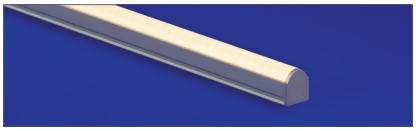
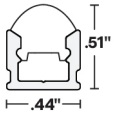
MICRO 5 ATOM-OPTICS (02) STATIC WHITE

24VDC Linear Fixtures - Surface & Recessed

410.2 & 410.16 Closet Rated in 1.0-2.0W/ft





- MICRO 5 Series linear LED fixture engineered for exceptional light quality and even distribution, seamlessly blending with millwork details
- Features an optically enhanced lens to produce a 20° beam
- 60% smaller than ESSENTIALS-TORQ
- Delivers equivalent efficacy as standard size fixtures
- Ideal for surface mounted or recessed installations that call for low-profile light in small areas
- Features a stainless steel mounting clip, making installation and repositioning effortless
- Suitable for installation in the storage area of a clothes closet when specified with LEDs at 2.0 watts or less per foot per NEC regulations
- 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
				20D						SST			

Sample Part Number: **ATOM-02-SW-1.0-30-DRY-20D-S1-BW-CLS-WH-CL2-SST-ST-48"-E**

1 PRODUCT

ATOM-02-SW
ATOM-02-SW-USA

Select USA option for BAA and BABA projects. Only DRY ratings apply.

See following pages for compatible power supplies.

2 WATTS/FT

1.0	1.0W/ft
2.0	2.0W/ft
4.0	4.0W/ft

1.0	1.0W/ft
2.0	2.0W/ft
4.0	4.0W/ft

3 CCT

20	2000K
22	2200K
24	2400K
27	2700K
30	3000K
35	3500K
40	4000K

24	2400K
27	2700K
30	3000K
35	3500K
40	4000K

4 RATED

DRY	IP20

DMP	IP54

5 LENS

20D	Optical 20°

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

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 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 feed.

7 CONNECTOR/WIRE IN

BW	Bare Wire (Standard 24")
BRL	Barrel
CON6	Connector 6"
CON24	Connector 24"

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")
BRL	Barrel
CON6	Connector 6"
CON24	Connector 24"

BW: Standard length is 24", 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)

BW	Bare Wire (Standard 24")
BRL	Barrel
CON6	Connector 6"
CON24	Connector 24"

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

9 WIRE COLOR

WH	White
BK	Black
N/A	For Barrel

10 WIRE TYPE

CL2	Class 2
CL2P	Plenum Rated
N/A	For Barrel

CL2P only available with bare wire leads (BW)

11 MOUNTING

SST	Stainless Steel

12 FINISH

ST	Satin
BK	Black
CU	Custom

Custom finishes require a longer lead time, consult factory

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

E	Exact specified length
O	Optimal illumination

5 year warranty | Warranty only valid with QTL power supplies | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance | Title 24 – JA8-2019 Static White Strip: All wattages, CCT and IP

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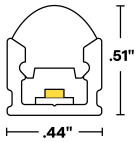
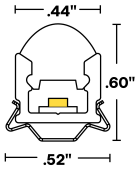
MICRO 5 ATOM-OPTICS (02) STATIC WHITE

24VDC Linear Fixtures - Surface & Recessed

1 PRODUCT - DIMENSIONS



Profile with 20D lens



Profile with 20D lens and stainless steel mounting clip

2 DELIVERED LUMENS

[Calculated L70 = 70000 hrs]
Tested with ATOM-02-SW-**-30-DRY

	1.0 W/FT		2.0 W/FT		4.0 W/FT	
	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI
20D	71	98	144	98	291	98

5 DIODE VISIBILITY

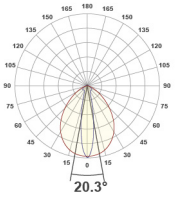
SW

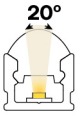
20D - Optical 20°

PHOTOMETRIC PERFORMANCE

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

4W/ft





20D lens in 3000K

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MICRO 5 ATOM-OPTICS (02) STATIC WHITE

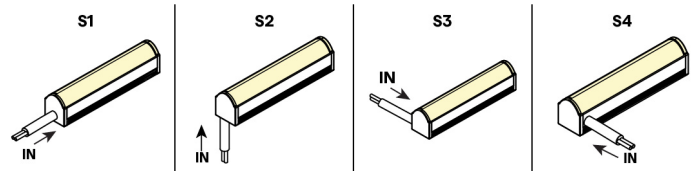
24VDC Linear Fixtures - Surface & Recessed

TEMPERATURE RATINGS

		1.0 W/FT		2.0 W/FT		4.0 W/FT	
		Min	Max	Min	Max	Min	Max
DRY	Ambient Operating Temp - Surface	-4°F	145°F	-4°F	140°F	-4°F	120°F
DMP	Ambient Operating Temp - Surface	-4°F	140°F	-4°F	135°F	-4°F	115°F

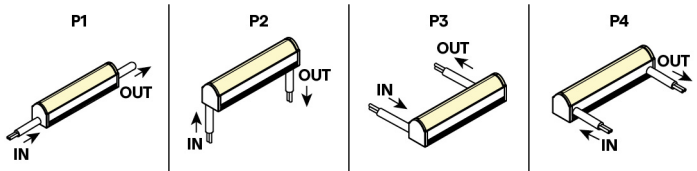
6 WIRE INPUT/OUTPUT

SINGLE (Input only)



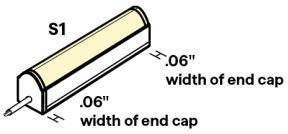
End Feed | Bottom Feed | Side Feed - Left | Side Feed - Right

PASS THROUGH (Input/Output)

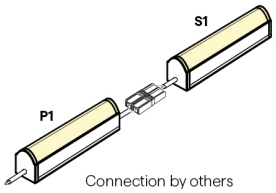


End Feed | Bottom Feed | Side Feed - Left | Side Feed - Right

CONFIGURATION OPTIONS

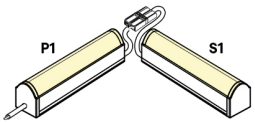


Single End Feed



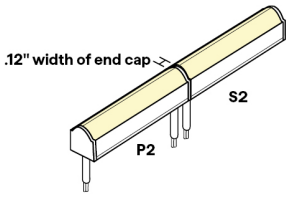
Connection by others

Non-Continuous End Feed

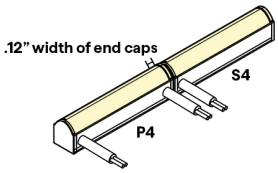


Connection by others

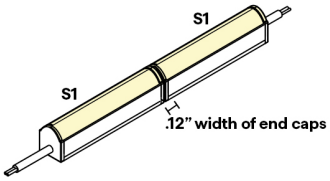
Non-Continuous Corner Feed



Continuous Bottom Feed



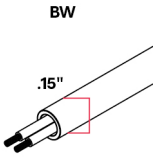
Continuous Side Feed - Right



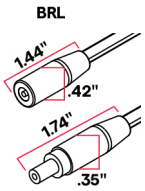
Continuous End to End Feed

7/8 CONNECTOR/WIRE – IN/OUT

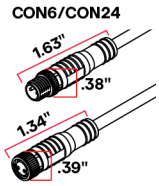
Connector/Wire In or Out not needed to specify product. Typical selection is S1 for Wire Input/Output, BW for Connector/Wire In, N/A for Connector/Wire Out



Bare Wire 24"
22 AWG

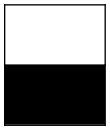


Barrel 6" - DRY/DMP |
22 AWG



6" or 24" Overall
Wire Connector | 22 AWG
IP67 Rated, UL Listed

9 WIRE COLOR



White

Black

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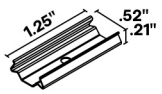
MICRO 5 ATOM-OPTICS (02) STATIC WHITE

24VDC Linear Fixtures - Surface & Recessed

11 MOUNTING

SST



Stainless Steel Clip

2 pieces of hardware provided for 4' or less; 4 pieces provided for greater than 4'

To order separately use SST-08

Each clip comes with a #4 x 5/8" Flat Head SS

12 FINISH

Satin

Black

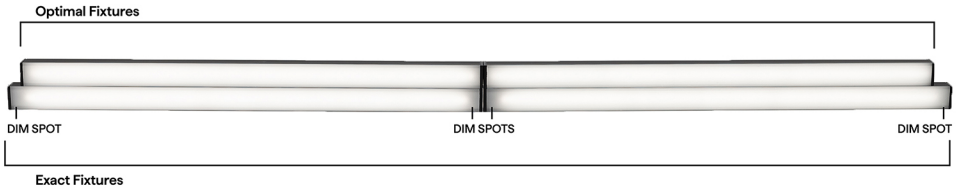
Custom finishes require a longer lead time, consult factory

15 EXACT/OPTIMAL FIXTURE LENGTH

E/O Length Calculator →

E/O Explained →

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.



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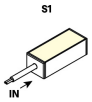
MICRO 5 ATOM-OPTICS (02) STATIC WHITE

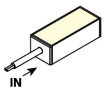
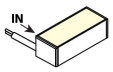
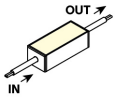
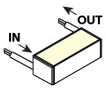
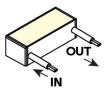
24VDC Linear Fixtures - Surface & Recessed

SW DRY DMP LENGTHS BY INCH

EXACT LENGTH

Requested Length	Potential dim spot on either end of a S1 fixture
	 End Feed
12"	0.5"
13"	0.5"
14"	0.5"
15"	0.5"
16"	0.5"
17"	0.5"
18"	0.5"
19"	0.5"
20"	0.5"
21"	0.5"
22"	0.5"
23"	0.5"
24"	0.5"
36"	0.5"
48"	0.5"
60"	0.5"
72"	0.5"
84"	0.5"
96"	0.5"

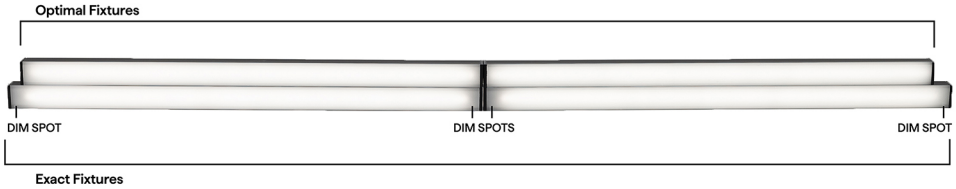
OPTIMAL LENGTH

Requested Nominal Length	S1 & S2 & S3 & S4				P1 & P2 & P3 & P4			
	 End Feed	Bottom Feed	 Side Feed - Left	Side Feed - Right	 End Feed	Bottom Feed	 Side Feed - Left	 Side Feed - Right
12"	11.38"				11.63"			
13"	12.38"				12.63"			
14"	13.38"				13.63"			
15"	14.38"				14.63"			
16"	15.38"				15.63"			
17"	16.38"				16.63"			
18"	17.38"				17.63"			
19"	18.38"				18.63"			
20"	19.38"				19.63"			
21"	20.38"				20.63"			
22"	21.38"				21.63"			
23"	22.38"				22.63"			
24"	23.38"				23.63"			
36"	35.38"				35.63"			
48"	47.38"				47.63"			
60"	59.38"				59.63"			
72"	71.38"				71.63"			
84"	83.38"				83.63"			
96"	95.38"				95.63"			

14 EXACT/OPTIMAL FIXTURE LENGTH

E/O Length Calculator → E/O Explained →

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.



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MICRO 5 ATOM-OPTICS (02) STATIC WHITE

24VDC Linear Fixtures - Surface & Recessed

COMPATIBLE POWER SUPPLIES

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

DIM TO LEVEL	INDOOR
	MICRO 5-SW
Dim to Black	Q6M-DC+CAP QTM-DC+CAP 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

DIMMING PROTOCOL	INDOOR
	MICRO 5-SW
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+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

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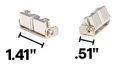
MICRO 5 ATOM-OPTICS (02) STATIC WHITE

24VDC Linear Fixtures - Surface & Recessed

COMPATIBLE MOUNTING ACCESSORIES

HINGE - HMB-S

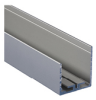


Adjustable mounting bracket - Small

VHB

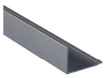
Double sided mounting tape

NJ-GRAZER



J Mounting Bracket

BL-GRAZER



Backwards L Mounting Bracket

NU-GRAZER

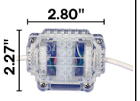
U Mounting Bracket

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

COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE

Wi-Fi or Bluetooth Connectivity

COMPATIBLE APPS

NFC APP

Q-NFC

Read and write DMX addresses and adjust voltage

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