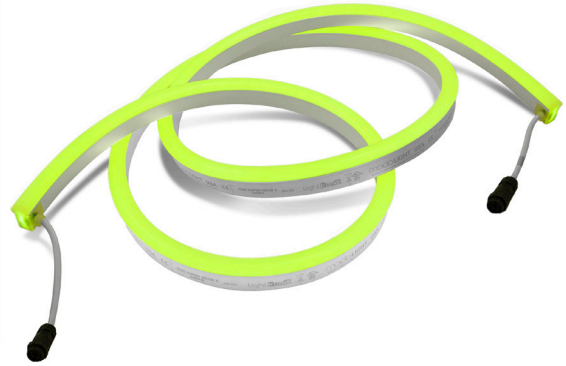
moda LIGHT®

SPECIFICATION

SUPER NEON X® EDGE EXTERIOR RGB

Create Unlimited Runs of Continuous Solid Lines of Light

A complete lighting solution that offers a low profile which easily bends along its line of light (opposite bend to RGB Super Neon X Dome & Flat). Ultra flexible, bends easily, free from any form of shape memory. Create endless contours, forms, lines, curves and shapes of powerful solid light. Transparent ends allow for unlimited run lengths, combined with integral "No Tool" connectors and simple leader/jumper cables. UV protected, IP67 Wet Location Rated.



OUTPUT

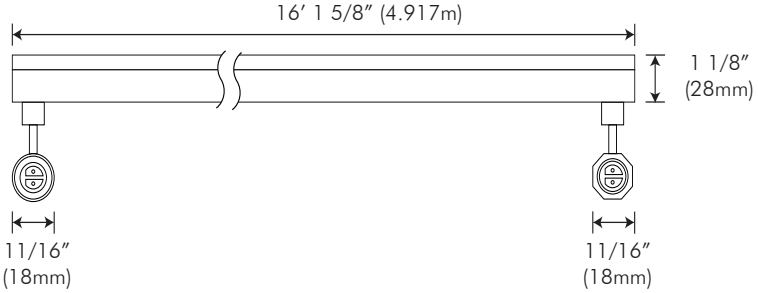
Delivered Lumens	143.01 lm (1ft) 570.04 lm (4ft) 1142.08 lm (8ft) 2125.15 lm (16ft)
CCT & SDMC	10883K - Full RGB
Chromaticity Coordinates	x: 0.2626 y: 0.3062 u: 0.1708 v: 0.4482
Color Bin Tolerance	N/A
Efficacy (lm/W)	35.75
CRI	N/A
Lumen Maintenance	70,000 Hours L70 @ 25°C 90,000 Hours L50 @ 25°C 50,000 Hours L70 @ 50°C 70,000 Hours L50 @ 50°C
Testing Data	Light Data LM-79-08 & LM-80-08

PHYSICAL

Applications	Accent Linear / Curved Surfaces, Architectural Highlights
Dimensions	Length: 1′ 11 1/8″ (333mm) 4′ 1 1/4″ (1.250m) 7′ 11 1/8″ (2.417m) 16′ 1 5/8″ (4.917m) Width: 7/16″ (11mm) Height: 7/8″ (21mm)
Weight	4.8oz (136g) (1ft) 19.2oz (544g) (4ft) 38.4oz (1,089g) (8ft) 72oz (2,041g) (16ft)
Construction	UV Resistant Tough White Flexible PVC
Thermal Management	Cool to Touch, Free Air Convection
Optics	N/A
Fixture Connections	Male and Female Barrel Connectors
Operating Temperature	-4°F ~ 113°F (-20°C ~ 45°C)
Storage Temperature	-4°F ~ 122°F (-20°C ~ 50°C)
Humidity	0-95% Non Condensing

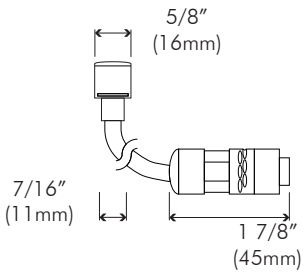
DIMENSIONS

1′ 1 1/8″ (333mm)
4′ 1 1/4″ (1.250m)
7′ 11 1/8″ (2.417m)
16′ 1 5/8″ (4.917m)



Cutting increments every 3 1/4″ (83.3mm).
See Custom Fixtures Chart - Page 6.
Contact MODA for further information.

CONNECTOR DIMENSIONS



ELECTRICAL

Input Voltage	24V DC
Power Consumption	4W (0.167A) (1ft) 16W (0.668A) (4ft) 32W (1.336A) (8ft) 64W (2.67A) (16ft)
Power Factor	≤ 1
Control	DMX 512 Controlled

STANDARDS & CERTIFICATIONS

c UL us CE RoHS✓ LM 79 LM 80 3 YEAR WARRANTY Meets ASHRAE standards

Certification	Tested to UL & CSA by ETL For Use in USA & CANADA, Complies with California Title 24 Requirements, Lighting Facts. Exceeds ANSI C78.377A, CE & RoHS Compliant.
Class	3
Environment	Wet Location - IP67
Warranty	3 Year Limited Warranty

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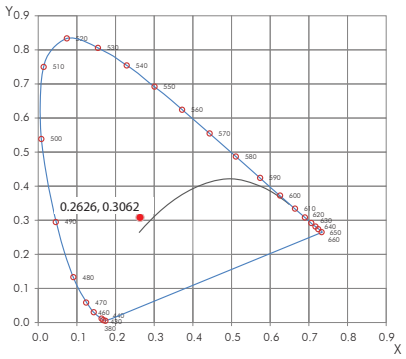
PHOTOMETRICS

Rf 49.51 **Rg** 95.56 **CQS** 54.23

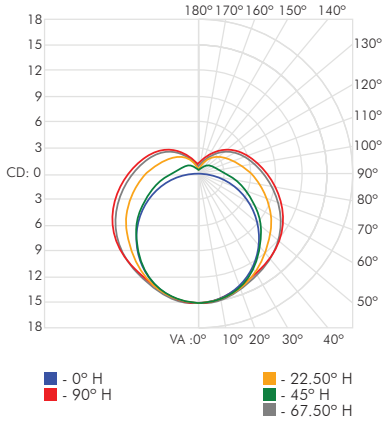
CIE 1931 CHROMATICITY DIAGRAM



LUMINANCE DATA (cd/sq.m)

Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5363	4011	3925
55	5128	3868	3850
65	4824	3773	3850
75	4484	3817	3848
85	4616	3984	3999

POLAR CANDELA DISTRIBUTION



RGB 1FT

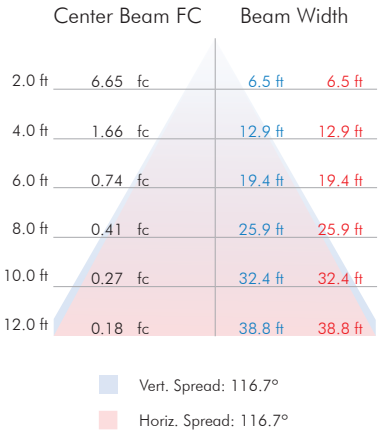
ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt
0-30	20.45	N.A.	14.30%
0-40	34.32	N.A.	24.00%
0-60	65.93	N.A.	46.10%
60-90	29.17	N.A.	20.40%
0-90	106.97	N.A.	74.80%
90-180	36.04	N.A.	25.20%
0-180	143.01	N.A.	100.00%

LUMENS PER ZONE

Zone	Lumens	% Lamp	% Fixt
0-10	2.45	N.A.	1.71%
10-20	7.09	N.A.	4.96%
20-30	10.98	N.A.	7.68%
30-40	13.81	N.A.	9.66%
40-50	15.51	N.A.	10.85%
50-60	16.02	N.A.	11.20%
60-70	15.37	N.A.	10.75%
70-80	13.84	N.A.	9.68%
80-90	11.86	N.A.	8.29%
90-100	9.82	N.A.	6.87%

ILLUMINANCE AT A DISTANCE



RGB 4FT

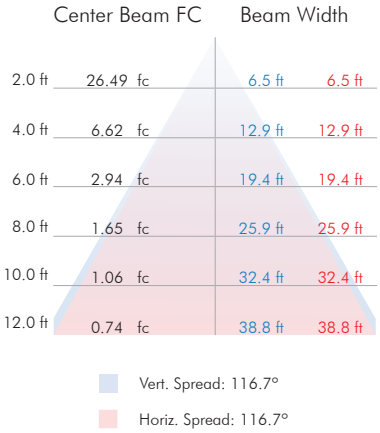
ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt
0-30	81.52	N.A.	14.30%
0-40	136.81	N.A.	24.00%
0-60	262.79	N.A.	46.10%
60-90	116.29	N.A.	20.40%
0-90	426.39	N.A.	74.80%
90-180	143.65	N.A.	25.20%
0-180	570.04	N.A.	100.00%

LUMENS PER ZONE

Zone	Lumens	% Lamp	% Fixt
0-10	9.75	N.A.	1.71%
10-20	28.27	N.A.	4.96%
20-30	43.78	N.A.	7.68%
30-40	55.07	N.A.	9.66%
40-50	61.85	N.A.	10.85%
50-60	63.84	N.A.	11.20%
60-70	61.28	N.A.	10.75%
70-80	55.18	N.A.	9.68%
80-90	47.26	N.A.	8.29%
90-100	39.16	N.A.	6.87%

ILLUMINANCE AT A DISTANCE



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RGB 8FT

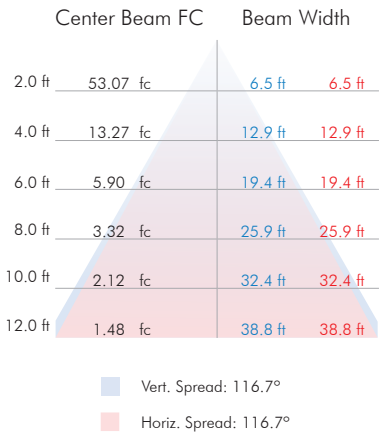
ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt
0-30	163.32	N.A.	14.30%
0-40	274.10	N.A.	24.00%
0-60	526.50	N.A.	46.10%
60-90	232.98	N.A.	20.40%
0-90	854.28	N.A.	74.80%
90-180	287.80	N.A.	25.20%
0-180	1142.08	N.A.	100.00%

LUMENS PER ZONE

Zone	Lumens	% Lamp	% Fixt
0-10	19.53	N.A.	1.71%
10-20	56.65	N.A.	4.96%
20-30	87.71	N.A.	7.68%
30-40	110.32	N.A.	9.66%
40-50	123.92	N.A.	10.85%
50-60	127.91	N.A.	11.20%
60-70	122.77	N.A.	10.75%
70-80	110.55	N.A.	9.68%
80-90	94.68	N.A.	8.29%
90-100	78.46	N.A.	6.87%

ILLUMINANCE AT A DISTANCE



RGB 16FT

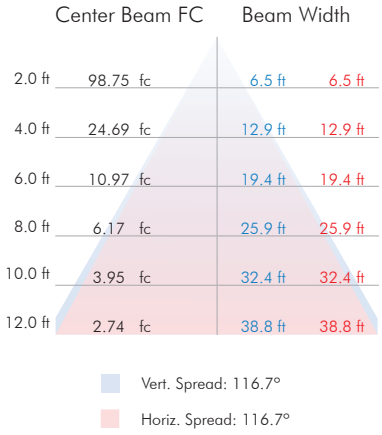
ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt
0-30	303.90	N.A.	14.30%
0-40	510.04	N.A.	24.00%
0-60	979.69	N.A.	46.10%
60-90	433.53	N.A.	20.40%
0-90	1589.61	N.A.	74.80%
90-180	535.54	N.A.	25.20%
0-180	2125.15	N.A.	100.00%

LUMENS PER ZONE

Zone	Lumens	% Lamp	% Fixt
0-10	36.34	N.A.	1.71%
10-20	105.41	N.A.	4.96%
20-30	163.21	N.A.	7.68%
30-40	205.29	N.A.	9.66%
40-50	230.58	N.A.	10.85%
50-60	238.02	N.A.	11.20%
60-70	228.45	N.A.	10.75%
70-80	205.71	N.A.	9.68%
80-90	176.17	N.A.	8.29%
90-100	146.00	N.A.	6.87%

ILLUMINANCE AT A DISTANCE



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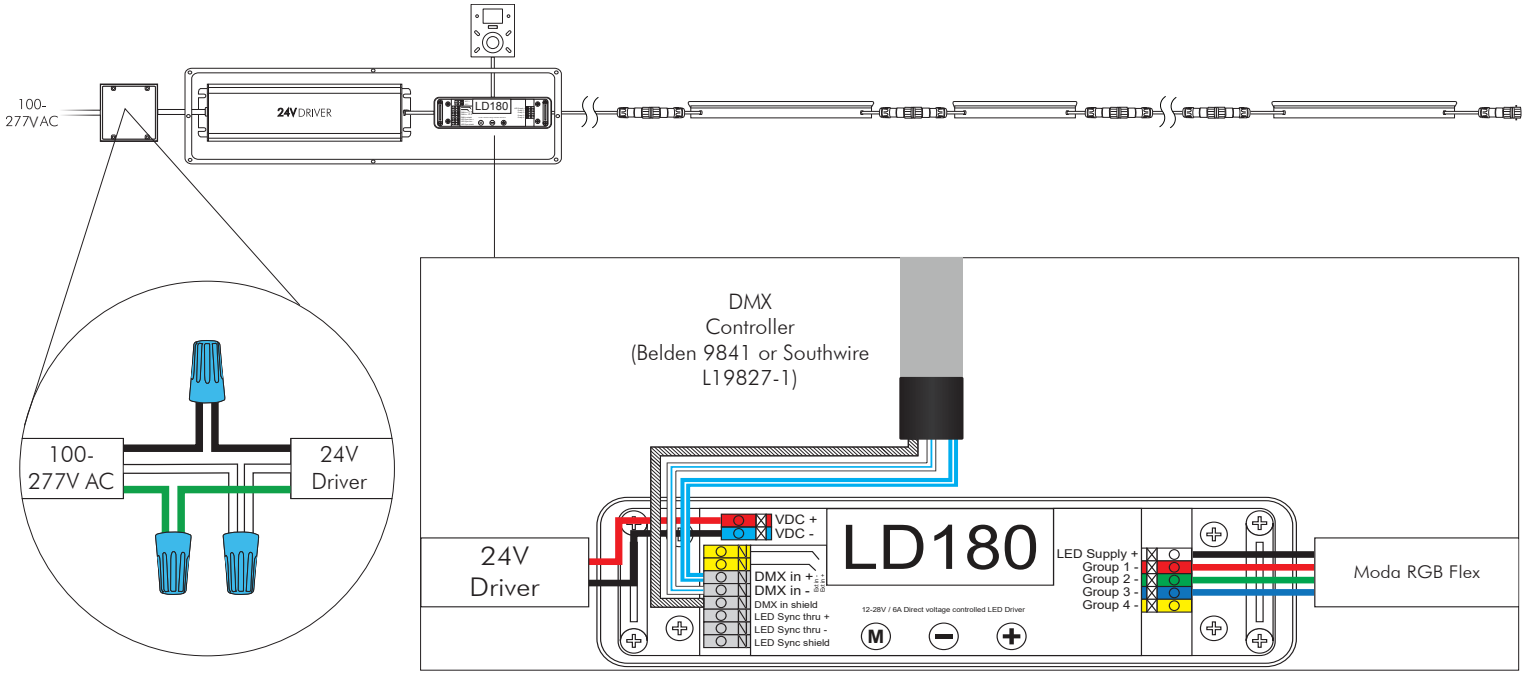
WIRING

Single Run DMX Wiring



WIRING LEGEND

Power (100-277V AC)
Power Positive
Power Negative
Ground

24V Driver
Power Positive
Power Negative

DMX CONTROLLER
Positive
Negative

RGB Leader Cable
24V Positive
Red
Green
Blue

MAX CONTINUOUS RUN

150W Driver	16ft

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SUPER NEON X® EDGE EXTERIOR RGB

FIXTURE	SKU
Super Neon Edge Bottom Feed RGB 1ft	RGB-SNE-BF-1FT
Super Neon Edge Bottom Feed RGB 4ft	RGB-SNE-BF-4FT
Super Neon Edge Bottom Feed RGB 8ft	RGB-SNE-BF-8FT
Super Neon Edge Bottom Feed RGB 16ft	RGB-SNE-BF-16FT
Super Neon Edge Bottom Feed RGB Custom Length	RGB-SNE-BF-Cxxx
(For custom fixtures and ordering codes please see the Custom Fixtures chart on page 6)	

POWER	SKU
24V DC Driver - 100-277V AC Input - Non-Dimmable - 150W - IP67	MP17

ACCESSORIES	SKU
Super Neon 5ft Leader Cable	RGB-SN-LDR-CBL-5FT
Super Neon Jumper Cable 1ft	RGB-SN-JMP-CBL-1FT
Super Neon Terminator (10 Pack)	RGB-SN-T
Super Neon X Clip 1 3/8in	SNX-CLP-S2
Super Neon X Xtrusion 1ft (0.3m)	SNX-XTR-1FT
Super Neon X Xtrusion 3ft 1 1/8in (1.17m)	SNX-XTR-4FT
Super Neon Bendable Xtrusion 3ft 3in (1000mm)	SNE-BXTR-39IN
3M Super Silicone Sealant 3 oz	MRTA62
3M Super Silicone Sealant 1/10 Gal	MRTA62-XL

CONTROLS	DESCRIPTION	PART NUMBER	ORDERING SKU
Kandi-Touch-Black	2 Universe DMX Wall Controller	KND-TCH-B	250-0040
Kandi-Touch-White	2 Universe DMX Wall Controller	KND-TCH-W	250-0041
Linear Drive 180	180W 4 Channel Constant Voltage DMX Interface	LD180	LD180
Shielded Cable 500ft	RS-458 Cable for DMX, 24 AWG stranded TC conductors, polyethylene insulation	BDL-9841-500FT	250-0251
Shielded Cable 1000ft	RS-458 Cable for DMX, 24 AWG stranded TC conductors, polyethylene insulation	BDL-9841-1000FT	250-0252

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CUSTOM FIXTURES

NOTE: OVERALL MAXIMUM RUN 16FT

Feet & Inches	MM	CODE	Feet & Inches	MM	CODE
6 9/16″	167	C001	11′ 5 3/4″	3500	C038
9 13/16″	250	C002	11′ 9″	3583	C039
1′ 1 1/8″	333	Standard	12′ 3/8″	3667	C040
1′ 4 3/8″	417	C003	12′ 3 5/8″	3750	C041
1′ 7 5/8″	500	C004	12′ 6 15/16″	3833	C042
1′ 10 15/16″	583	C005	12′ 10 1/4″	3917	C043
2′ 2 1/4″	667	C006	13′ 1 1/2″	4000	C044
2′ 5 1/2″	750	C007	13′ 4 3/4″	4083	C045
2′ 8 3/4″	833	C008	13′ 8″	4167	C046
3′ 1/16″	917	C009	13′ 11 3/8″	4250	C047
3′ 3 3/8″	1000	C010	14′ 2 5/8″	4333	C048
3′ 6 5/8″	1083	C011	14′ 5 7/8″	4417	C049
3′ 9 15/16″	1167	C012	14′ 9 1/8″	4500	C050
4′ 1 1/4″	1250	Standard	15′ 7/16″	4583	C051
4′ 4 1/2″	1333	C013	15′ 3 3/4″	4667	C052
4′ 7 3/4″	1417	C014	15′ 7″	4750	C053
4′ 9″	1500	C015	15′ 10 1/4″	4833	C054
5′ 2 5/16″	1583	C016	16′ 1 5/8″	4917	Standard
5′ 5 5/8″	1667	C017			
5′ 8 7/8″	1750	C018			
6′ 3/16″	1833	C019			
6′ 3 1/2″	1917	C020			
6′ 6 3/4″	2000	C021			
6′ 10″	2083	C022			
7′ 1 1/4″	2167	C023			
7′ 4 9/16″	2250	C024			
7′ 7 7/8″	2333	C025			
7′ 11 1/8″	2417	Standard			
8′ 2 3/8″	2500	C026			
8′ 5 11/16″	2583	C027			
8′ 9″	2667	C028			
9′ 1/4″	2750	C029			
9′ 3 1/2″	2833	C030			
9′ 6 7/8″	2917	C031			
9′ 10 1/16″	3000	C032			
10′ 1 3/8″	3083	C033			
10′ 4 3/4″	3167	C034			
10′ 8″	3250	C035			
10′ 11 1/4″	3333	C036			
11′ 2 1/2″	3417	C037			

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