



## ESSENTIALS TORQ-OPTICS (02) SW-IA

24VDC Linear Fixtures - Surface & Recessed

white  
optics

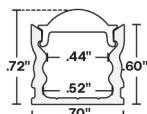


RoHS  
Compliant

5 YEAR  
WARRANTY

Declare

Red List  
Approved



- Surface mount linear fixture for grazing
- Choose from a 12° or 40° beam angle
- Mounting tray available
- Features all wire feed options
- Ideal for direct and indirect applications
- Mounting options include stainless steel clips, magnets, and low-profile magnet mounts
- Features painted end caps to match extrusion finish
- Utilize DMX and SPI protocols to control nominal 1" segments of specifiable white LEDs

1 PRODUCT	2 WATTS/ FT	3 CCT	4 RATED	5 EFFICIENCY	6 LENS	7 EXTERNAL LOUVER	8 WIRE INPUT/ OUTPUT	9 CONNECTOR / WIRE IN	10 CONNECTOR / WIRE OUT	11 WIRE COLOR	12 WIRE TYPE	13 MOUNTING	14 FINISH	15 LENGTH (IN)	16 EXACT/ OPTIMAL
TQ2IA	5.0		DRY												

Sample Part Number: TQ2IA-5.0-30-DRY-WO-12-P1-BW-BW-BK-CL2-SST-BK-48"-E

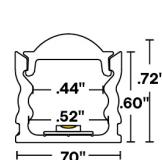
1 <b>PRODUCT</b> TQ2IA See following pages for compatible power supplies.	2 <b>WATTS/FT</b> 5.0 5.0W/ft	3 <b>CCT</b> 27 2700K 30 3000K 35 3500K 40 4000K	4 <b>RATED</b> DRY IP20	5 <b>EFFICIENCY</b> STD Standard White Optics WO WhiteOptics - Internal coating, greater lumen output	6 <b>LENS</b> 12 Optical 12° 40 Optical 40° DRY or DMP only	7 <b>EXTERNAL LOUVER</b> L1-WH White Plastic L1-BK Black Plastic N/A No Louver S3, S4, P3, P4 with the 40 Degree Lens are available in Louver Louvers are shipped separately and require field assembly
8 <b>WIRE INPUT/OUTPUT</b> S1 Single 1 (Input only) - End Feed S2 Single 2 (Input only) - Bottom Feed S3 Single 3 (Input only) - Left Side Feed S4 Single 4 (Input only) - Right Side Feed For continuous mounting, consider bottom or side feed	9 <b>CONNECTOR/WIRE IN</b> BW Bare Wire (Standard 24") CON6 Connector 6" CON24 Connector 24" Connector/Wire In not needed to specify product. Typical selection is BW. BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)	10 <b>CONNECTOR/WIRE OUT</b> CLS Closed End (No feed)	11 <b>WIRE COLOR</b> WH White BK Black			
P1 Pass Through 1 (Input/output) - End Feed P2 Pass Through 2 (Input/output) - Bottom Feed P3 Pass Through 3 (Input/output) - Left Side Feed P4 Pass Through 4 (Input/output) - Right Side Feed For continuous mounting, consider bottom or side feed	BW Bare Wire (Standard 24") CON6 Connector 6" CON24 Connector 24" Connector/Wire In not needed to specify product. Typical selection is BW. BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)	BW Bare Wire (Standard 24") CON6 Connector 6" CON24 Connector 24" Connector/Wire Out not needed to specify product. Typical selection is CLS or BW. BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)				
12 <b>WIRE TYPE</b> CL2 Class 2 CL2P Plenum Rated CL2P only available with bare wire leads (BW)	13 <b>MOUNTING</b> SST Stainless Steel M4 Low Profile Magnet MG Magnet	14 <b>FINISH</b> ST Satin BK Black BZ Bronze CU Custom	15 <b>LENGTH (IN)</b> Fixture length min 12", max 98.43" not including end caps. Consult factory for lengths under 12"	16 <b>EXACT/OPTIMAL</b> O Optimal Illumination E Exact Specified Length Exact fixtures are the exact length specified +0 - 1/8". Optimal fixtures' length is rounded down with illumination end to end. See Exact/Optimal Fixture Length charts.		



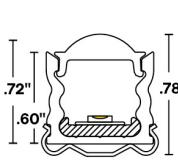
## ESSENTIALS TORQ-OPTICS (02) SW-IA

24VDC Linear Fixtures - Surface & Recessed

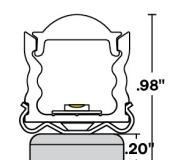
### 1 PRODUCT - DIMENSIONS



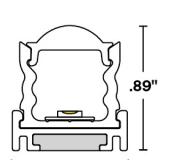
Profile with optical lens



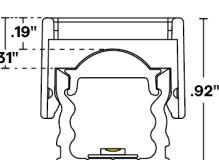
Profile with optical lens, stainless steel mounting clip, and mounting tray



Profile with optical lens and magnet mounting clip



Profile with optical lens and low profile magnet



Profile with plastic louver

### 6 DIODE VISIBILITY



Optical lens

### PHOTOMETRIC PERFORMANCE

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



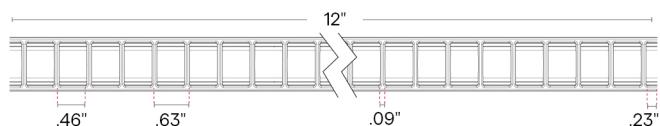
Optical 12°



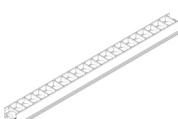
Optical 40°  
DRY and DMP rated  
LEDs only

### 7 EXTERNAL LOUVER

#### PLASTIC



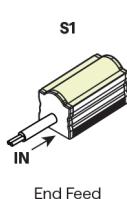
#### L1-XX



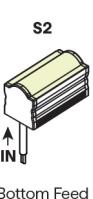
Lumen Multiplier  
WH BK  
0.72 0.53

### 8 WIRE INPUT/OUTPUT

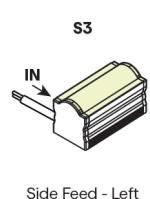
#### SINGLE (Input only)



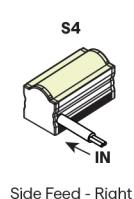
End Feed



Bottom Feed

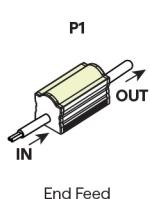


Side Feed - Left

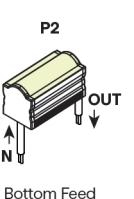


Side Feed - Right

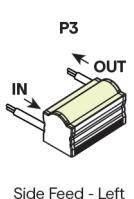
#### PASS THROUGH (Input/Output)



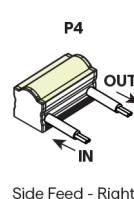
End Feed



Bottom Feed



Side Feed - Left



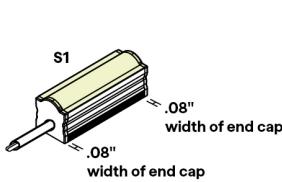
Side Feed - Right



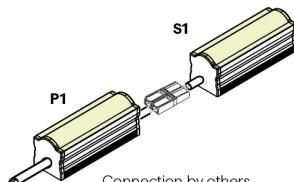
# ESSENTIALS TORQ-OPTICS (02) SW-IA

24VDC Linear Fixtures - Surface & Recessed

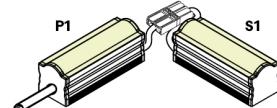
## CONFIGURATION OPTIONS



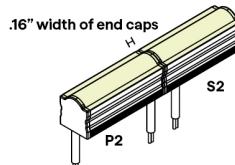
Single End Feed



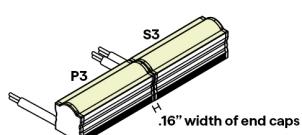
Non-Continuous End Feed



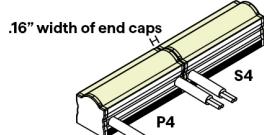
Non-Continuous Corner Feed



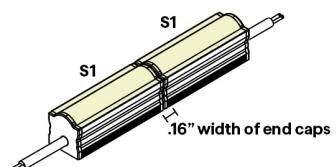
Continuous Bottom Feed



Continuous Side Feed - Left



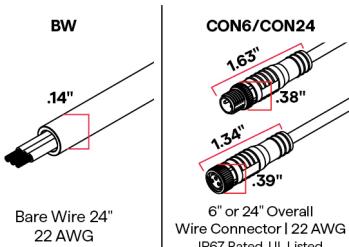
Continuous Side Feed - Right



Continuous End to End Feed

## 9 / 10 CONNECTOR/WIRE - IN/OUT

Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out



## 11 WIRE COLOR



White

Black



## ESSENTIALS TORQ-OPTICS (02) SW-IA

24VDC Linear Fixtures - Surface & Recessed

### 13 MOUNTING

SST	M4	MMA-04	MG
Stainless Steel Clip	Low Profile Magnet	Magnet Mount Accessory for M4	Magnet Clip
2 clips provided for 4' or less; 4 clips provided for greater than 4' To order separately use SST-01 Each clip comes with a #4 x 5/8" Flat Head SS	One M4 provided per foot. To order separately use MG-04	Sold separately, to order use MMA-04 Each bracket comes with 2 #6 x 5/8" Flat Head SS Required when mounting to a non-magnetic surface	One MG provided per foot To order separately use MG-01

### 14 FINISH



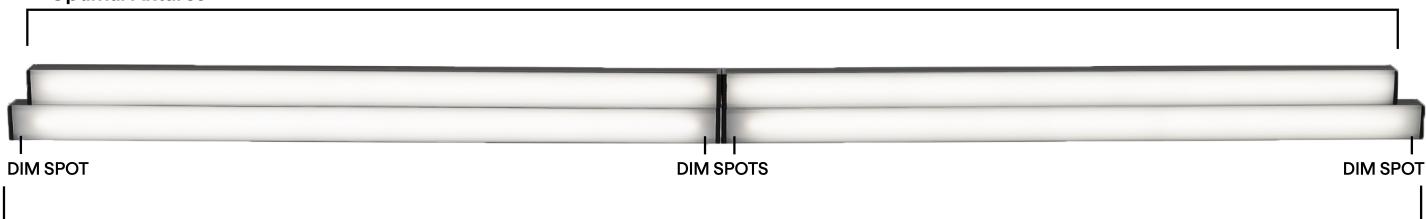
#### MMA-01

Magnet Mount Accessory of MG-01
Sold separately, to order use MMA-01
Each bracket comes with 2 #6 x 5/8" Flat Head SS Required when mounting to a non-magnetic surface

### 16 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



# ESSENTIALS TORQ-OPTICS (02) SW-IA

24VDC Linear Fixtures - Surface & Recessed

## SW-IA DRY LENGTHS BY INCH

Available in any length in between 12" and 98.43", 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  $\pm 0 - 1/8"$ . Consult factory for lengths under 12".

### EXACT LENGTH

Requested Length	Potential dim spot on either end of fixture
12"	.975"
13"	1.475"
14"	.3"-1.975"
15"	.8"
16"	1.3"
17"	1.8"
18"	.625"
19"	1.125"
20"	1.625"
21"	.45"
22"	.95"
23"	1.45"
24"	1.95"
36"	1.25"
48"	0.55"
60"	1.525"
72"	0.825"
84"	1.8"
96"	1.1"

### OPTIMAL LENGTH: highlighted rows are closest to requested nominal length

Requested Nominal Length	S1 & S2		P1 & P2		S3 & S4		P3 & P4	
	S1 End Feed	S2 Bottom Feed	P1 End Feed	P2 Bottom Feed	S3 Side Feed - Left	S4 Side Feed - Right	P3 Side Feed - Left	P4 Side Feed - Right
12"	10.46"		10.71"		10.46"		10.56"	
13"	10.46"		10.71"		10.46"		10.56"	
14"	13.81"		10.71"		13.81"		13.91"	
15"	13.81"		14.06"		13.81"		13.91"	
16"	13.81"		14.06"		13.81"		13.91"	
17"	13.81"		14.06"		13.81"		13.91"	
18"	17.16"		17.41"		17.16"		17.26"	
19"	17.16"		17.41"		17.16"		17.26"	
20"	17.16"		17.41"		17.16"		17.26"	
21"	20.51"		20.76"		20.51"		20.61"	
22"	20.51"		20.76"		20.51"		20.61"	
23"	20.51"		20.76"		20.51"		20.61"	
24"	23.86"		20.76"		23.86"		23.96"	
36"	33.91"		34.16"		33.91"		34.01"	
48"	47.31"		47.56"		47.31"		47.41"	
60"	57.36"		57.61"		57.36"		57.46"	
72"	70.76"		71.01"		70.76"		70.86"	
84"	80.81"		81.06"		80.81		80.91"	
96"	94.21"		94.46"		94.21"		94.31"	

## COMPATIBLE POWER SUPPLIES

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

DIM TO LEVEL	INDOOR
	SW-IA
1%	QT-CAB-eLED+IA QTM-eLED+IA

DIMMING PROTOCOL	INDOOR
	SW-IA
DMX	QT-CAB-eLED+IA QTM-eLED+IA

## COMPATIBLE MOUNTING ACCESSORIES

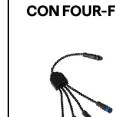
HINGE - HMB-M	HINGE - HMB-L	HINGE - HMB-XL	Q-PIVOT	Q-ANGLE	NU-GRAZER	NJ-GRAZER	BL-GRAZER	NJ-MEDIUM
1.41"  .71"	1.46"  1.29"	1.46"  4"  .75"  1.38"  2.23"	1.03"	1.38"  2.23"	U Mounting Bracket	J Mounting Bracket	Backwards L Mounting Bracket	J Mounting Bracket
Adjustable mounting bracket - Medium	Adjustable mounting bracket - Large	Adjustable mounting bracket - XLarge	Small mounting accessory	Adjustable mounting accessory				



## ESSENTIALS TORQ-OPTICS (02) SW-IA

24VDC Linear Fixtures - Surface & Recessed

### COMPATIBLE WIRING ACCESSORIES

 Q-mini-J 2" 1.25"	 Q-mini-J5 2.80" 2.27"	 BARREL-EXT 8ft barrel cable extender DRY ONLY	 BARREL FOUR-FER Splits lead from one to four LED Barrel connector fixtures, DRY/DMP	 CON120-EXT 10ft Con cable extender DRY/DMP/WET	 CON FOUR-FER Splits lead from one to four LED Con connectors DRY/DMP/WET	 CON M - BARREL F Male con to barrel cable adaptor DRY/DMP
--	--	--	---	---	---	---