

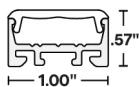
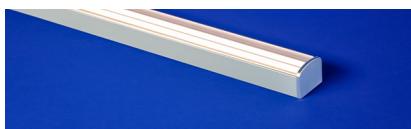


OPTI-OPTICS (02) STATIC COLOR

24VDC Linear Fixtures - Surface & Recessed



Declare.



- Versatile surface and recessed mount linear LED fixture with an advanced assortment of optics
- Choose from nine lens options for varying diode visibility and beam angles
- Easy installation with options for concealed or magnet clip
- Durable anodized aluminum housings
- Red, Green, Blue or Amber LEDs available
- QTL's Red & Amber LED products are Florida Fish and Wildlife Conservation Commission certified, making them safe for turtles and other wildlife
- Consult factory for field assembly options

1 PRODUCT	2 WATTS/ FT	3 CCT	4 RATED	5 LENS	6 WIRE INPUT/ OUTPUT	7 CONNECTOR/ WIRE IN	8 CONNECTOR/ WIRE OUT	9 WIRE COLOR	10 WIRE TYPE	11 MOUNTING	12 FINISH	13 LENGTH (IN)	14 EXACT/ OPTIMAL
OP2SC	5.0		DRY										

Sample Part Number: OP2SC-5.0-GR-DRY-155D-P1-CON6-CON6-WH-CL2-CC-WH-48"-E

1 PRODUCT OP2SC See following pages for compatible power supplies.	2 WATTS/FT 5.0 5.0W/ft	3 CCT AB Amber BL Blue GR Green RD Red	4 RATED DRY IP20
5 LENS 40D Optical 40° 60D Optical 60° 70D Optical 70° 90D Optical 90° 110D Optical 110° 155D Optical 155° 180D Optical 180°	6 WIRE INPUT/OUTPUT S1 Single 1 (Input only) - End Feed S2 Single 2 (Input only) - Bottom Feed For continuous mounting, consider bottom feed.	7 CONNECTOR/WIRE IN BW Bare Wire (Standard 36") CON6 Connector 6" CON24 Connector 24" BW: Standard length is 36". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)	8 CONNECTOR/WIRE OUT CLS Closed End (No feed)
5 LENS ASYM FT Asymmetric Forward Throw For representation of LED visibility, see Diode Visibility section on following pages. For beam angles, see Photometric Performance section on following pages.	6 WIRE INPUT/OUTPUT P1 Pass Through 1 (Input/output) - End Feed P2 Pass Through 2 (Input/output) - Bottom Feed For continuous mounting, consider bottom feed.	7 CONNECTOR/WIRE IN BW Bare Wire (Standard 36") CON6 Connector 6" CON24 Connector 24" BW: Standard length is 36". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)	8 CONNECTOR/WIRE OUT BW Bare Wire (Standard 36") CON6 Connector 6" CON24 Connector 24" BW: Standard length is 36". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)
5 LENS ASYM FT Asymmetric Forward Throw For representation of LED visibility, see Diode Visibility section on following pages. For beam angles, see Photometric Performance section on following pages.	6 WIRE INPUT/OUTPUT S1A Single 1 (Input only) - End Feed S1B Single 1 (Input only) - End Feed S2A Single 2 (Input only) - Bottom Feed S2B Single 2 (Input only) - Bottom Feed For continuous mounting, consider bottom feed.	7 CONNECTOR/WIRE IN BW Bare Wire (Standard 36") CON6 Connector 6" CON24 Connector 24" BW: Standard length is 36". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)	8 CONNECTOR/WIRE OUT CLS Closed End (No feed)
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9 WIRE COLOR WH White BK Black	10 WIRE TYPE CL2 Class 2 CL2P Plenum Rated CL2P only available with bare wire leads (BW)	11 MOUNTING CC Concealed Clip MG Magnet	12 FINISH ST Satin BK Black WH White CU Custom
13 LENGTH (IN) Minimum length is 12", maximum length is 98.43" not including end caps. Contact us for lengths under 12".	14 EXACT/OPTIMAL O Optimal Illumination E Exact Specified Length Exact fixtures match the exact length you specify, but they may have dim spots at the ends. Optimal fixtures are slightly shorter than the length specified, but provide full illumination from end to end.		

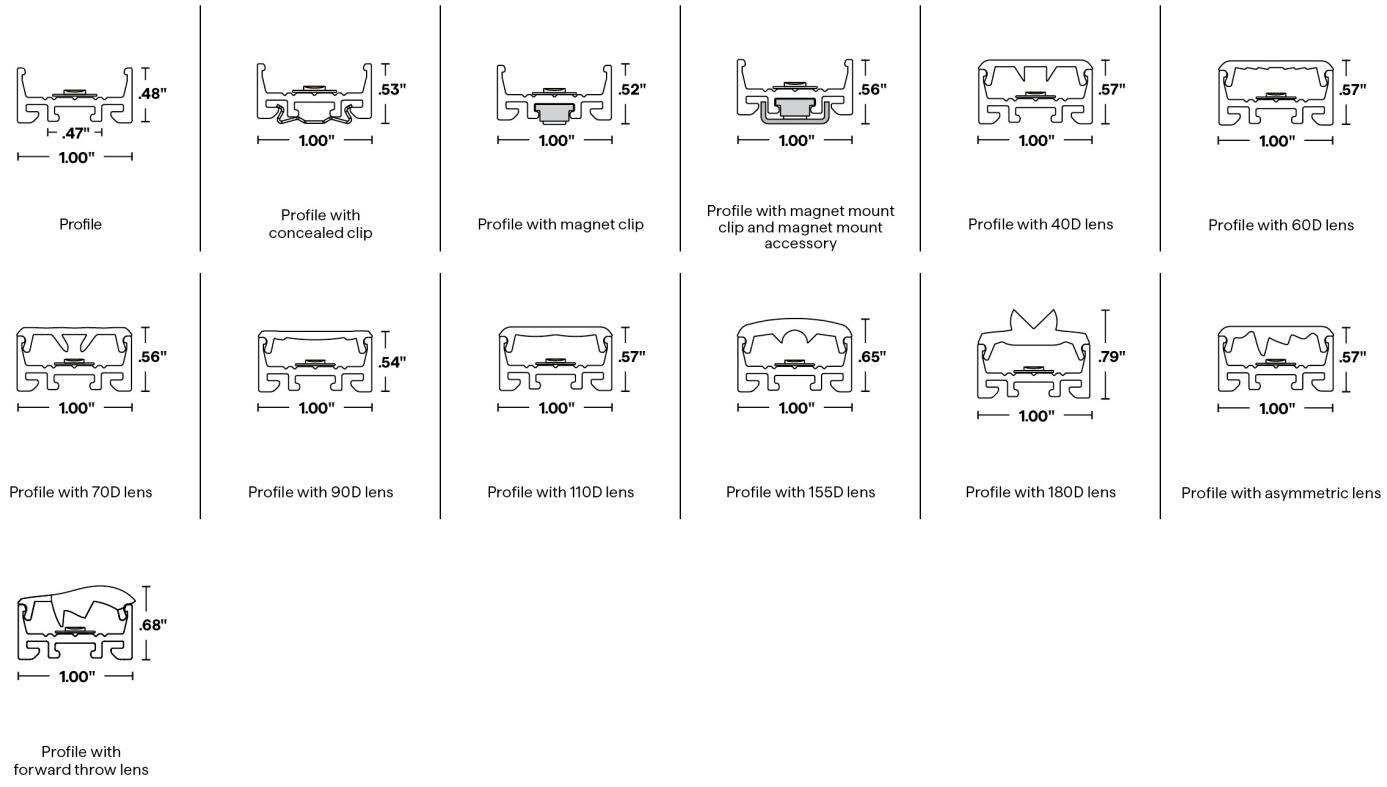
5 year warranty | Warranty only valid with QTL power supplies | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance | Florida Fish and Wildlife Conservation Commission (FWC) rated Strips: DRY rated, Red and Amber



OPTI-OPTICS (02) STATIC COLOR

24VDC Linear Fixtures - Surface & Recessed

1 PRODUCT - DIMENSIONS



2 DELIVERED LUMENS

[Calculated L70 = 50000 hrs]
Tested with OP2SC-5.0-**-DRY-STD

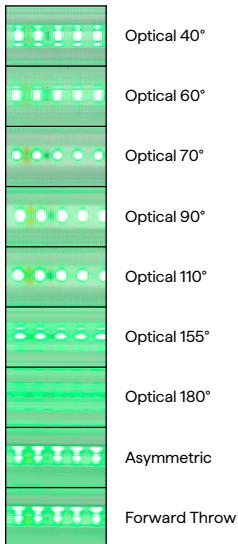
	Red		Green		Blue		Amber	
	LM/FT	Wavelength	LM/FT	Wavelength	LM/FT	Wavelength	LM/FT	Wavelength
40D	114	634	473	516	121	465	84	596
60D	100	635	431	515	102	466	80	595
70D	105	635	447	516	108	466	81	595
90D	103	635	443	516	105	466	80	595
110D	105	634	438	516	111	466	79	596
155D	108	634	437	516	112	466	79	595
180D	103	635	433	516	111	465	80	595
ASYM	104	635	445	516	106	466	81	595
FT	112	631	390	516	97	465	75	596



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5 DIODE VISIBILITY

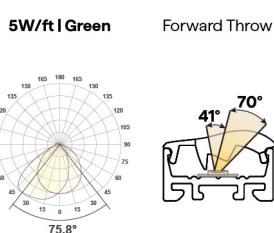
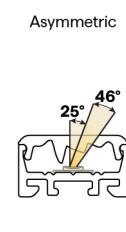
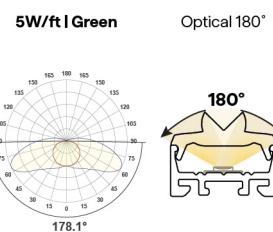
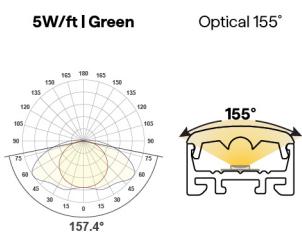
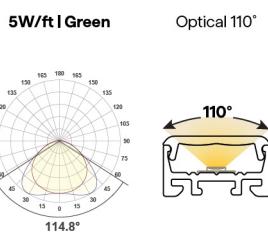
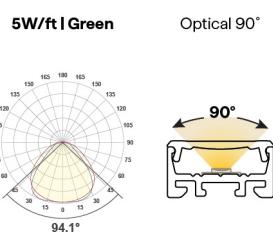
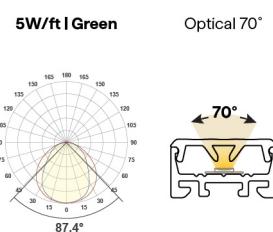
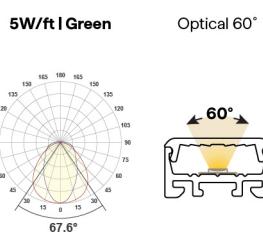
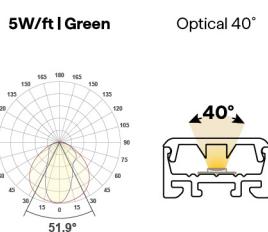


TEMPERATURE RATINGS

		5.0 W/FT	
DRY	Ambient Operating Temp - Surface	Min	Max
		-4°F	125°F

PHOTOMETRIC PERFORMANCE

Nominal beam spread shown, beam spread varies based on light engine. For more detailed information, see photometric data.



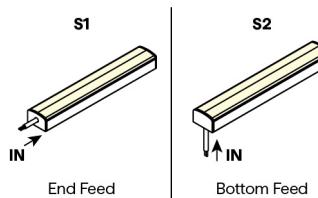


OPTI-OPTICS (02) STATIC COLOR

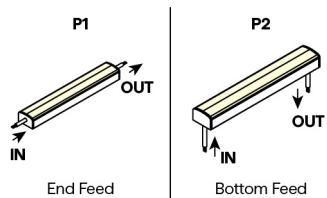
24VDC Linear Fixtures - Surface & Recessed

6 WIRE INPUT/OUTPUT

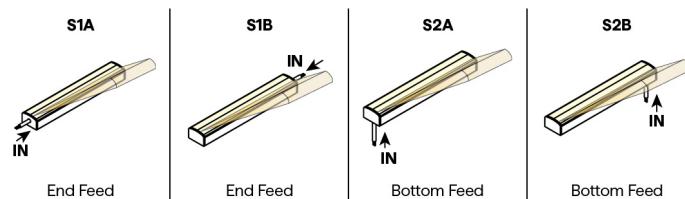
SINGLE (Input only)



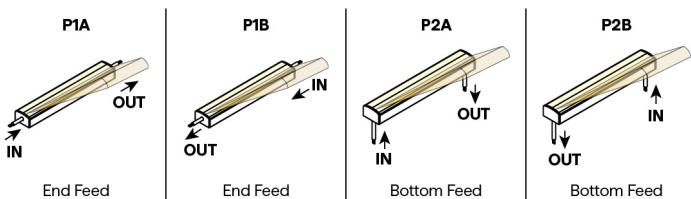
PASS THROUGH (Input/Output)



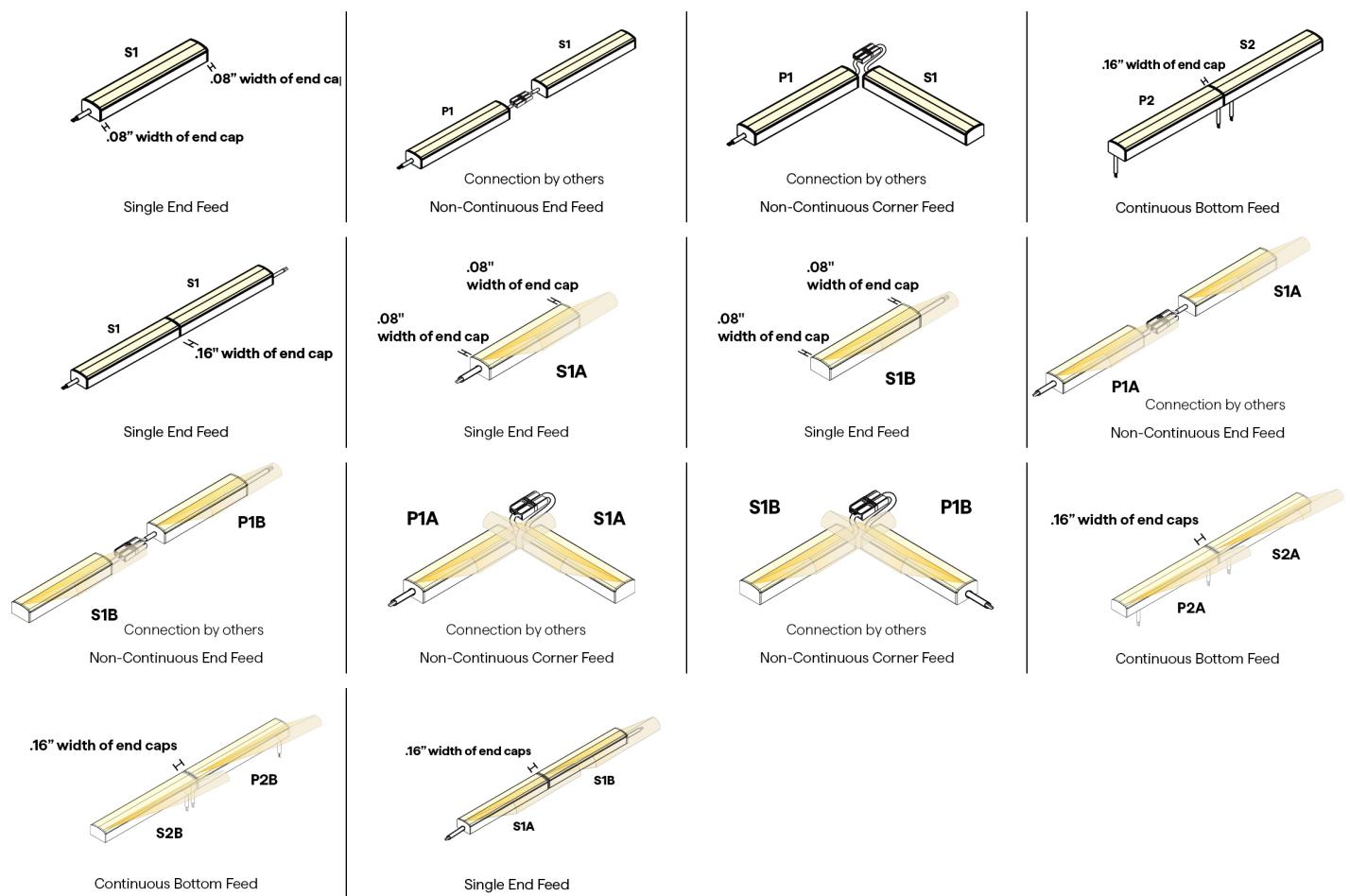
ASYMMETRIC ONLY SINGLE (Input only)



ASYMMETRIC ONLY PASS THROUGH (Input/Output)



CONFIGURATION OPTIONS

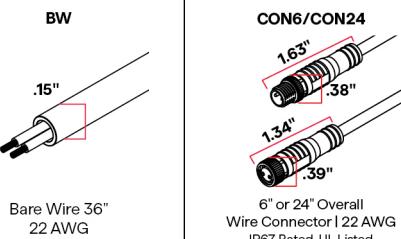




OPTI-OPTICS (02) STATIC COLOR

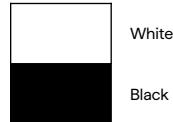
24VDC Linear Fixtures - Surface & Recessed

7 / 8 CONNECTOR/WIRE – IN/OUT



CON6/CON24
1.63"
38"
1.34"
1.39"
6" or 24" Overall
Wire Connector | 22 AWG
IP67 Rated, UL Listed

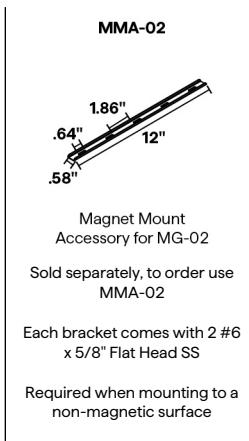
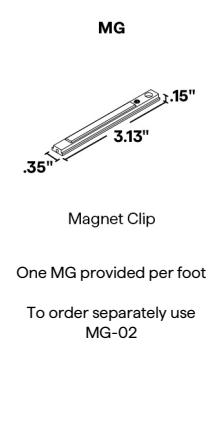
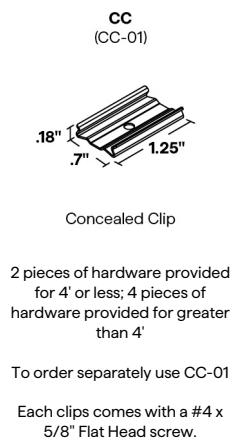
9 WIRE COLOR



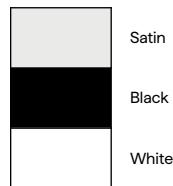
White

Black

11 MOUNTING



12 FINISH



Satin

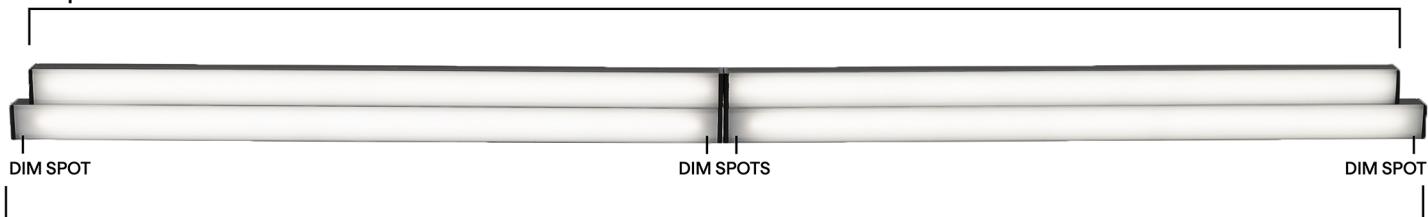
Black

White

14 EXACT/OPTIMAL FIXTURE LENGTH

Exact fixtures are the exact length specified. Optimal fixtures' length is rounded down based on LED cut points to allow the fixture to be illuminated end to end. For runs with multiple fixtures that need to fill a specific length, it's recommended to order all optimal fixtures with an exact fixture at the end of the run.

Optimal Fixtures



Exact Fixtures



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SC DRY LENGTHS BY INCH

Available in any length in between 12" and 98.43" not including end caps, chart below shows example lengths. Exact fixtures are the length specified. Optimal fixtures' length is rounded down with illumination end to end. All fixtures' tolerance is $+0 - 1/8"$. Consult factory for lengths under 12".

EXACT LENGTH

Requested Length	Potential dim spot on either end of fixture
12"	1"
13"	0.5"
14"	1"
15"	0.5"
16"	1"
17"	0.5"
18"	1"
19"	0.5"
20"	1"
21"	0.5"
22"	1"
23"	0.5"
24"	1"
36"	1"
48"	1"
60"	1"
72"	1"
84"	1"
96"	1"

OPTIMAL LENGTH: highlighted rows are closest to requested nominal length

Requested Nominal Length	S1 & S1A/B & S2 & S2A/B	P1 & P1A/B & P2 & P2A/B	
12"	S1 IN End Feed	S2 IN Bottom Feed	P1 OUT End Feed
13"			P2 OUT Bottom Feed
14"			
15"			
16"			
17"			
18"			
19"			
20"			
21"			
22"			
23"			
24"			
36"			
48"			
60"			
72"			
84"			
96"			

COMPATIBLE POWER SUPPLIES

See power supplies cut sheets for more information. Data subject to change, all data has $+/- 5\%$ tolerance.

DIM TO LEVEL	INDOOR	
	SC	
Dim to Black		Q6M-DC+CAP QTM-DC+CAP iQ-PH iQ-PH+QD1
0.1%		QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+0-10V-AWN QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+0-10V QTM-eLED+0-10V-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-BOWTIE+DIMMER QZ-DMX QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP
1%		QTM-eLED(E) QZ-DALI-DT6
10%		Non-Dim Power Supply with SW App Dongle



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DIMMING PROTOCOL	INDOOR
	SC
Non-Dim	QT-CAB-eLED-ND QTM-eLED-ND QZ-ND
Phase	Q6M-DC+CAP QT-CAB-QZ-PH/0-10V QTM-DC+CAP QTM-eLED(E) QZ-BOWTIE+DIMMER QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP iQ-PH iQ-PH+QD1
0-10V	QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+0-10V-AWN QTM-eLED+0-10V QTM-eLED+0-10V-AWN QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP
Lutron Athena	QT-CAB-eLED+0-10V-AWN QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+0-10V-AWN QTM-eLED+DALI-DT6-AWN
ECO System	QTM-eLED(E)
DMX	QZ-DMX
DALI-2: DT6	QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-DALI-DT6
SCENE App Dimmed	Non-Dim Power Supply with SW App Dongle

COMPATIBLE MOUNTING ACCESSORIES

HINGE - HMB-M 1.41" 1.71" Adjustable mounting bracket - Medium	HINGE - HMB-L 1.46" 1.29" Adjustable mounting bracket - Large	HINGE - HMB-XL 4" 1.46" Adjustable mounting bracket - XLarge	Q-PIVOT .75" 1.03" Small mounting accessory	Q-ANGLE 1.38" 2.23" Adjustable mounting accessory	QUOVA-STANDARD QUOVA Knife Edge	NJ-LARGE J Mounting Bracket	NU-LARGE U Mounting Bracket	SD-J-LARGE J Mounting Bracket	BL-LARGE Backwards L Mounting Bracket
NL-LARGE L Mounting Bracket	SD-L-LARGE L Mounting Bracket	MMA-02 .58" Magnet Mount Accessory of MG-02							



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COMPATIBLE WIRING ACCESSORIES



COMPATIBLE APPS

NFC APP



Read and write
DMX addresses and
adjust voltage