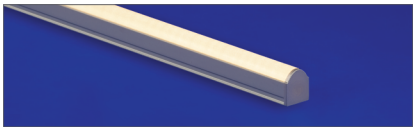
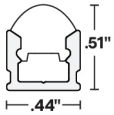
MICRO 5 ATOM-OPTICS (02) FOR WARM DIM APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed





- MICRO 5 Series linear LED fixture engineered for exceptional light quality and even distribution, seamlessly blending with millwork details
- Features an optically enhanced lens
- 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
- Used in applications to provide warmer CCTs as the light is dimmed
- When using DALI and DMX power supplies, LED wattage must be doubled
- Consult factory for field assembly options

Specify either factory assembled fixtures or field assembled extrusions and LEDs.

A LEDs will be installed into a complete fixture. Ideal for single fixtures. Avoids installers needing to handle the delicate 5mm LED.

OR

B Extrusions and LEDs will be shipped not installed. Ideal for long runs or light with no interruptions in LED up to Class 2 limitations. Due to the delicate nature of the 5mm LED, care must be taken in the installation process

A. Factory Assembled Option

A1 PRODUCT	A2 WATTS/ FT	A3 CCT	A4 RATED	A5 LENS	A6 WIRE INPUT/ OUTPUT	A7 CONNECTOR/ WIRE IN	A8 CONNECTOR/ WIRE OUT	A9 WIRE COLOR	A10 WIRE TYPE	A11 MOUNTING	A12 FINISH	A13 LENGTH (IN)	A14 EXACT/ OPTIMAL
	2.0			20D						SST			

Sample Part Number: **ATOM-02-DW-2.0-20/27-DRY-20D-S1-BW-CLS-WH-CL2-SST-ST-48"-E**

A1 PRODUCT

ATOM-02-DW
ATOM-02-DW-USA

Select USA option for BAA and BABA projects. Only DRY ratings apply. DMP options will require custom modifications, contact factory.

LED engine is built with 3 wires requiring 0-10V, DMX or DALI control. Using DALI, DMX, or non QTL power supplies may double watts/ft. See following pages for compatible power supplies.

A2 WATTS/FT

2.0	2.0W/ft

A3 CCT

18/30	1800K/3000K
18/35	1800K/3500K
20/27	2000K/2700K
20/30	2000K/3000K
24/40	2400K/4000K
27/40	2700K/4000K
27/55	2700K/5500K

A4 RATED

DRY	IP20
DMP	IP54

A5 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

A6 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.

A7 CONNECTOR/ WIRE IN

BW	Bare Wire (Standard 24")
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")
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)

A8 CONNECTOR/ WIRE OUT

CLS	Closed End (No feed)

BW	Bare Wire (Standard 24")
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)

A9 WIRE COLOR

WH	White
BK	Black

A10 WIRE TYPE

CL2	Class 2
CL2P	Plenum Rated

CL2P only available with bare wire leads (BW)

A11 MOUNTING

SST	Stainless Steel

A12 FINISH

ST	Satin
BK	Black
CU	Custom

Custom finishes require a longer lead time, consult factory

A13 LENGTH (IN)

Minimum length is 12", maximum length is 98.43" not including end caps. Contact us for lengths under 12".

A14 EXACT/ OPTIMAL

E	Exact specified length
O	Optimal illumination

5 year warranty | Warranty only valid with QTL power supplies | Field modifications must comply with QTL's installation methods otherwise warranty is null & void | Data subject to change, all data has +/- 5% tolerance

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Specification subject to change. Rev-08-16-26

MICRO 5 ATOM-OPTICS (02) FOR WARM DIM APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

B. Field Assembled Option

B1 PRODUCT	B2 FINISH	B3 MOUNTING	B4 LENS	B5 WIRE INPUT/ OUTPUT	B6 EXTRUSION LENGTH (IN)	B7 V/ WATTS	B8 RATED	B9 CCT - LUMENS/ CRI	B10 CONNECTOR/ WIRE IN	B11 CONNECTOR/ WIRE OUT	B12 WIRE COLOR	B13 WIRE TYPE	B14 ILLUMINATED LENGTH
ATOM-02		SST	20D	NI		DW24-5MM/2.0			BW	CLS		CL2	

EXTRUSION ORDERING

Sample Part Number: **ATOM-02-ST-SST-20D-NI-98.43"**

B1 PRODUCT

ATOM-02

B2 FINISH

ST Satin
BK Black
CU Custom

Custom finishes require a longer lead time, consult factory

B3 MOUNTING

SST Stainless Steel

B4 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

B5 WIRE INPUT/OUTPUT

NI Not Installed

B6 EXTRUSION LENGTH (IN)

1" increments from 1" - 98.43"
Tolerance +0.0"/-0.5"

LED STRIP ORDERING

Sample Part Number: **DW24-5MM/2.0-DRY-20/27-BW-CLS-WH-CL2-48"**

B7 V/WATTS

DW24-5MM/2.0

Wattage: 2.0W/ft
Voltage: 24VDC
See following pages for compatible power supplies.

B8 RATED

DRY IP20
DMP IP54

B9 CCT - LUMENS/CRI

18/30	1800K/3000K
18/35	1800K/3500K
20/27	2000K/2700K
20/30	2000K/3000K
24/40	2400K/4000K
27/40	2700K/4000K
27/55	2700K/5500K

B10 CONNECTOR/WIRE IN

BW Bare Wire (Standard 24")

B11 CONNECTOR/WIRE OUT

CLS Closed End (No feed)

B12 WIRE COLOR

WH White
BK Black

B13 WIRE TYPE

CL2 Class 2

B14 ILLUMINATED LENGTH

2"-576" in 2" increments

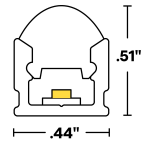
Available in Class 2 reel length of 48'. Each reel will have a 2' soldered lead wire attached.

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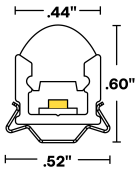
MICRO 5 ATOM-OPTICS (02) FOR WARM DIM APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

A1 / B1 PRODUCT - DIMENSIONS



Profile with 20D lens



Profile with 20D lens and stainless steel mounting clip

A2 / B9 DELIVERED LUMENS

[Calculated L70 = 70000 hrs]
Tested with ATOM-02-DW-2.0-**-DRY

	2000K		2700K		3000K		4000K		5500K	
	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI
20D	124	93	130	98	140	98	146	98	156	97

A5 / B4 DIODE VISIBILITY

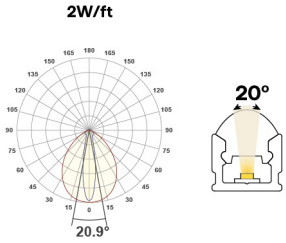


DF - Diffused lens

FR - Frosted lens

PHOTOMETRIC PERFORMANCE

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



20D lens at 3000K

TEMPERATURE RATINGS

		DW 2.0 W/FT		DW 4.0 W/FT	
		QTL power supply other than DALI, DMX		DALI, DMX, or non-QTL power supply	
		Min	Max	Min	Max
DRY	Ambient Operating Temp - Surface	-4°F	140°F	-4°F	120°F
DMP	Ambient Operating Temp - Surface	-4°F	140°F	-4°F	120°F

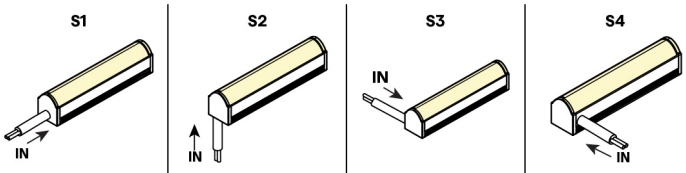
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MICRO 5 ATOM-OPTICS (02) FOR WARM DIM APPLICATIONS

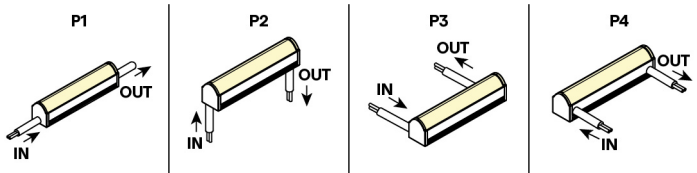
24VDC Linear Fixtures - Surface & Recessed

A6 WIRE INPUT/OUTPUT

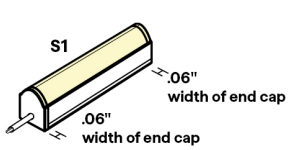
SINGLE (Input only)



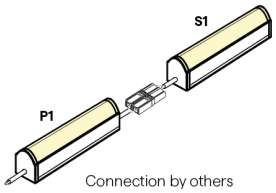
PASS THROUGH (Input/Output) - Only applicable for Non-Field Cuttable Q-CAP



CONFIGURATION OPTIONS

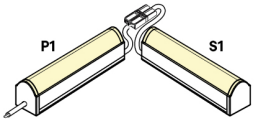


Single End Feed



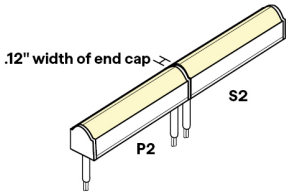
Connection by others

Non-Continuous End Feed

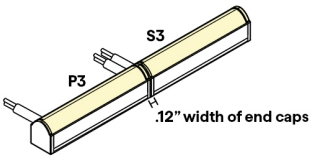


Connection by others

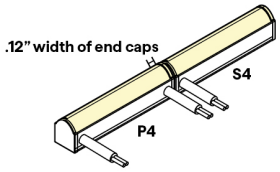
Non-Continuous Corner Feed



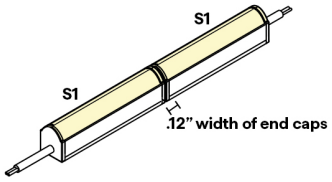
Continuous Bottom Feed



Continuous Side Feed - Left



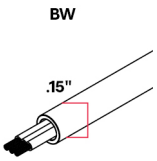
Continuous Side Feed - Right



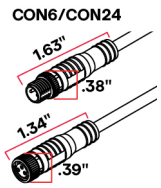
Continuous End to End Feed

A7 / A8 / B10 / B11 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

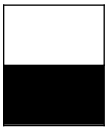


Bare Wire 24"
22 AWG



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

A9 / B12 WIRE COLOR



White

Black

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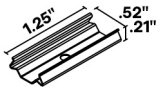
Specification subject to change. Rev-08-16-26

MICRO 5 ATOM-OPTICS (02) FOR WARM DIM APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

A11 / B3 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

A12 FINISH

Satin

Black

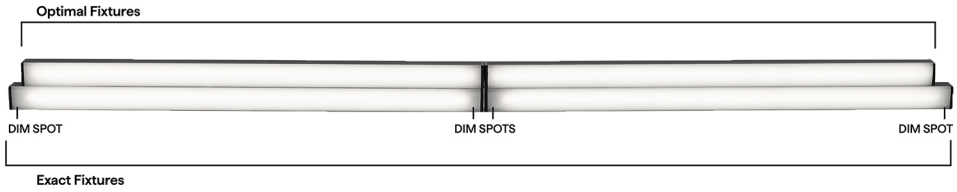
Custom finishes require a longer lead time, consult factory

A15 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.



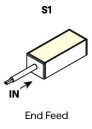
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MICRO 5 ATOM-OPTICS (02) FOR WARM DIM APPLICATIONS

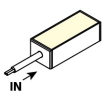
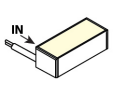
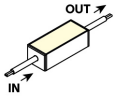
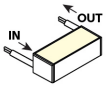
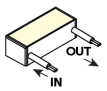
24VDC Linear Fixtures - Surface & Recessed

DW DRY DMP LENGTHS BY INCH

EXACT LENGTH

Requested Length	Potential dim spot on either end of a S1 fixture  End Feed
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

Requested Nominal Length	S1 & S2 & S3 & S4				P1 & P2 & P3 & P4			
	S1  End Feed	S2  Bottom Feed	S3  Side Feed - Left	S4  Side Feed - Right	P1  End Feed	P2  Bottom Feed	P3  Side Feed - Left	P4  Side Feed - Right
12"	10.48"				10.83"			
13"	12.48"				12.83"			
14"	12.48"				12.83"			
15"	14.48"				14.83"			
16"	14.48"				14.83"			
17"	16.48"				16.83"			
18"	16.48"				16.83"			
19"	18.48"				18.83"			
20"	18.48"				18.83"			
21"	20.48"				20.83"			
22"	20.48"				20.83"			
23"	22.48"				22.83"			
24"	22.48"				22.83"			
36"	34.48"				34.83"			
48"	46.48"				46.83"			
60"	58.48"				58.83"			
72"	70.48"				70.83"			
84"	82.48"				82.83"			
96"	94.48"				94.83"			

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-DW Warm Dim Applications
0.1%	QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+WD QT-CAB-eLED+WD-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT8 QTM-eLED+DALI-DT8-AWN QTM-eLED+WD QTM-eLED+WD-AWN QZ-DMX QZ-DW
1%	QZ-DALI-DT8
10%	Non-Dim Power Supply with WD App Dongle

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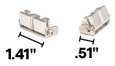
MICRO 5 ATOM-OPTICS (02) FOR WARM DIM APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

DIMMING PROTOCOL	INDOOR
	MICRO 5-DW Warm Dim Applications
Phase	QZ-DW
0-10V	QT-CAB-eLED+WD QT-CAB-eLED+WD-AWN QTM-eLED+WD QTM-eLED+WD-AWN QZ-DW
Lutron Athena	QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+WD-AWN QTM-eLED+DALI-DT8-AWN QTM-eLED+WD-AWN
DMX LED wattage must be doubled for DW-HE products	QZ-DMX
DALI-2: DT6 LED wattage must be doubled for DW-HE products except for AWN	QT-CAB-eLED+DALI-DT6 QTM-eLED+DALI-DT6
DALI-2: DT8 LED wattage must be doubled for DW-HE products except for AWN	QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DALI-DT8-AWN QTM-eLED+DALI-DT8 QTM-eLED+DALI-DT8-AWN QZ-DALI-DT8
SCENE App Dimmed	Non-Dim Power Supply with WD App Dongle

COMPATIBLE MOUNTING ACCESSORIES

HINGE - HMB-S



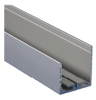
Adjustable mounting bracket - Small

VHB



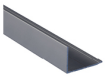
Double sided mounting tape

NJ-GRAZER



J Mounting Bracket

BL-GRAZER



Backwards L Mounting Bracket

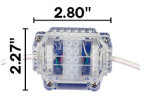
NU-GRAZER



U Mounting Bracket

COMPATIBLE WIRING ACCESSORIES

Q-mini-J5



UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)

COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE



Wi-Fi or Bluetooth Connectivity

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MICRO 5 ATOM-OPTICS (02) FOR WARM DIM APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

COMPATIBLE APPS

NFC APP

Read and write DMX addresses and adjust voltage

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