9D	03	00	03	1650	1E	05	00	03
1150	BB	03	00	03	1700	46	05	00	03
1200	ED	03	00	03	1750	67	05	00	03
1250	15	04	00	03	1800	8C	05	00	03
1300	29	04	00	03	1850	AF	05	00	03
1350	4C	04	00	03	1900	D2	05	00	03
1400	6F	04	00	03	1950	F0	05	00	03
1450	92	04	00	03	2000	0E	06	00	03
1500	B2	04	00	03	2050	34	06	00	03
1550	D8	04	00	03	2100	5E	06	00	03

Note: For drivers containing Revision C of their firmware (contact factory for date code of implementation), it is also possible to adjust the minimum dimming level and the dimming speed by programming the location 2.



Programmable Driver Options (App Note)

All programmable drivers accept a 16-bit hexadecimal code to program the output current (Iout) of the driver. The Iout programming codes are documented in the computer based-programming software (ST-TOOLS.exe) or from the driver's IOUTCODE.pdf file. The Locations below 0, 1, 2, 3 contain the basic code for a specific output current value (example 84 03 00 01 = 1050 mA for PAC1400S50D).

Location	0	1	2	3	
Value	00	00	00	00	

For drivers containing Revision C of their firmware (contact factory for date code of implementation), it is also possible to adjust the minimum dimming level and the dimming speed. This adjustment is made by modifying location 2 of the programming code while keeping the other locations set for the desired output current. Specifically, the location 3 values are defined as:

- 00 => Dim to 1%, Speed \leq 1.0 sec
- 01 => Dim-to-OFF, Speed \leq 1.0 sec
- 02 => Dim to 10%, Speed \leq 1.0 sec
- 03 => Dim to 1%, Speed \geq 2.5 sec
- 04 => Dim-to-OFF, Speed \geq 2.5 sec
- 05 => Dim to 10%, Speed \geq 2.5 sec

As an example, if the programming code value of 84 03 00 01 is programmed, the output current will be 1050 mA, and the driver will dim to 1% and the dimming speed will be \leq 1.0 sec. If the programming code of 84 03 04 01 is programmed, the output current will be 1050 mA, and the driver will dim to off and the dimming speed will be \geq 2.5 sec.

Data is based upon tests performed by Antron 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.