

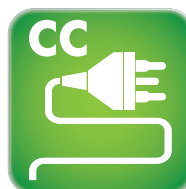
Global Color
Consistency



Waterproof
Encapsulation



Advanced
Optics



Ordering Information

Part Number	White Color Temperature	Module to Module Spacing		Number of Modules		Nominal Light Output (lm)*	
				per Foot	per Meter	per Module	per Meter
LS-BOX600-DLW-1B4	Daylight White	16"	406.4mm	0.75	2.5	600	1500
LS-BOX600-57K-1B4	5700K	16"	406.4mm	0.75	2.5	600	1500
LS-BOX600-50K-1B4	5000K	16"	406.4mm	0.75	2.5	550	1375
LS-BOX600-41K-1B4	4100K	16"	406.4mm	0.75	2.5	550	1375
LS-BOX600-30K-1B4	3000K	16"	406.4mm	0.75	2.5	450	1125
LS-BOX600-27K-1B4	2700K	16"	406.4mm	0.75	2.5	450	1125

Note: DayLight White replaces T12 DL HO Fluorescent Lamps.
4100K White replaces T12 CW HO Fluorescent Lamps

*±10%

Product Ratings

Luminous Efficacy	91 lm/W (DLW Color)
Wattage per Module	6.62 W (Max. 7.25W)
Input Current per Module	2.1 A DC
Ingress Protection	IP68 (Module) IP67 (Wire Connectors)
Operating Temperature	-40°C to +60°C (-40°F to +140°F)
L70 Lifetime	50,000 hours
Warranty	5 Year limited*

* Altering the product in any way voids the warranty.

Population Density Guide ¹

Box Sign Depth (inch / mm)	Multiple Row (inch / mm)
7 / 180	16-18 / 406-457
8 / 200	18-24 / 457-610
9 / 230	21-24 / 533-610
10 / 250	24 / 610

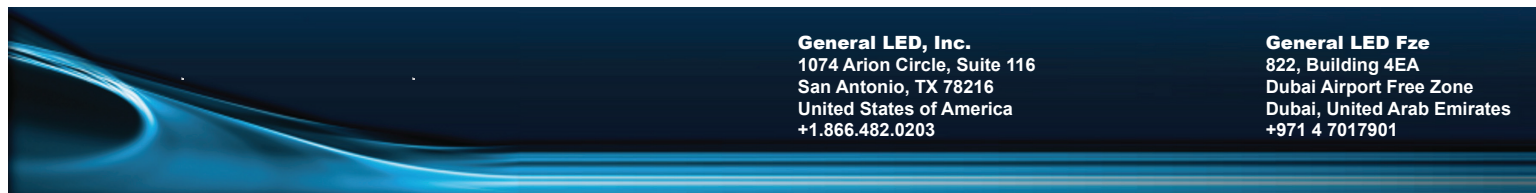
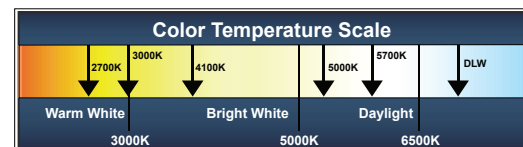
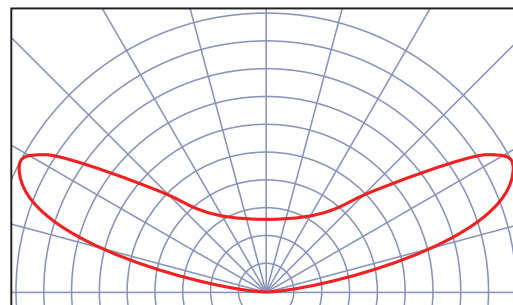
¹ Modules are spaced with wires at full stretch, unless noted otherwise.

7328 White Acrylic was used for testing the face light uniformity; other face materials may vary the module and row spacing to achieve the same face light uniformity and brightness.

Applications

- Cabinet Signs
- Cloud Signs
- Accent Lighting

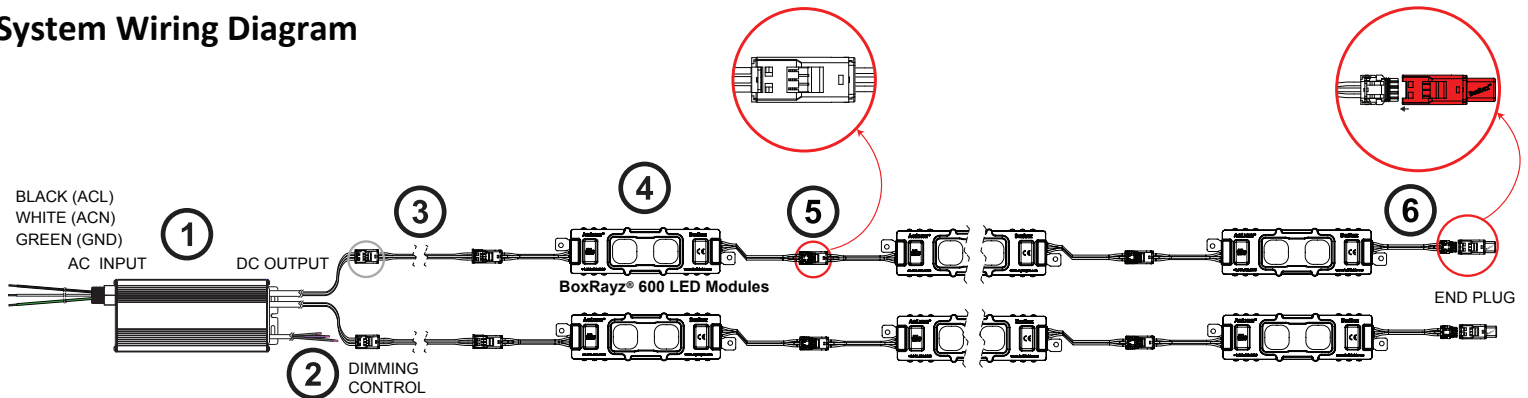
Luminous Intensity Distribution B4 Batwing Beam Pattern



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System Wiring Diagram



System Component List

1. Class 2 Constant Current power supply 2.1A (PS1050-150W), dual output channels
2. 0-10V dimming control input
3. Jumper Cables between power supply and LED module string
4. BoxRayz® 600 LED modules
5. One-way plug-receptacle connectors
6. Endplug for closing the electrical connection loop

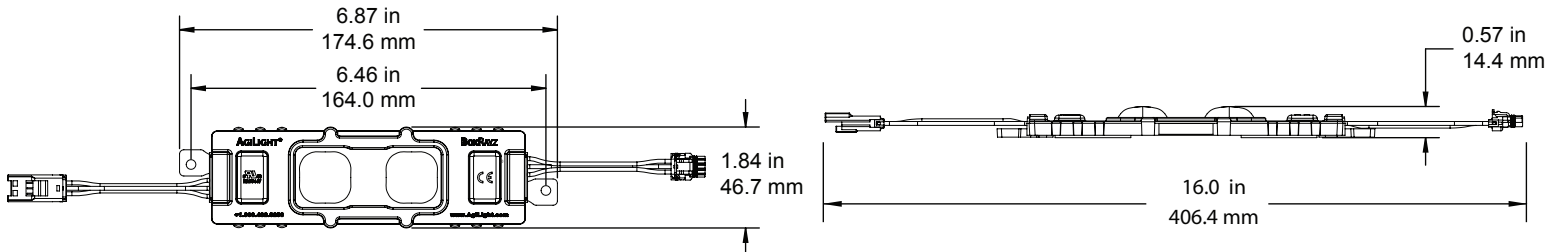
Plug-and-Play Interconnections

1. No more wire cutting during installation
 - Each LED module has its own set of connectors
 - Power supply, 18" and 36" jumper cables have matching connectors
2. Safe Electrical Interconnections
 - One-way connectors guarantee correct electrical connections
 - Waterproof, IP67 rating on all connector-to-wire packaging

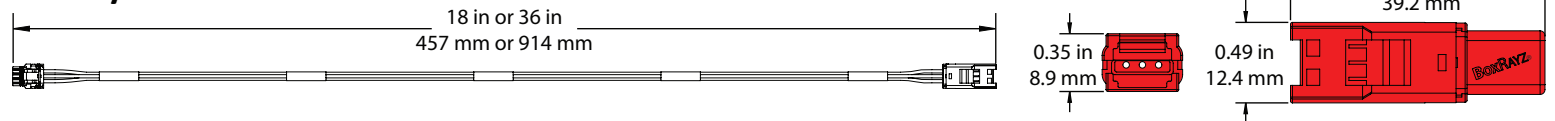
Power Supply Load Chart

Power Supply	Output Voltage	# of Modules/ Power Supply	
		Single Channel Usage	Double Channel Usage
PS1050-150W-100-277-20	19-36V	7 to 10	(6 to 10)/Channel (12 to 20) Total

Module Dimensions



BoxRayz® Accessories



Part Number	Name	Wire Gauge	IP Rating	Connector Type	Box Quantity	Box Dimensions
AC-EPLG-00-3-BOXZ-1	LED String End Plug	N/A	IP67	1 Plug	1000 units/ box	(15.7 x 9.4 x 9.4)in (398 x 240 x 238)mm
AC-JUMP-18-3-BOXZ-1	18" jumper cable	22	IP67	1 Plug and 1 Receptacle	500 units/ box	(11.6 x 9.6 x 6.6)in (295 x 245 x 167)mm
AC-JUMP-36-3-BOXZ-1	36" jumper cable	22	IP67	1 Plug and 1 Receptacle	250 units/ box	(11.6 x 9.6 x 6.6)in (295 x 245 x 167)mm

BoxRayz® 600 Shipping Information

Model	SKU (Module)	Tray Quantity SKUs	Box Quantity SKUs	Case Quantity SKUs	Case Weight	Box Dimensions			Case Dimensions		
						W	D	H	W	D	H
LS-BOX600-XXX-1B4	1	10	50	200	50.0 lb 22.7 kg	20.4"	13.4"	4.3"	21.3"	19.7"	14.4"
						518mm	340mm	110mm	540mm	500mm	365mm



1. These products are only suitable for connection to a Class 2 constant current power source.
2. These products are intended for use only when connected to a power source that complies with Class 2 voltage and energy limited circuit.
3. When these units are connected to a Class 2 circuit, they are not to draw a total wattage of greater than the secondary or output rating of the Class 2 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.