

RGB FLATFLEX:

MODA's new ultra low profile flexible lighting solution is just 1/5" (6mm) thick and has all of its components cleverly hidden from view so the flex looks like a lighting fixture. Free from any form of shape memory, easily bends along its line of light giving the specifier a multitude of design options. Using MODA DMX512 controls gives complete control over this product, change colors and adjust brightness down to 0%. Full line of accessories available. MODA Xtrusion®, clips, simple leader and jumper cables. Black, White or Clear finish options. Supplied in contractor ready 150ft (45.7m) reels. UL listed for use in USA & Canada.

OUTPUT

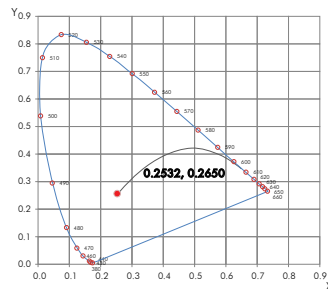
Delivered Lumens	96.45 lm / ft
CCT & SDMC	1850K - Full RGB
Chromaticity Coordinates	x: 0.2532 y: 0.2650 u: 0.1785 v: 0.4204
Color Bin Tolerance	N/A
Efficacy (lm/w)	31.21
CRI	N/A
Lumen Maintenance	70,000 Hours L70 @ 25°C 90,000 Hours L50 @ 25°C 50,000 Hours L70 @ 50°C 70,000 Hours L50 @ 50°C
Testing Data	Light Data LM-79-08 & LM-80-08

ELECTRICAL

Input Voltage	24V DC
Power Consumption	3.09W per ft (0.14A)*
Power Factor	≤ 1
Control	DMX 512

*Varies based on run and driver

CIE 1931 CHROMATICITY DIAGRAM



LUMINANCE DATA (cd/sq.m)

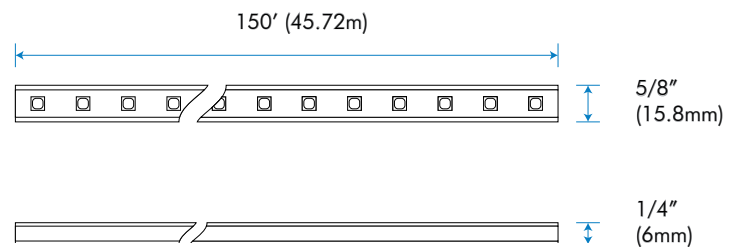
Angle in Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	124425	126934	128063
55	119547	122563	123626
65	110282	112433	113798
75	94450	96421	97149
85	91586	97692	99600



PHYSICAL

Applications	Cove, Kitchen, Cabinet, Furniture, Signage
Dimensions	Length 150' Drum (45.72m) Width 5/8" (15.8mm) Height 1/4" (6mm)
LED Spacing	3/4" (17mm)
Beam Distribution	110°
Cutting Distance	4" (100mm)
Weight	14.3oz (6.48kg) Per Reel
Construction	Tough Polyepoxide UV Protected Body
Thermal Management	N/A
Optics	N/A
Fixture Connections	Push To Fit Connectors
Operating Temperature	-4°F ~ 122°F (-20°C ~ 50°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Humidity	0-95% Non Condensing

DIMENSIONS



MODA TECHNOLOGY

modaBIN™

STANDARDS & CERTIFICATIONS



LM
79

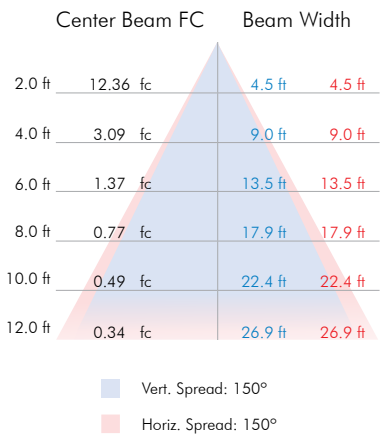
LM
80

5
YEAR
WARRANTY

Project Name:

Notes:

ILLUMINANCE AT A DISTANCE



POLAR CANDELA DISTRIBUTION

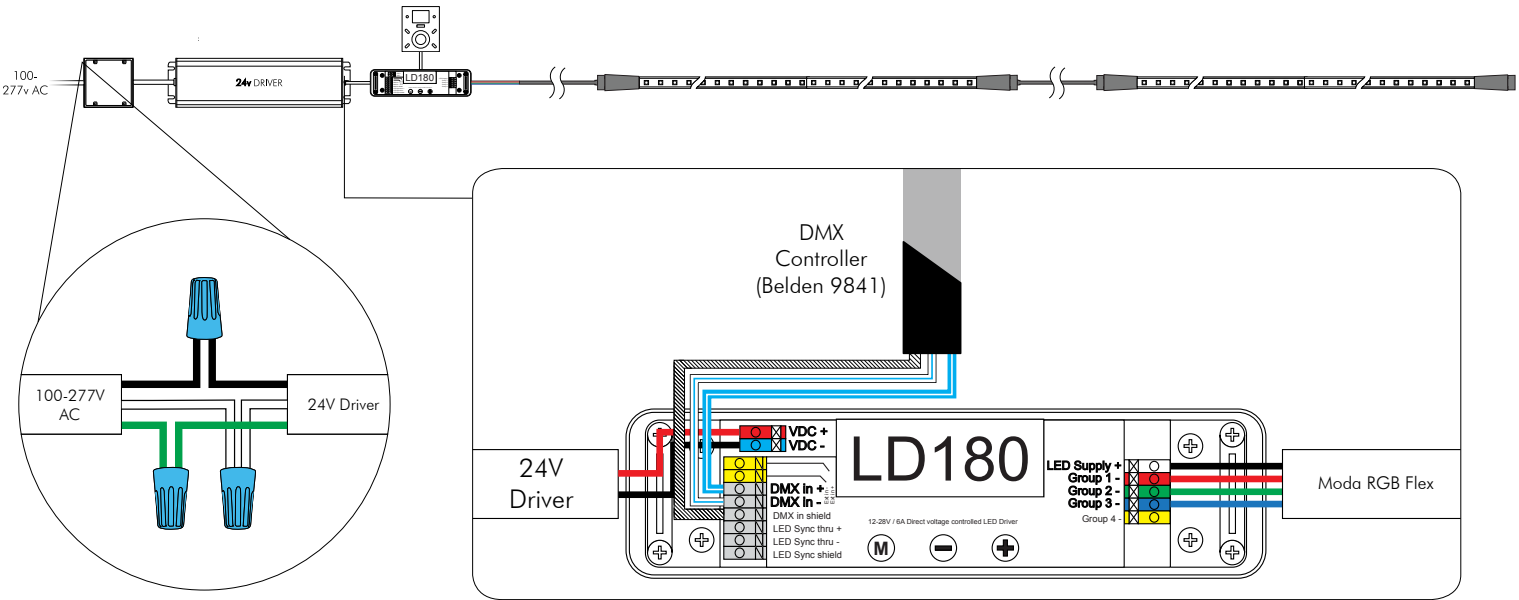
ZONAL LUMEN SUMMARY

LUMENS PER ZONE

Zone	Lumens	% Lamp	% Fixt
0-30	27.49	N.A.	28.50%
0-40	44.95	N.A.	46.60%
0-60	79.47	N.A.	82.40%
60-90	16.40	N.A.	17.00%
0-90	95.87	N.A.	99.40%
90-180	0.58	N.A.	0.60%
0-180	96.45	N.A.	100.00%

Zone	Lumens	% Lamp	% Fixt
0-10	3.38	N.A.	3.50%
10-20	9.65	N.A.	10.00%
20-30	14.47	N.A.	15.00%
30-40	17.55	N.A.	18.20%
40-50	18.33	N.A.	19.00%
50-60	16.11	N.A.	16.70%
60-70	10.51	N.A.	10.90%
70-80	4.34	N.A.	4.50%
80-90	1.45	N.A.	1.50%
90-100	0.58	N.A.	0.60%

WIRING



WIRING LEGEND

Power (100-277V AC)	24V Driver	BELDEN 9841	RGB Leader Cable
Power Positive	Power Positive	DMX Positive	24V Positive
Power Negative	Power Negative	DMX Negative	Red
Ground		DMX Ground	Green
			Blue

MAX RUN
150w Driver 43 ft

ACCESSORIES



RGB-FF-LDR-CBL-W-5FT
5' Leader Cable

Connects FLATFLEX to Power Supply

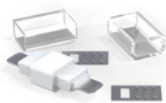
L: 1 1/2" (39mm)
W: 3/5" (18mm)
H: 2/5" (11mm)



RGB-FF-JMP-CBL-W-1FT
1' Jumper Cable

Connects Two FLATFLEX and Allows for Flexible Corner Bends

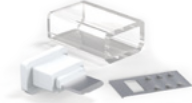
L: 1 1/2" (39mm)
W: 3/5" (18mm)
H: 2/5" (11mm)



RGB-FF-ILC-W
In-Line Connector

Connects Two FLATFLEX together

L: 1/2" (13mm)
W: 1/5" (6mm)
H: 1/10" (2mm)



RGB-FF-T-W
Terminator

Terminates FLATFLEX to protect FPCB from dust

L: 1/2" (13mm)
W: 1/5" (6mm)
H: 1/10" (2mm)



RGB-FF-CLP
Mounting Clip

Screws into surface to hold FLATFLEX

L: 1/2" (13mm)
W: 1/5" (6mm)
H: 1/10" (2mm)



MP17
100 - 277V AC

150W - IP67

L: 8 7/10" (222mm)
W: 2 7/10" (68mm)
H: 1 1/2" (39mm)



Kandi-Touch-Black /
Kandi-Touch-White

DMX 512 Controller

L: 4 1/5" (106mm)
W: 5 7/10" (146mm)
H: 2/5" (11mm)



LD180
DMX Interface

Constant Voltage LED Driver

L: 6" (152mm)
W: 2" (50mm)
H: 9/10" (23mm)



BDL-9841-500FT

RS-458 Cable for DMX
24 AWG stranded TC conductors
polyethylene insulation

L: 500' (152.4m)



BDL-9841-1000FT

RS-458 Cable for DMX
24 AWG stranded TC conductors
polyethylene insulation

L: 1000' (304.8m)

STANDARDS & CERTIFICATIONS

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	Dry Location - IP20
Warranty	5 Year Limited Warranty

ORDERING

RGB-FF-C-150FT
RGB-FF-W-150FT