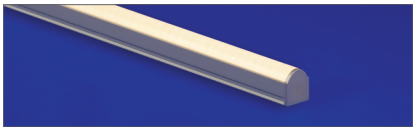
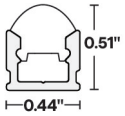
MICRO 5 ATOM-OPTICS (02) FOR WARM DIM APPLICATIONS

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

INFORMATION REQUIRED FOR LIGHTING SCHEDULE

A1	A2	A3	A4	A5	A6
PRODUCT	WATTS/ FT	CCT	RATED	LENS	EXTERNAL LOUVER
	2.0			20D	

ADDITIONAL INFORMATION REQUIRED TO ORDER

A7	A8	A9	A10	A11	A12	A13	A14	A15
WIRE INPUT/ OUTPUT	CONNECTOR/ WIRE IN	CONNECTOR/ WIRE OUT	WIRE COLOR	WIRE TYPE	MOUNTING	FINISH	LENGTH (IN)	EXACT/ OPTIMAL
					SST			

Sample Part Number: **ATOM-02-DW-2.0-20/27-DRY-20D-L1-WH-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 EXTERNAL LOUVER

L1-WH White Plastic
L1-BK Black Plastic
N/A No Louver

Plastic Louvers come in 12" lengths, multiple pieces will be used to match fixture length.

A7 WIRE INPUT/OUTPUT

SINGLE (Input only)
S1 End Feed
S2 Bottom Feed
S3 Left Side Feed
S4 Right Side Feed

For continuous mounting, consider bottom feed.

PASS THROUGH (Input/output)
P1 End Feed
P2 Bottom Feed
P3 Left Side Feed
P4 Right Side Feed

For continuous mounting, consider bottom feed.

A8 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)

A9 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)

A10 WIRE COLOR

WH White
BK Black

A11 WIRE TYPE

CL2 Class 2
CL2P Plenum Rated

CL2P only available with bare wire leads (BW)

A12 MOUNTING

SST Stainless Steel

A13 FINISH

ST Satin
BK Black
CU Custom

Custom finishes require a longer lead time, consult factory

A14 LENGTH (IN)

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

A15 EXACT/OPTIMAL

E Exact specified length
O Optimal illumination

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.

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

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Specification subject to change. Rev-10-08-26

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

24VDC Linear Fixtures - Surface & Recessed

B. Field Assembled Option

EXTRUSION ORDERING

B1 PRODUCT	B2 FINISH	B3 MOUNTING	B4 LENS	B5 WIRE INPUT/ OUTPUT	B6 EXTRUSION LENGTH (IN)
ATOM-02		SST	20D	NI	

LED STRIP ORDERING

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
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"
Extrusion Tolerance +0 -1/8".

LED STRIP ORDERING

Sample Part Number: **DW24-5MM/2.0-DRY-20/27-BW-CLS-WH-CL2-100"**

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

Order LED length needed for each run. Lengths cannot exceed 48' (Class 2). All lengths will have a 2' soldered lead wire attached. This product is not to be field-soldered.

REQUIRED ACCESSORY

UNIV-ROLLER



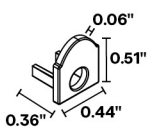
Roller tool used to lay MICRO 5 LED strips into extrusion housing

Included and required for all MICRO 5 field assembled options

To order additional, use UNIV-ROLLER

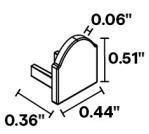
END CAPS

One pair of end caps is provided with each length of extrusion ordered.



Feed

To order separately, use ATOM-OP-EC



No Feed

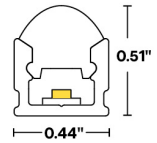
To order separately, use ATOM-OP-EC

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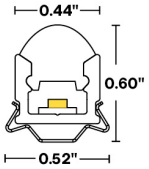
MICRO 5 ATOM-OPTICS (02) FOR WARM DIM APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

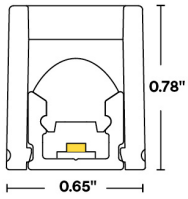
A1 / B1 PRODUCT - DIMENSIONS



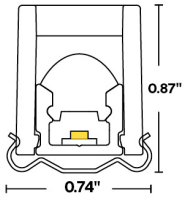
Profile with 20D lens



Profile with 20D lens and stainless steel mounting clip



Profile with external louver



Profile with stainless steel mounting clip & external louver

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

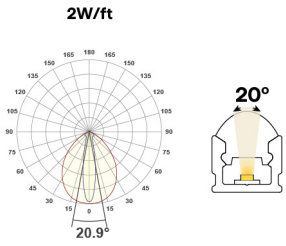
A5 / B4 DIODE VISIBILITY



Optical 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

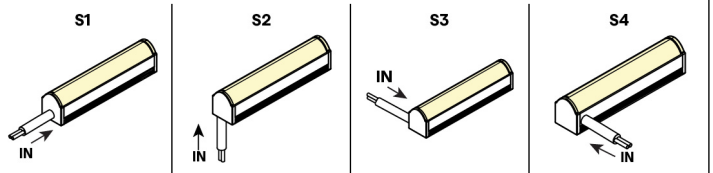
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MICRO 5 ATOM-OPTICS (02) FOR WARM DIM APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

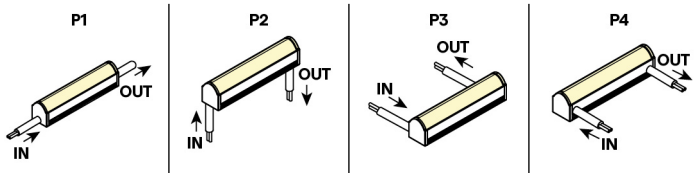
A7 WIRE INPUT/OUTPUT

SINGLE (Input only)



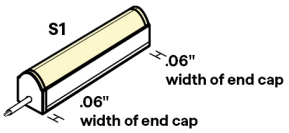
End Feed | Bottom Feed | Side Feed - Left | Side Feed - Right

PASS THROUGH (Input/Output)

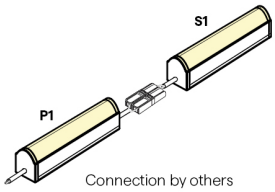


End Feed | Bottom Feed | Side Feed - Left | Side Feed - Right

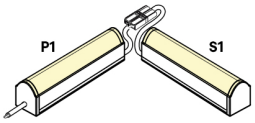
CONFIGURATION OPTIONS



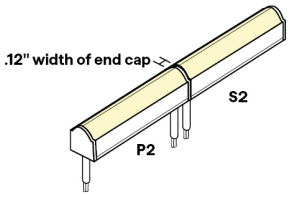
Single End Feed



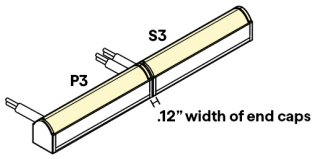
Non-Continuous End Feed



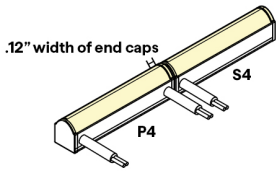
Non-Continuous Corner Feed



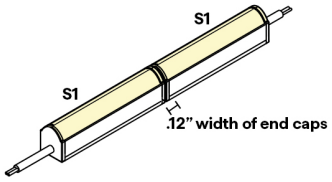
Continuous Bottom Feed



Continuous Side Feed - Left



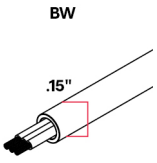
Continuous Side Feed - Right



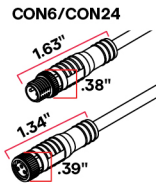
Continuous End to End Feed

A8 / A9 / 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

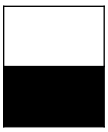


Bare Wire 24"
22 AWG



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

A10 / B12 WIRE COLOR



White

Black

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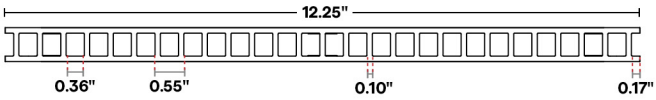
Specification subject to change. Rev-10-08-26

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

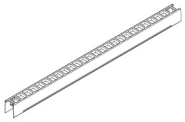
24VDC Linear Fixtures - Surface & Recessed

EXTERNAL LOUVER ACCESSORY

PLASTIC

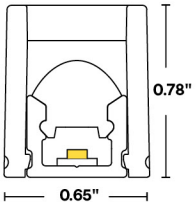


L1-XX



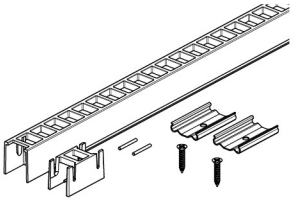
Lumen Multiplier

WH	BK
0.XX	0.XX



Profile with external louver

MICRO EXTERNAL LOUVER KIT



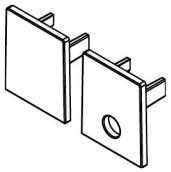
12.25" external louver, louver connector, 2x SST-01 clips, and 2x gaskets

1 kit included per every ft

To order more kits:
White: MICRO5-L1-KIT-WH
Black: MICRO5-L1-KIT-BK

Each kit comes with 2x #4 x 5/8" Flat Head SS

MICRO EXTERNAL LOUVER END CAPS



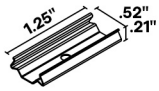
1 feed and 1 no feed end cap

1 kit included per every length

To order more kits:
White: MICRO5-L1-EC-WH
Black: MICRO5-L1-EC-BK

A12 / 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

A13 / B2 FINISH

Satin

Black

Custom finishes require a longer lead time, consult factory

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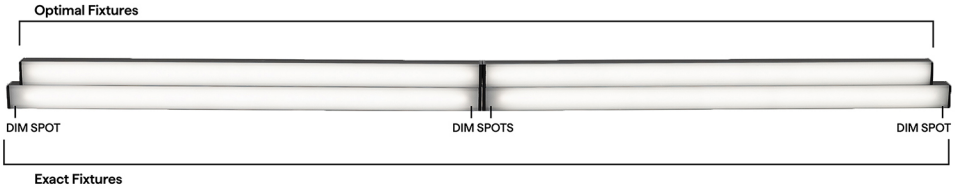
MICRO 5 ATOM-OPTICS (02) FOR WARM DIM APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

A15 EXACT/OPTIMAL FIXTURE LENGTH

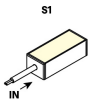
E/O Length Calculator → E/O Explained →

Exact fixtures are the exact length specified +0 – 1/8". 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.

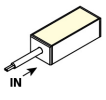
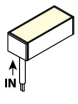
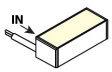
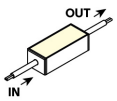
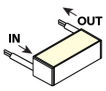
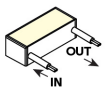


DW DRY DMP LENGTHS BY INCH

EXACT LENGTH

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

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

24VDC Linear Fixtures - Surface & Recessed

COMPATIBLE POWER SUPPLIES

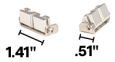
See power supplies cut sheets for more information. Data subject to change, all data has +/- 5% tolerance.

DIM TO LEVEL	INDOOR
	MICRO 5-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

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



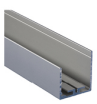
Adjustable mounting bracket - Small

VHB



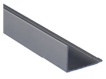
Double sided mounting tape

NJ-GRAZER



J Mounting Bracket

BL-GRAZER



Backwards L Mounting Bracket

NU-GRAZER



U Mounting Bracket

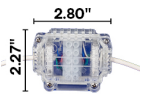
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MICRO 5 ATOM-OPTICS (02) FOR WARM DIM APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

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

COMPATIBLE APPS

NFC APP

Q-NFC

Read and write DMX addresses and adjust voltage

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