



Catalog Number	
Project	Type

FEATURES & SPECIFICATIONS

APPLICATION — The high performance luminaire is designed for billboard lighting applications. Long life, low maintenance, and consistent color rendering greatly reduce long term maintenance costs. Areas with limited accessibility due to fixture location or where heavy pedestrian or vehicle traffic makes maintenance difficult will see continued benefit using the ADV Series.

CONSTRUCTION — The heavy duty housing is constructed of die cast aluminum. The molded and contoured optical assemblies are sealed in place. A tempered glass lens and frame utilizes a silicone gasket for weather tight protection.

FINISH — A Super Durable Polyester powder coat finish is electrostatically applied in our state of the art paint facility. Standard colors available: Black, Bronze, US Green, White. Custom colors available upon request.

OPTICAL SYSTEM — Available in a 5000K Cool White (+/- 500K) color temperature. 70 CRI LED's. Propagated with Cree XHP-50 LED's or equivalent. Consult factory for the availability of additional color temperature and CRI LED's. High reflectance molded acrylic vacuum metallized optics were designed to work in tandem to efficiently distribute light over the face of a billboard or sign with minimal light spillage.

ELECTRICAL SYSTEM — Available with 90-300V 50/60 Hz Class II power supply. LED's rated over 50,000 hours (TM21 Calculated L70 pending) at 25°C ambient temperature with 700, 1050, and 1400mA operation. Lumen Maintenance >97% at 50K hrs. 347V and 480V input options available² (remote enclosure may be necessary). Fixture provided with integral 10kV surge protection that meets IEEE C62.42.2-2002. Built-in Active PFC Function. LED Power Supply conforms to UL1310 Class 2 and UL8750 standards and is IP67 rated for wet locations.

MOUNTING⁴ — Standard mounting option is designed to slipfit onto 1-1/4" Nominal Pipe (1.660" Dia.) or 1-1/2" square tubing. ADV spliffiter clamps via u-clamp and/or set screws to either type of arm to provide correct offset. Custom mounting options may be available. Consult factory for additional information. Typical offset is 6' from the sign face and 3' below typical billboard.

LISTINGS — LED Power Supply listed for wet locations (IP67). Fixture is IP66 rated. ETL listed. Meets US and Canadian safety standards. -40°C to 40°C ambient operation. RoHS Compliant.

WARRANTY — The complete luminaire is covered by a 5-year limited warranty.

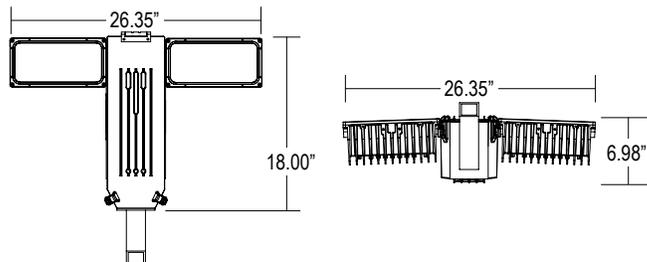


ORDERING INFORMATION

Choose the bold face options for the appropriate luminaire configuration for your application and enter on the line above each fixture attribute. Accessories may be factory installed, depending on the particular accessory chosen, but still be ordered as a separate line item.

Series	LED Modules	Color Temp	Mounting	Optics	Drive Current	Voltage	Finish
ADV	2 2 Modules	C Cool White (5000K, 70 CRI)	1 Pipe Clamp for 1-1/4 pipe or 1-1/2 square tube	B1 Billboard	C 700mA Driver D 1050mA Driver F 1400mA Driver	1 Multi-Volt ¹	BK Black BZ Bronze GR US Green WH White SP Special ³

LED Billboard Lighting Platform ADVANTAGE™



Series	Housing Height	Length & Width	EPA
ADV	6.98"	18.00" x 26.35"	1.9

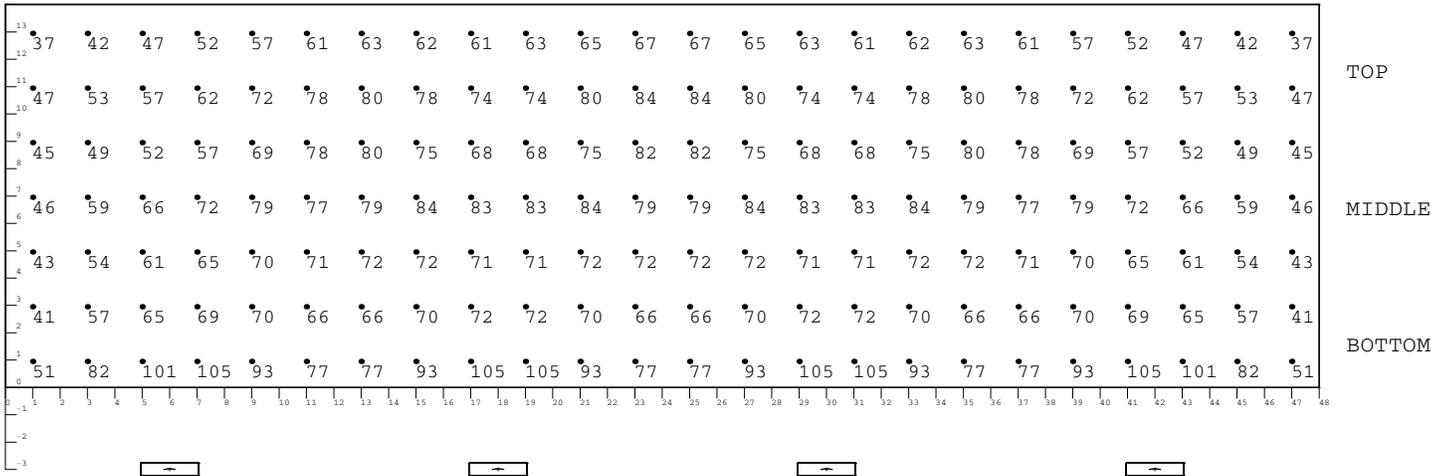
Example: **ADV 2 C 1 B1 F 1 BZ**

NOTES

- Multi-Volt is an auto ranging power supply from 90V to 300V input.
- Remote enclosure may be necessary for 480V and 347V options. Consult factory.
- Custom RAL color matching is available. Contact your Techlight sale representative for additional information.
- Techlight recommends doing an AGI simulation to optimize lighting performance with respect to setback, offset, and spacing of fixtures. To achieve optimal uniformity please provide the signs size and if possible an artwork photo for best rendering of color.

PHOTOMETRICS

Fixtures Mounted 6' Away, 3' Below (14' x 48' Billboard)



Luminaire Schedule				
Symbol	Qty	Arrangement	Description	Lum. Watts
⌈	4	SINGLE	ADV-2-C-1-B1-F-1	142

Numeric Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
WHOLE BILLBOARD	Illuminance	Fc	69.55	105	37	1.88	2.84

LUMINAIRE CHARACTERISTICS

Energy Analysis - 2 Modules, 1400mA

Input Voltage	90V~300V
System Input Power	142 Watts ¹
Delivered Lumen Output	16,068 Lumens
Efficacy	113 LPW
CCT	5000 Kelvin
CRI	70
Life Time Rating	≥50,000 hrs @ L70
Input Frequency	50/60 Hz
Power Factor	>0.9
Operating Temp	-40°C to 40°C ambient

Fixture Analysis

Dimensions	6.98" x 18.00" x 26.35"
Mounting	1-1/4 round or 1-1/2 square pipe
Weight	22 lbs
Warranty	5-Year Limited

NOTES

¹ Actual wattage may differ by ±5% while operating 120/277V ±10%.



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