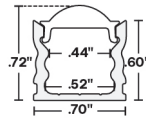
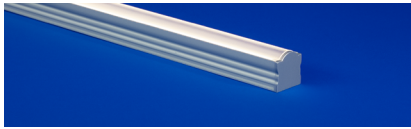




ESSENTIALS TORQ-OPTICS (02)

SW-IA

24VDC Linear Fixtures - Surface & Recessed



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

PRODUCT

TQ2IA

See following pages for compatible power supplies.

2

WATTS/FT

5.0

5.0W/ft

3

CCT

27

2700K

30

3000K

35

3500K

40

4000K

4

RATED

DRY

IP20

5

EFFICIENCY

STD

Standard

WO

White Optics

WhiteOptics - Internal coating, greater lumen output

6

LENS

12

Optical 12°

40

Optical 40° DRY or DMP only

For representation of LED visibility, see Diode Visibility section on following pages. For beam angles, see Photometric Performance section on following pages

7

EXTERNAL LOUVER

L1-WH

White Plastic

L1-BK

Black Plastic

N/A

No Louver

S3, S4, P3, P4 with the 40 Degree Lens are not available in Louver

Louvers are shipped separately and require field assembly

8

WIRE INPUT/OUTPUT

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

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

9

CONNECTOR/WIRE IN

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 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

CONNECTOR/WIRE OUT

CLS

Closed End (No feed)

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)

11

WIRE COLOR

WH

White

BK

Black

12

WIRE TYPE

CL2

Class 2

CL2P

Plenum Rated

CL2P only available with bare wire leads (BW)

13

MOUNTING

SST

Stainless Steel

M4

Low Profile Magnet

MG

Magnet

14

FINISH

ST

Satin

BK

Black

BZ

Bronze

CU

Custom

15

LENGTH (IN)

Fixture length min 12", max 98.43" not including end caps. Consult factory for lengths under 12"

16

EXACT/OPTIMAL

O

Optimal Illumination

E

Exact Specified Length

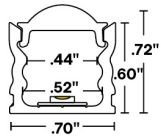
Exact fixtures are the exact length specified +0 - 1/8". Optimal fixtures' length is rounded down with illumination end to end. See Exact/Optimal Fixture Length charts.



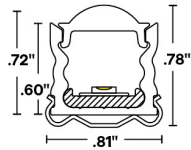
ESSENTIALS TORQ-OPTICS (02) SW-IA

24VDC Linear Fixtures - Surface & Recessed

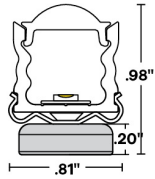
1 PRODUCT - DIMENSIONS



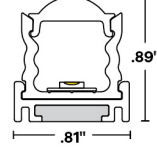
Profile with optical lens



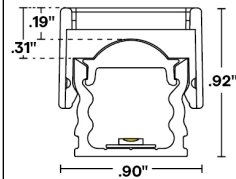
Profile with optical lens, stainless steel mounting clip, and mounting tray



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.



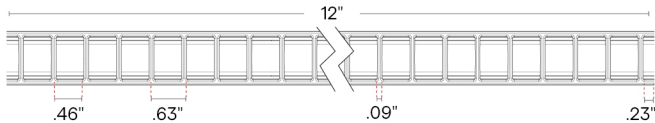
Optical 12°



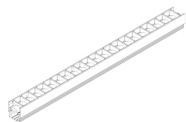
Optical 40°
DRY and DMP rated
LEDs only

7 EXTERNAL LOUVER

PLASTIC



L1-XX



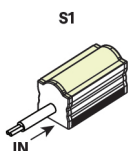
Lumen Multiplier

WH BK

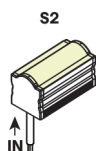
0.72 0.53

8 WIRE INPUT/OUTPUT

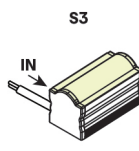
SINGLE (Input only)



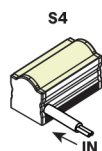
End Feed



Bottom Feed

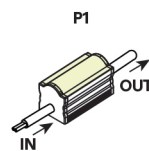


Side Feed - Left

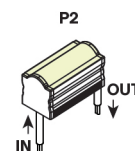


Side Feed - Right

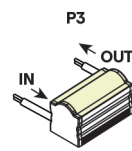
PASS THROUGH (Input/Output)



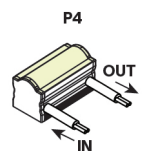
End Feed



Bottom Feed



Side Feed - Left



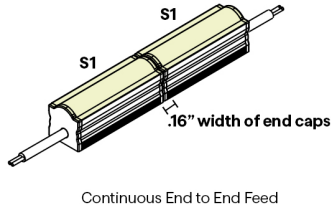
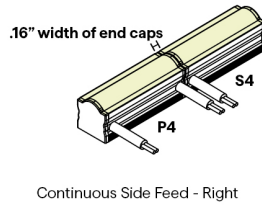
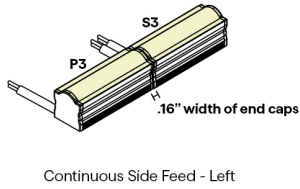
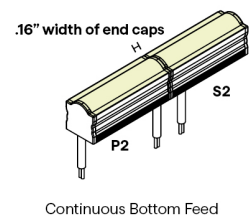
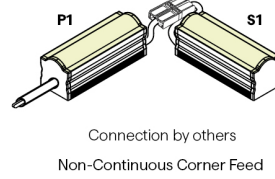
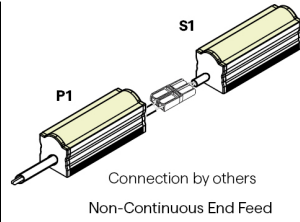
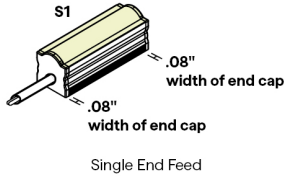
Side Feed - Right



ESSENTIALS TORQ-OPTICS (02) SW-IA

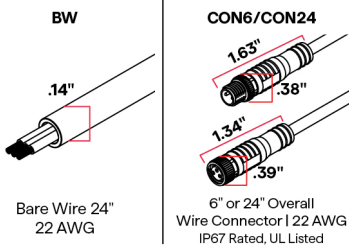
24VDC Linear Fixtures - Surface & Recessed

CONFIGURATION OPTIONS



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



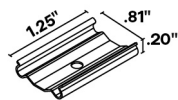


ESSENTIALS TORQ-OPTICS (02) SW-IA

24VDC Linear Fixtures - Surface & Recessed

13 MOUNTING

SST



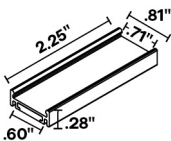
Stainless Steel Clip

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

M4

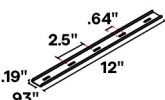


Low Profile Magnet

One M4 provided per foot.

To order separately use MG-04

MMA-04



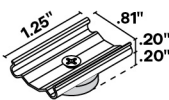
Magnet Mount Accessory for M4

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

MG



Magnet Clip

One MG provided per foot

To order separately use MG-01

14 FINISH



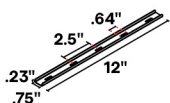
Satin

Black

Bronze

Custom color available

MMA-01



Magnet Mount Accessory of MG-01

Sold separately, to order use MMA-01

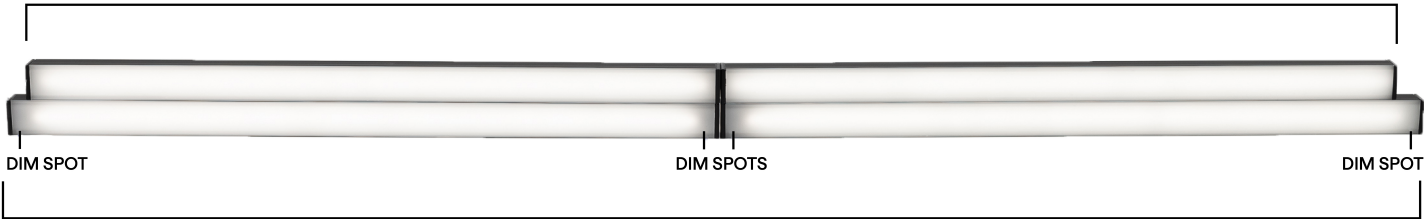
Each bracket comes with 2 #6 x 5/8" Flat Head SS

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 +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 	S2 	P1 	P2 	S3 	S4 	P3 	P4
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 +/- 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


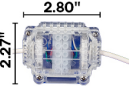





HINGE - HMB-M	HINGE - HMB-L	HINGE - HMB-XL	Q-PIVOT	Q-ANGLE	NU-GRAZER	NJ-GRAZER	BL-GRAZER	NJ-MEDIUM
 1.41" .71"	 1.46" 1.29"	 1.46" 4"	 .75" 1.03"	 2.23" 1.38"				
Adjustable mounting bracket - Medium	Adjustable mounting bracket - Large	Adjustable mounting bracket - XLarge	Small mounting accessory	Adjustable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



ESSENTIALS TORQ-OPTICS (02) SW-IA

24VDC Linear Fixtures - Surface & Recessed

COMPATIBLE WIRING ACCESSORIES

Q-mini-J  UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)	Q-mini-J5  UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)	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
--	---	---	--	--	--	--