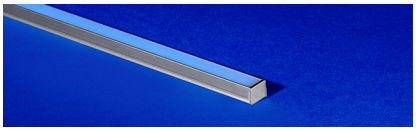
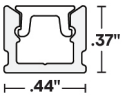
MICRO 5 ATOM-FLAT (01) RGB

24VDC Linear Fixtures - Surface & Recessed





- MICRO 5 Series linear LED fixture engineered for exceptional light quality and even distribution, seamlessly blending with millwork details
- 60% smaller than ESSENTIALS-TORQ
- Delivers equivalent efficacy as standard size fixtures
- Choose from diffused or frosted lens options for varying diode visibility and beam angles
- 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
- Red, Green, and Blue LED allows for color changing applications
- 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
PRODUCT	WATTS/ FT	CCT	RATED	LENS
ATOM-01-RGB	4.0	RGB		

ADDITIONAL INFORMATION REQUIRED TO ORDER

A6	A7	A8	A9	A10	A11	A12	A13	A14
WIRE INPUT/ OUTPUT	CONNECTOR/ WIRE IN	CONNECTOR/ WIRE OUT	WIRE COLOR	WIRE TYPE	MOUNTING	FINISH	LENGTH (IN)	EXACT/ OPTIMAL
					SST			

Sample Part Number: **ATOM-01-RGB-4.0-RGB-DRY-FR-L1-WH-S1-BW-CLS-WH-CL2-SST-ST-48"-E**

A1 PRODUCT

ATOM-01-RGB

See following pages for compatible power supplies.

A2 WATTS/FT

4.0 4.0W/ft

A3 CCT

RGB

A4 RATED

DRY IP20
DMP IP54

A5 LENS

DF Diffused
FR Frosted

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

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.

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

PRELIMINARY SUBJECT TO CHANGE

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

© 2026 QTL. All rights reserved | 155 Hill St. Milford, CT 06460 | 203-367-8777 | sales@QTL.lighting | www.QTL.lighting

Specification subject to change. Rev-09-04-26

MICRO 5 ATOM-FLAT (01) RGB

24VDC Linear Fixtures - Surface & Recessed

B. Field Assembled Option

EXTRUSION ORDERING

B1	B2	B3	B4	B5	B6
PRODUCT	FINISH	MOUNTING	LENS	WIRE INPUT/ OUTPUT	EXTRUSION LENGTH (IN)
ATOM-01		SST		NI	

LED STRIP ORDERING

B7	B8	B9	B10	B11	B12	B13	B14
V/ WATTS	RATED	CCT - LUMENS/ CRI	CONNECTOR/ WIRE IN	CONNECTOR/ WIRE OUT	WIRE COLOR	WIRE TYPE	ILLUMINATED LENGTH
RGB24-5MM/4.0		RGB	BW	CLS		CL2	

EXTRUSION ORDERING

Sample Part Number: **ATOM-01-ST-SST-DF-NI-98.43"**

B1 PRODUCT

ATOM-01

B2 FINISH

ST Satin
BK Black
CU Custom

Custom finishes require a longer lead time, consult factory

B3 MOUNTING

SST Stainless Steel

B4 LENS

DF Diffused
FR Frosted

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: **RGB24-5MM/4.0-DRY-RGB-BW-CLS-WH-CL2-48"**

B7 V/WATTS

RGB24-5MM/4.0

Wattage: 4.0W/ft
Voltage: 24VDC
See following pages for compatible power supplies.

B8 RATED

DRY IP20
DMP IP54

B9 CCT - LUMENS/CRI

RGB

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"-288" in 2" increments

Available in Class 2 reel length of 24'. Each reel will have a 2' soldered lead wire attached. This product is not to be field-soldered.

REQUIRED ACCESSORY

UNIV-ROLLER



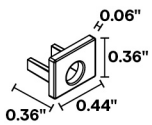
Roller tool used to lay MICRO 5 LED strips into extrusion housing

Included and required for all MICRO 5 field assembled options

To order additional, use UNIV-ROLLER

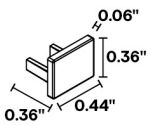
END CAPS

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



Feed

To order separately, use ATOM-EC



No Feed

To order separately, use ATOM-EC

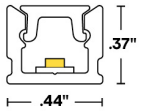
PRELIMINARY
SUBJECT TO CHANGE

© 2026 QTL. All rights reserved | 155 Hill St. Milford, CT 06460 | 203-367-8777 | sales@QTLlighting | www.QTLlighting

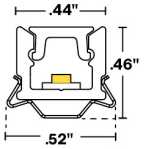
MICRO 5 ATOM-FLAT (01) RGB

24VDC Linear Fixtures - Surface & Recessed

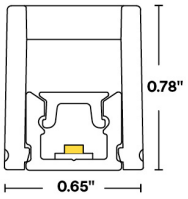
A1 / B1 PRODUCT - DIMENSIONS



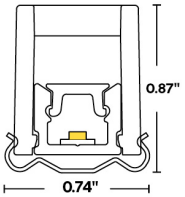
Profile with flat lens



Profile with flat lens and stainless steel mounting clip



Profile with external louver



Profile with stainless steel mounting clip & external louver

A2 / B9 DELIVERED LUMENS

[Calculated L70 = 52000 hrs]
Tested with ATOM-01-RGB-4.0-RGB-DRY

	Red		Green		Blue		All
	LM/FT	Wavelength	LM/FT	Wavelength	LM/FT	Wavelength	LM/FT
FR	32	629	101	523	30	470	146
DF	21	631	61	523	19	471	88

A5 / B4 DIODE VISIBILITY

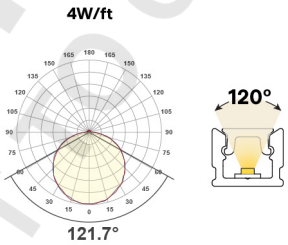


DF - Diffused lens

FR - Frosted lens

PHOTOMETRIC PERFORMANCE

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



DF lens in green

TEMPERATURE RATINGS

		4.0 W/FT	
		Min	Max
DRY	Ambient Operating Temp - Surface	-4°F	120°F
DMP	Ambient Operating Temp - Surface	-4°F	120°F

PRELIMINARY
SUBJECT TO CHANGE

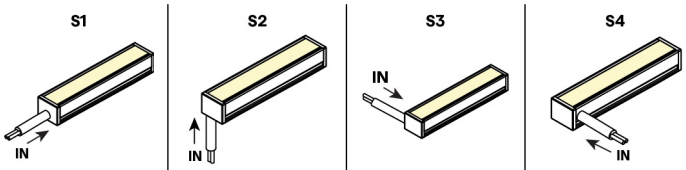
© 2026 QTL. All rights reserved | 155 Hill St. Milford, CT 06460 | 203-367-8777 | sales@QTLlighting | www.QTLlighting

MICRO 5 ATOM-FLAT (01) RGB

24VDC Linear Fixtures - Surface & Recessed

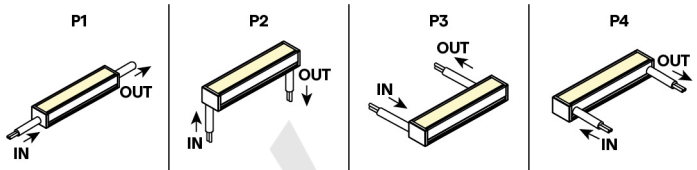
A6 WIRE INPUT/OUTPUT

SINGLE (Input only)



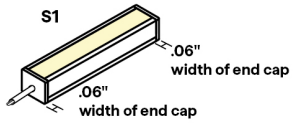
End Feed | Bottom Feed | Side Feed - Left | Side Feed - Right

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

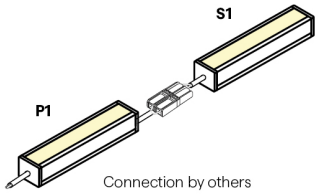


End Feed | Bottom Feed | Side Feed - Left | Side Feed - Right

CONFIGURATION OPTIONS

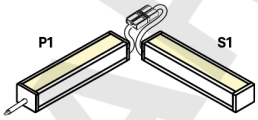


Single End Feed



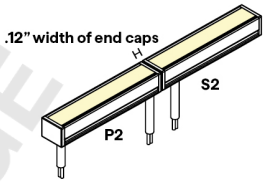
Connection by others

Non-Continuous End Feed

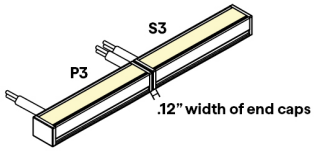


Connection by others

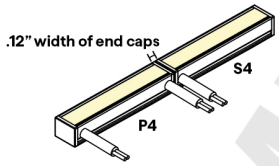
Non-Continuous End Feed



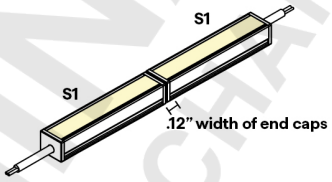
Continuous Bottom Feed



Continuous Side Feed - Left



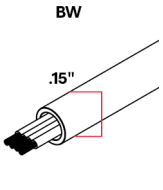
Continuous Side Feed - Right



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 | 24 AWG
IP67 Rated, UL Listed

A9 / B12 WIRE COLOR

White

Black

PRELIMINARY
SUBJECT TO CHANGE

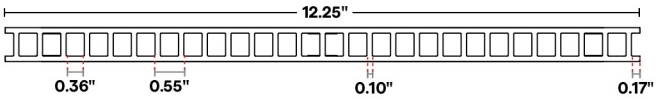
© 2026 QTL. All rights reserved | 155 Hill St. Milford, CT 06460 | 203-367-8777 | sales@QTLlighting | www.QTLlighting

MICRO 5 ATOM-FLAT (01) RGB

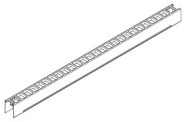
24VDC Linear Fixtures - Surface & Recessed

EXTERNAL LOUVER ACCESSORY

PLASTIC

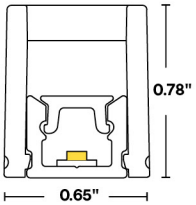


L1-XX



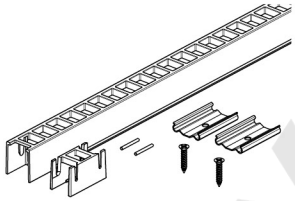
Lumen Multiplier

WH	BK
0.XX	0.XX



Profile with external louver

MICRO EXTERNAL LOUVER KIT



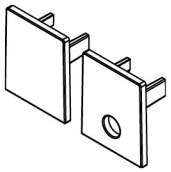
12.25" external louver, louver connector, 2x SST-01 clips, and 2x gaskets

Sold separately

To order 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



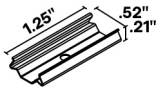
1 feed and 1 no feed end cap

Sold separately for field assembly only

To order kits:
White: MICRO5-L2-KIT-WH
Black: MICRO5-L2-KIT-BK

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

PRELIMINARY
SUBJECT TO CHANGE

© 2026 QTL. All rights reserved | 155 Hill St. Milford, CT 06460 | 203-367-8777 | sales@QTLlighting | www.QTLlighting

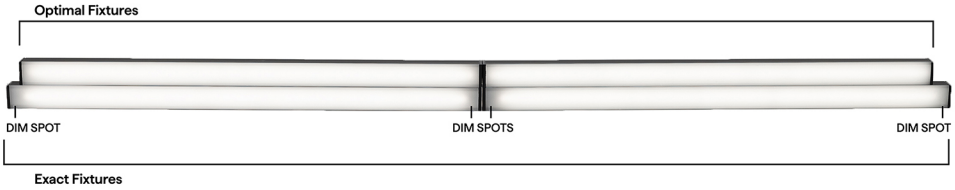
MICRO 5 ATOM-FLAT (01) RGB

24VDC Linear Fixtures - Surface & Recessed

A14 EXACT/OPTIMAL FIXTURE LENGTH

E/O Length Calculator → E/O Explained →

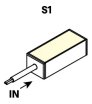
Exact fixtures are the exact length specified. Optimal fixtures' length is rounded down based on LED cut points to allow the fixture to be illuminated end to end. For runs with multiple fixtures that need to fill a specific length, it's recommended to order all optimal fixtures with an exact fixture at the end of the run.



RGB DRY DMP LENGTHS BY INCH

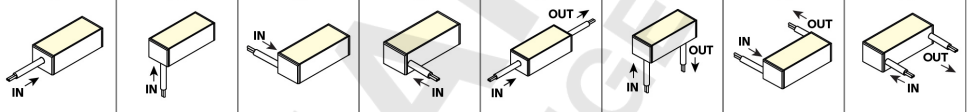
EXACT LENGTH

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"			



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-RGB
0.1%	QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DMX QTM-eLED+DALI-DT8 QTM-eLED+DMX QZ-DMX
1%	QZ-DALI-DT8
10%	Non-Dim Power Supply with RGB App Dongle

PRELIMINARY SUBJECT TO CHANGE

© 2026 QTL. All rights reserved | 155 Hill St. Milford, CT 06460 | 203-367-8777 | sales@QTL.lighting | www.QTL.lighting

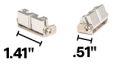
MICRO 5 ATOM-FLAT (01) RGB

24VDC Linear Fixtures - Surface & Recessed

DIMMING PROTOCOL	INDOOR
	MICRO 5-RGB
DMX	QTM-eLED+DMX QZ-DMX
DALI-2: DT8	QT-CAB-eLED+DALI-DT8 QTM-eLED+DALI-DT8 QZ-DALI-DT8

COMPATIBLE MOUNTING ACCESSORIES

HINGE - HMB-S



Adjustable mounting bracket - Small

QUOVA-MICRO



QUOVA Knife Edge

VHB



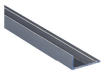
Double sided mounting tape

NJ-MICRO



J Mounting Bracket

BL-MICRO



Backwards L Mounting Bracket

NL-MICRO



L Mounting Bracket

SD-L-MICRO



L Mounting Bracket

PRELIMINARY
SUBJECT TO CHANGE

© 2026 QTL. All rights reserved | 155 Hill St. Milford, CT 06460 | 203-367-8777 | sales@QTL.lighting | www.QTL.lighting