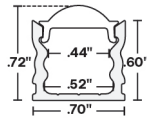
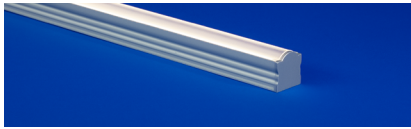




ESSENTIALS TORQ-OPTICS (02)

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
- Optional plastic louver accessory available in white or black for added glare control

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
PRODUCT	WATTS/ FT	CCT	RATED	EFFICIENCY	LENS	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

5.05.0W/ft

3

CCT

272700K
303000K
353500K
404000K

4

RATED

DRYIP20

5

EFFICIENCY

STDStandard
WOWhite Optics

WhiteOptics - Internal coating, greater lumen output

6

LENS

12Optical 12°
40Optical 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. For optional snap-on louver ordering, see External Louver Accessory section on following pages

7

WIRE INPUT/OUTPUT

S1Single 1 (Input only) - End Feed
S2Single 2 (Input only) - Bottom Feed
S3Single 3 (Input only) - Left Side Feed
S4Single 4 (Input only) - Right Side Feed

For continuous mounting, consider bottom or side feed

P1Pass Through 1 (Input/output) - End Feed
P2Pass Through 2 (Input/output) - Bottom Feed
P3Pass Through 3 (Input/output) - Left Side Feed
P4Pass Through 4 (Input/output) - Right Side Feed

For continuous mounting, consider bottom or side feed

8

CONNECTOR/WIRE IN

BWBare Wire (Standard 24")
CON6Connector 6"
CON24Connector 24"

BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

BWBare Wire (Standard 24")
CON6Connector 6"
CON24Connector 24"

BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

9

CONNECTOR/WIRE OUT

CLSClosed End (No feed)

BWBare Wire (Standard 24")
CON6Connector 6"
CON24Connector 24"

BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

10

WIRE COLOR

WHWhite
BKBlack

11

WIRE TYPE

CL2Class 2
CL2PPlenum Rated

CL2P only available with bare wire leads (BW)

12

MOUNTING

SSTStainless Steel
M4Low Profile Magnet
MGMagnet

13

FINISH

STSatin
BKBlack
BZBronze
CUCustom

Custom finishes require a longer lead time, consult factory

14

LENGTH (IN)

Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12".

15

EXACT/OPTIMAL

OOptimal Illumination
EExact 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. See Exact/Optimal Fixture Length charts.

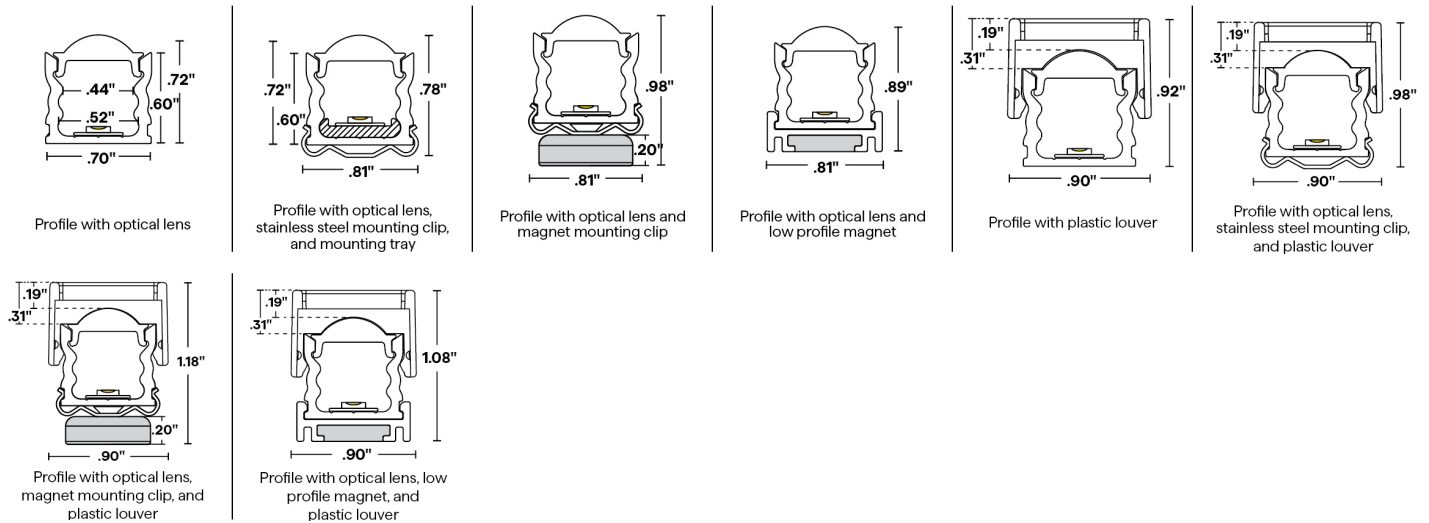
5 year warranty | Warranty only valid with QTL power supplies | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance



ESSENTIALS TORQ-OPTICS (02) SW-IA

24VDC Linear Fixtures - Surface & Recessed

1 PRODUCT - DIMENSIONS

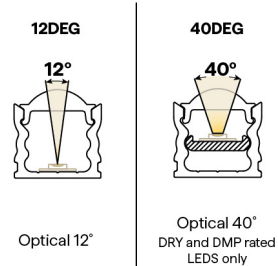


6 DIODE VISIBILITY



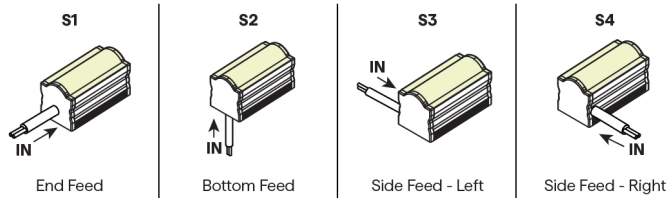
PHOTOMETRIC PERFORMANCE

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

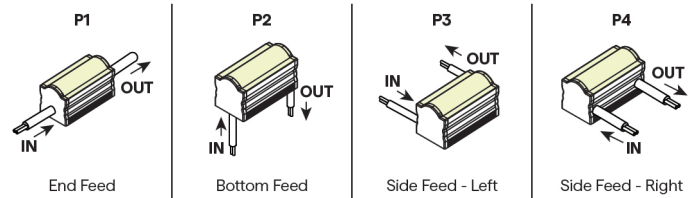


7 WIRE INPUT/OUTPUT

SINGLE (Input only)



PASS THROUGH (Input/Output)

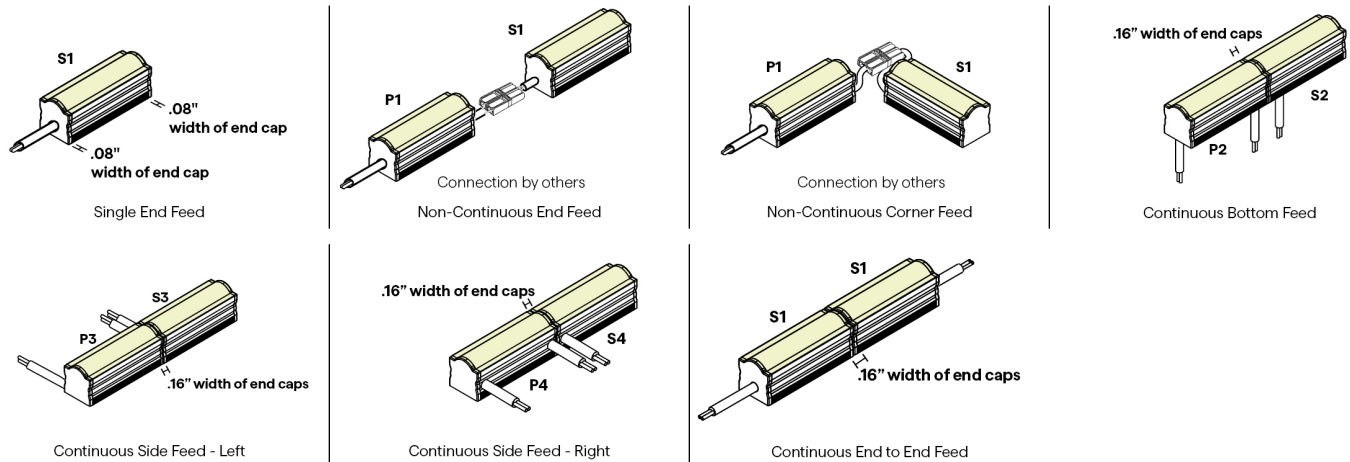




ESSENTIALS TORQ-OPTICS (02) SW-IA

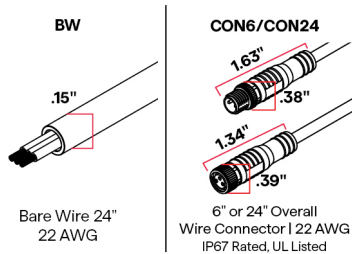
24VDC Linear Fixtures - Surface & Recessed

CONFIGURATION OPTIONS



8 / 9 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



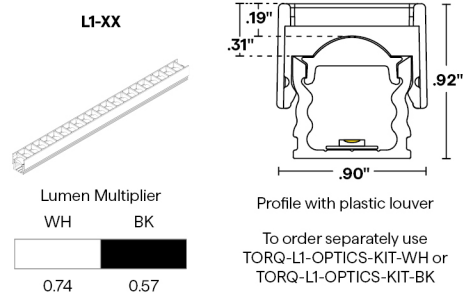
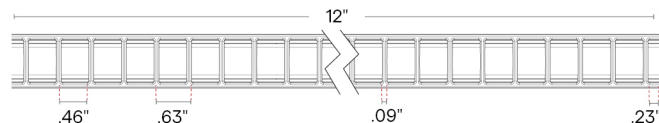
10 WIRE COLOR



EXTERNAL LOUVER ACCESSORY

When using 40DEG option with a side feed input/output, routing will be necessary on the plastic louver to ensure unobstructed wire exits.

PLASTIC



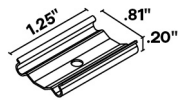


ESSENTIALS TORQ-OPTICS (02) SW-IA

24VDC Linear Fixtures - Surface & Recessed

12 MOUNTING

SST



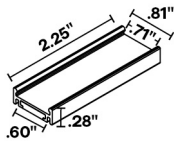
Stainless Steel Clip

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

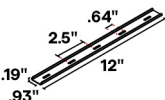


Low Profile Magnet

One M4 provided per foot.

To order separately use MG-04

MMA-04



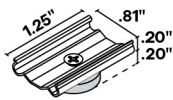
Magnet Mount Accessory for M4

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

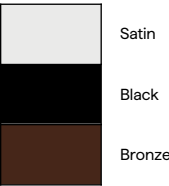


Magnet Clip

One MG provided per foot

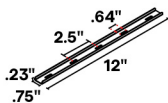
To order separately use MG-01

13 FINISH



Custom finishes require a longer lead time, consult factory

MMA-01



Magnet Mount Accessory of MG-01

Sold separately, to order use MMA-01

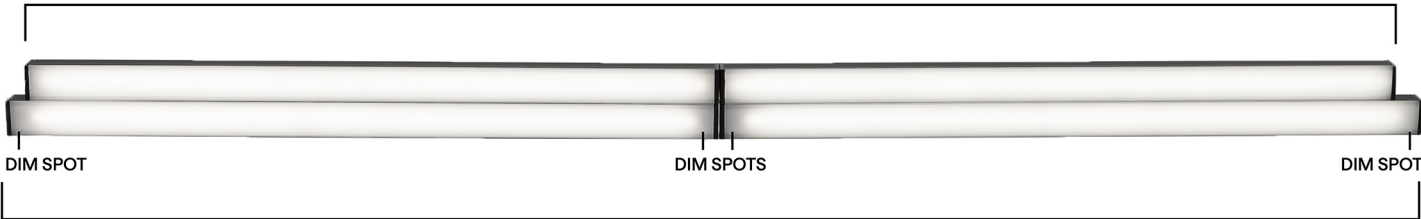
Each bracket comes with 2 #6 x 5/8" Flat Head SS

Required when mounting to a non-magnetic surface

15 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	
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


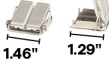







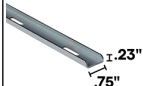

DIMMING PROTOCOL	INDOOR
	SW-IA
DMX	QT-CAB-eLED+IA QTM-eLED+IA




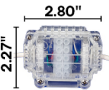





ESSENTIALS TORQ-OPTICS (02) SW-IA

24VDC Linear Fixtures - Surface & Recessed

COMPATIBLE MOUNTING ACCESSORIES

HINGE - HMB-M  1.41" .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  2.23" 1.38" Adjustable mounting accessory	NU-GRAZER  U Mounting Bracket	NJ-GRAZER  J Mounting Bracket	BL-GRAZER  Backwards L Mounting Bracket	NJ-MEDIUM  J Mounting Bracket	MMA-01  I .23" .75" Magnet Mount Accessory of MG-01
MMA-04  I .19" .93" Magnet Mount Accessory of MG-04									

COMPATIBLE WIRING ACCESSORIES

Q-mini-J  2" 1.25" UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)	Q-mini-J5  2.80" 2.27" 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
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