

EQUIFLUX® 1055 LED DISPLAY GRAPHICS LIGHT

SPECIFICATION SHEET

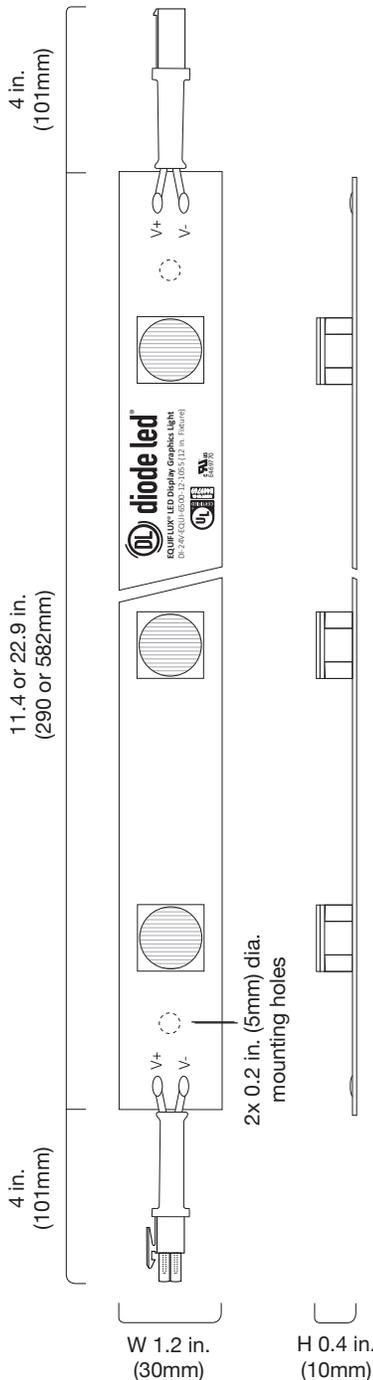
- Retail Display
- Trade Show Display
- Point of Purchase
- Indoor Signs
- Light Boxes



SPECIFICATIONS

Input Voltage: 24VDC Constant Voltage
Power Consumption / ft.: 9.4W
LED Chip Type: OSRAM OLSON Square®
LED Chip Beam Angle: 10° x 55°
LED Chip Spacing: 3.75 in.
LED Chips / ft.: 3
PCB Type: Metal Rigid PCB
Mounting: 2 mounting holes (5mm diameter)
 Mounting hardware included. **Bars must be mounted to a metal surface.**
Field Cuttable: No
Maximum Run ¹: 9 fixtures (12 in.) 4 fixtures (24 in.)
Connections: Male Molex one end. Female Molex opposing end. Lead wire AWM UL 2464 20AWG, 4 in. length.

Dimmable: No
Ambient Temp ²: -4 ~ 105°F (-20 ~ 40°C)
Operating Temp ³: -4 ~ 122°F (-20 ~ 50°C)
Environment ⁴: Indoor / dry location
Dimensions: 11.4 x 1.2 x 0.4 in. (L x W x H)
 22.9 x 1.2 x 0.4 in. (L x W x H)
Certifications: UL Listed 2108. UL 1598 / CSA 250.0-08, UL 8750. UL 879 / CAN/CSA-C22.2 no. 207-M89. E469769 (UL Listed), E469770 (SAM Manual).
Included Items: Pair of male/female Molex splice connectors (3in.), 2 slot-mounted compression screws with brackets, 2 nylon pop-in fasteners, 2 nylon washers.



Item #	CCT (Kelvin)	Lumens / ft. ⁵	CRI	Efficacy (lm/W) ⁶
DI-24V-EQUI-6500-12-1055	6500K	686	69	76.2
DI-24V-EQUI-6500-24-1055	6500K	1371	69	76.2

- Note ¹** Each maximum run requires a dedicated power feed from the driver. DO NOT extend beyond the recommended maximum run length. If combining fixtures of different lengths, ensure not to exceed 90W in series.
Note ² Do not install product in an environment outside the listed ambient temperature. Ensure adequate airflow and heatsinking is considered when mounting/installing. Exceeding the maximum ambient temperature may damage LED chips by reducing the total lamp life, lumen output, and/or adversely impact color consistency.
Note ³ Operating temperature is measured according to the minimum and maximum ambient temperature environment.
Note ⁴ Do not install in environment where LED chips are exposed to direct sunlight as damage to the phosphor will occur.
Note ⁵ Lumen value measured in accordance to IES LM-79-08. LED chips have a luminous flux range with a tolerance of +/- 5%.
Note ⁶ Actual efficacy value is dependent to specified LED driver (power supply). An estimated efficacy value has been provided and calculated as follows: Lumen value (measured in accordance to IES LM-79-08) divided by average power consumption per foot.

Item #:		Project:	
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MOUNTING

Utilize the included slot-mounted compression screws (2x per fixture) to mount the bar directly to an aluminium framing system.

Utilize the included nylon pop-in fasteners (2x per fixture) with the aluminium channels for fabric tension displays

If using your own hardware, utilize included nylon washers to prevent metal screw heads from damaging the EQUIFLUX circuit board.



(metal screw not included)



Aluminum framing system
(not included)

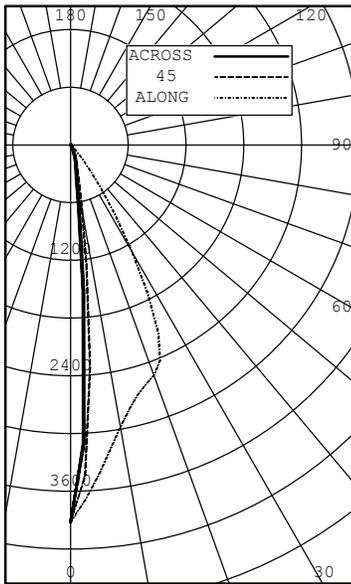
ACCESSORIES*

Item #	Type	Description	Image
DI-EQFX-PB1-EXT 1 ft. DI-EQFX-PB4-EXT 4 ft. DI-EQFX-PB8-EXT 8 ft.	EQUIFLUX Power-to-Bar Adapter Cable	DC to Male Molex adapter attaches fixture directly to plug-in adapter. Available in 1ft., 4ft. and 8 ft. lengths. Wire: 18/2AWG. 0.5 x 0.3 in. (W x H)	
DI-EQFX-BB1-EXT 1 ft. DI-EQFX-BB4-EXT 4 ft. DI-EQFX-BB8-EXT 8 ft.	EQUIFLUX Bar-to-Bar Extension Cable	Male Molex to Female Molex extension cable. Available in 1ft., 4ft., and 8ft. lengths. Wire: 18/2AWG. 0.5 x 0.3 in. (W x H)	
DI-PA-24V12W-B Black DI-PA-24V12W-W White	24V 12W Plug-In Adapter	24VDC 12W plug-in LED driver. 1.75 x 1.4 x 2.35 in. (L x D x H)	
DI-PA-24V24W-B Black DI-PA-24V24W-W White	24V 24W Plug-In Adapter	24VDC 24W plug-in LED driver. 1.75 x 1.4 x 3.8 in. (L x D x H)	
DI-0967 Black DI-PA-24V48W-W White	24V 48W Plug-In Adapter	24VDC 48W plug-in LED driver. 4.7 x 2 x 1.25 in. (L x W x H)	
DI-0955 Black DI-PA-24V96W-W White	24V 96W Plug-In Adapter	24VDC 96W plug-in LED driver. (Black): 4.7 x 2 x 1.25 in. (L x W x H) (White): 6.8 x 1.6 x 2.52 in. (L x W x H)	
DI-EQUI-FAS-AP 10pk	EQUIFLUX Pop-In Fasteners	Nylon pop-in fasteners pack of 10.	

* Accessories sold separately. All accessories have a Class 2 amp rating: 60W/5A @ 12VDC; 100W/4.17A @ 24VDC. For additional DC plug accessories including power splitters etc. see the 'DC Accessories Specification Sheet'.

12 in. EQUIFLUX™
EL-24V-EQUI-6500-12-1055

POLAR CANDELA DISTRIBUTION GRAPH



INTENSITY (CANDLEPOWER) SUMMARY
BEAM SIDE

ANGLE	ALONG	22.5	45	67.5	ACROSS
0	3918	3918	3918	3918	3918
5	3430	3134	2314	1734	1527
10	2978	1846	680	426	369
15	2692	900	285	230	214
20	2542	432	175	145	128
25	2157	217	114	77	67
30	1271	116	71	47	41
35	542	72	43	31	27
40	187	47	30	23	20
45	66	30	21	18	18
50	27	20	16	15	15
55	17	14	12	12	12
60	14	11	10	9	9
65	12	9	8	7	7
70	10	7	6	6	5
75	7	5	5	4	3
80	4	3	3	2	2
85	2	1	1	1	0
90	0	0	0	0	0

ZONAL LUMENS AND PERCENTAGES

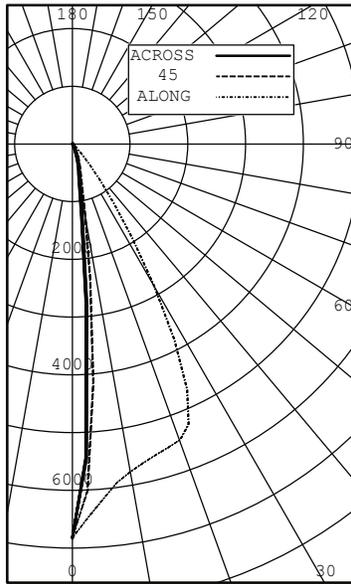
ZONE	LUMENS	% LUMINAIRE
0-30	564	82.27
0-40	636	92.76
0-60	671	97.86
0-90	686	100.00
40-90	50	7.24
60-90	15	2.14
90-180	0	0.00
0-180	686	100.00

Cone Of Light Tabulation

Mounting Height (Feet)	Footcandles at Nadir	Diameter (Feet)
4.00	247	0.876
6.00	110	1.31
8.00	61.8	1.75
10.00	39.6	2.19
12.00	27.5	2.63
14.00	20.2	3.06
16.00	15.5	3.50

24 in. EQUIFLUX™
EL-24V-EQUI-6500-24-1055

POLAR CANDELA DISTRIBUTION GRAPH



INTENSITY (CANDLEPOWER) SUMMARY
BEAM SIDE

ANGLE	ALONG	22.5	45	67.5	ACROSS
0	6820	6820	6820	6820	6820
5	6169	5663	4142	3134	2771
10	5769	3468	1294	817	716
15	5581	1769	564	473	429
20	5454	839	361	264	218
25	4698	421	228	128	109
30	2829	239	134	78	66
35	1245	154	79	54	47
40	465	98	54	43	40
45	159	62	40	35	38
50	57	40	31	31	32
55	33	28	24	24	25
60	27	22	20	19	18
65	24	18	16	15	14
70	22	15	12	11	10
75	14	11	10	8	7
80	10	8	7	5	4
85	6	4	4	2	1
90	0	0	0	0	0

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-30	1111	81.05
0-40	1266	92.39
0-60	1340	97.74
0-90	1371	100.00
40-90	104	7.61
60-90	31	2.26
90-180	0	0.00
0-180	1371	100.00

Cone Of Light Tabulation

Mounting Height (Feet)	Footcandles at Nadir	Diameter (Feet)
4.00	431	0.921
6.00	192	1.38
8.00	108	1.84
10.00	69.0	2.30
12.00	47.9	2.76
14.00	35.2	3.22
16.00	26.9	3.68

* Photometric data complies with LM-79-08, ANSI C82.77-02.

ADDITIONAL RESOURCES

Visit the online product page at www.DiodeLED.com for additional resources including:

- **DIODE LED Installation Guide**
For system diagrams and full installation instructions.
- **Voltage Drop Charts**
Use to specify appropriate wire gauge for installation. Available at the 'Tools & Resources' page at www.DiodeLED.com.

SAFETY & DISCLOSURES

- Install in accordance with the National Electric Code and local regulations.
- This product is intended to be installed and serviced by a qualified, licensed electrician.
- This product must be mounted to a metal surface for proper heat dissipation.
- This product requires a compatible LED driver for proper configuration. Do not connect directly to high voltage 120–277V AC power.
- The UL Listing of this product requires the fixture to be powered with a compatible Class 2 DC constant voltage LED driver (power supply).
- It is generally recommended to load the driver no more than 80% the labeled rating for maximum performance and longevity. However, see each driver specification sheet for exact minimum and maximum loading values.
- Do not install product in an environment outside the listed ambient temperature. Ensure adequate airflow and heatsinking is considered when mounting/installing.
- Operating temperature is measured according to the minimum and maximum ambient temperature environment. Exceeding the maximum operating temperature may damage LED chips by reducing the total lamp life, lumen output, and/or adversely impact color consistency.
- Ensure adequate airflow and heatsinking is considered when mounting/installing. Exceeding the maximum operating temperature may damage LED chips by reducing the total lamp life, lumen output, and/or adversely impact color consistency.
- Each maximum run requires a dedicated power feed from the driver. Do not extend beyond the recommended maximum run length.
- Ensure applicable wire is installed between driver, fixture, and any controls in-between. When choosing wire, factor in voltage drop, amperage rating, and type (in-wall rated, wet location rated, etc.). Inadequate wire installation could overheat wires, and cause fire.
- 'Voltage drop' is a gradual decrease in voltage along a conductor through which current is flowing. When specifying an LED system, ensure to calculate voltage drop appropriately. Voltage drop calculators will suggest the proper gauge wire and distance to install the driver from the fixture. To meet maximum performance, the beginning of the tape light should be receiving no less than 3% of input power rating.
- All fixture accessories including EQUIFLUX™ connectors, DC connections, etc. have a Class 2 amperage rating unless otherwise noted (60W/5A @ 12V DC; 100W/4.17A @ 24V DC).
- Actual color may vary from what is pictured on this sheet and other print materials due to the limitations of photographic processes.
- Lighting technology has some amount of gradual light degradation (output and/or color) over the lifespan of the products. Diode LED products are designed to minimize degradation, but some light degradation and color shift is a normal part of the life span of any LED lighting system.
- We reserve the right to modify and improve the design of our fixtures without prior notice. We cannot guarantee to match existing installed fixtures for subsequent orders or replacements in regards to product appearance, CCT, or lumen output.

WARRANTY INFORMATION

Limited Warranty

This LED fixture has a five (5) year limited warranty from the date of shipment. This warranty does not include the additional accessories referenced in this specification sheet. Complete warranty details for fixtures and additional accessories are available at www.DiodeLED.com under the 'Tools & Resources' tab. For warranty related questions, please contact customer service.

Consumer's Acknowledgment

Diode LED stands behind its products when they are used properly and according to our specifications. By purchasing our products, the purchaser agrees and acknowledges that lighting design, configuration and installation is a complex process, wherein seemingly minor factors or changes in layout and in-field adjustments can have a significant impact on an entire system. Choosing the right components is essential. Diode LED is able to work with the original purchaser to make an appropriate product selection to the extent of the limited information that the customer can provide, but it is virtually impossible for Diode LED to design a system that foresees every unknown factor. For this reason, this Warranty does not cover problems caused by improper design, configuration or installation issues. Any statement from a Diode LED employee or agent regarding a customer's bill of goods and/or purchase order is NOT an acknowledgment that the products purchased are designed and configured correctly. The purchaser agrees and acknowledges that it is the customer's responsibility to adhere strictly to all information contained in the Product Specification Sheets.

There is often more than one way to design, configure and layout an LED lighting application properly to achieve the same lighting effect. Diode LED strongly recommends that licensed professionals be used in the design and installation of lighting systems that include Diode LED products. The specifications include important information that a designer and installer should carefully review and strictly follow. Qualified designers and certified and/or licensed installers, with access to the final installation environment, customer goals, and Diode LED product specifications can make the requisite decisions appropriate for a successful finished lighting application.



Toll Free: 877.817.6028 | Fax: 415.592.1596 | www.DiodeLED.com | info@DiodeLED.com
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