

Pro Premium 2 HO

Specification code: AP-AGL-PPHO-[CCT]



Our PRO Premium 2 High Output LED modules feature VersaLentz[®] advanced optics and batwing beam patterns that enable large areas of light coverage. Each PRO Premium module contains an integrated circuit that maintains constant current, so there is no lumen drop across any string of modules. Spaced at 8 inches (200 mm), our 24V PRO Premium 2 High Output modules are rated IP68 and available in 5 brilliant color temperatures from 3000K to 7100K for high-brightness signage.



Applications:

- High-brightness channel letters
- High-brightness box signs
- Cabinet signs
- Accent lighting

ORDERING GUIDE

Part Number	White Color Temp.	Module Spacing (mm)	Number of Modules		Nominal Light Output (lm)*		
			Per Foot	Per Meter	Per Module	Per Foot	Per Meter
AP-AGL-PPHO-7100K**	7100K	200	1.52	5	80	122	400
AP-AGL-PPHO-6500K	6500K	200	1.52	5	80	122	400
AP-AGL-PPHO-5000K**	5000K	200	1.52	5	80	122	400
AP-AGL-PPHO-4000K**	4000K	200	1.52	5	76	116	380
AP-AGL-PPHO-3000K**	3000K	200	1.52	5	76	116	380

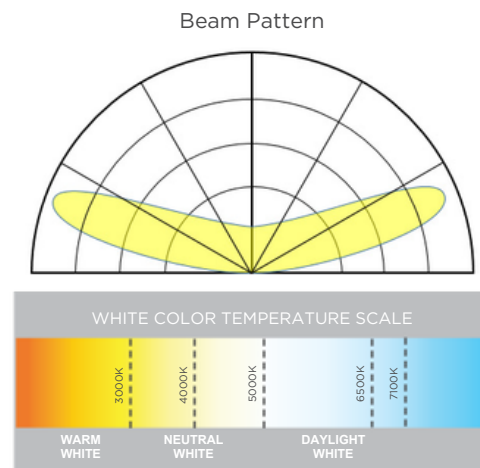
** Limited stock

* ± 10%

PRODUCT RATINGS

Luminous Efficacy	163.3 lm/W @ 6500K
Wattage per Module	0.49 W Nominal
Input Voltage	24 V DC
Input Current	0.020 A/ module
Ingress Protection	IP68
Operating Temperature	-40° - +140° F (-40° - +60° C)
L70 Lifetime @ 60° C	70,000 Hours
Warranty	9 Year Limited Warranty

LUMINOUS INTENSITY DISTRIBUTION



MODULE DIMENSIONS

Part Number	Length (in/mm)	Width (in/mm)	Height (in/mm)
AP-AGL-PPHO-[CCT]	2.26/57.3	0.72/18.28	0.44/11.25

Data sheet subject to change without notice.

REV.10JAN2025

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POWER SUPPLY LOADING

Module Type		AP-AGL-PPHO-[CCT]			
UL Class 2	Power Supply (wired in Parallel Strings)	Max. # of Modules Per String	Total # of Modules	Total # of Feet	Total # of Meters
	60W	110	115	75.5	23
	100W	144	192	126	38.4

- Notes:
1. Loading calculated at 25°C.
 2. For maximum loading to be reached, a center connection to the LEDs is recommended to minimize voltage drop.
 3. All values include an 8% buffer from maximum load.
 4. Single String Max Modules values can be used with the remote mounting to power supply table.

REMOTE MOUNTING DISTANCE

Power Supply	18AWG (ft/m)	16AWG (ft/m)	14AWG (ft/m)	12AWG (ft/m)
60W	20/6.1	25/7.6	35/10.6	40/12.1
100W	20/6.1	25/7.6	35/10.6	40/12.1

- Notes:
1. Power supply always has 8% buffer
 2. These values are good for use with Power Supply Loading Table Single String Max Module values

LAYOUT GUIDE*

Channel Depth (in.)	Single Row		Multiple Rows	
	Max. Stroke	Module Spacing	Row Spacing	Module Spacing
1.57	3.9	3.5	3.2	3.5
2	4.9	4.3	3.9	4.3
3	7.1	6.3	5.9	6.3
4	9.8	7.9	7.9	7.9
5	11.8	7.9	9.8	7.9

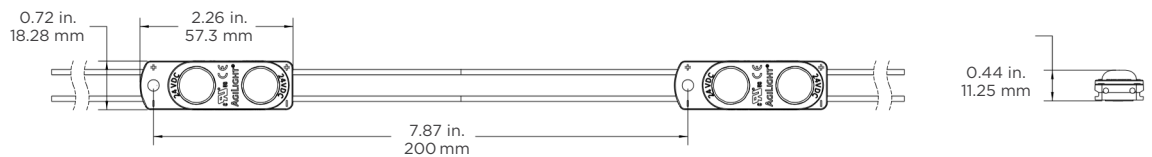
Channel Depth (mm)	Single Row		Multiple Rows	
	Max. Stroke	Module Spacing	Row Spacing	Module Spacing
40	100	90	80	90
50	125	110	100	110
75	180	160	150	160
100	250	200	200	200
125	300	200	250	200

*Module spacing is defined to achieve minimum 600 lux at sign face (7328 white)
**Modules are staggered

SHIPPING INFORMATION

Module Type	Specs	Packaging Quantity			Carton Weight	Box Dimensions			Carton Dimensions			
		Per Bag	Per Box	Per Carton		W	D	H	W	D	H	
AP-AGL-PPHO-[CCT]	Modules	100	600	1200	inch	13.8	9.8	9.1	20.5	14.6	10.2	
	Feet	65.6	393.7	787.4		mm	350	250	230	520	370	260
	Meters	20	120	240								

DIMENSION DRAWING



1. UL ONLY - These products are only suitable for connection to a UL rated Class 2 power source rated 24 Volt.
2. UL ONLY - These products are intended for use only when connected to a power source that complies with UL rated Class 2 voltage and energy limited circuit.
3. UL ONLY - When these units are connected to a UL rated Class 2 circuit, they are not to draw a total wattage of greater than the secondary or output rating of the UL rated Class 2 power supply.
4. These products may be secured in place in the end product by any means available.
5. These products are suitable for use in dry, damp, and wet locations. Not suitable for submersed applications.



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