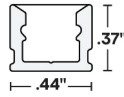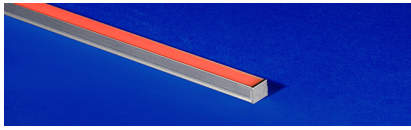# MICRO 5 ATOM-ENCAPSULATED (03) RGB

24VDC Linear Fixtures - Surface & Recessed

- MICRO 5 Series linear LED fixture engineered for exceptional light quality and even distribution, seamlessly blending with millwork details
- Features high quality LED strips encapsulated in polyurethane in a rigid extrusion providing a robust fixture
- Encapsulation available in clear or translucent
- Suitable for indoor and outdoor locations
- 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
- Red, Green, and Blue LED allows for color changing applications

INFORMATION REQUIRED FOR LIGHTING SCHEDULE

① PRODUCT	② WATTS/ FT	③ CCT	④ RATED	⑤ LENS
ATOM-03-RGB	4.0	RGB	ENC	

ADDITIONAL INFORMATION REQUIRED TO ORDER

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
					SST			

Sample Part Number: **ATOM-03-RGB-4.0-RGB-DRY-TL-S1-BW-CLS-WH-CL2-SST-ST-48"-E**

① PRODUCT

ATOM-03-RGB

See following pages for compatible power supplies.

② WATTS/FT

4.0 — 4.0W/ft

③ CCT

RGB

④ RATED

ENC — IP67

⑤ LENS

CL — Clear
TL — Translucent

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

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.

⑦ 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)

⑧ 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)

⑨ WIRE COLOR

WH — White
BK — Black

⑩ WIRE TYPE

CL2 — Class 2
CL2P — Plenum Rated

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

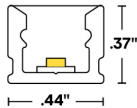**E** — Exact specified length
O — Optimal illumination

MICRO 5 ATOM-ENCAPSULATED (03) RGB
24VDC Linear Fixtures - Surface & Recessed

1 PRODUCT - DIMENSIONS

.37"
.44"

Profile

.44"
.46"
.52"
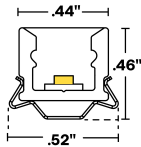
Profile with stainless steel
mounting clip

2 DELIVERED LUMENS

[Calculated L70 = 40000 hrs]
Tested with ATOM-03-RGB-4.0-RGB-ENC

	Red		Green		Blue		All
	LM/FT	Wavelength	LM/FT	Wavelength	LM/FT	Wavelength	LM/FT
CL	26	630	83	523	25	470	120
TL	20	629	59	522	19	469	86

5 DIODE VISIBILITY

ENC/CL - Clear encapsulation

ENC/TL - Translucent encapsulation

PHOTOMETRIC PERFORMANCE

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

4W/ft

120°

125.7°
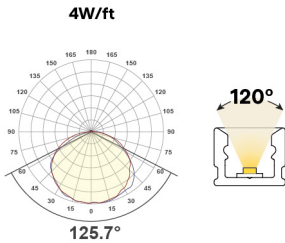
ENC/CL in green

TEMPERATURE RATINGS

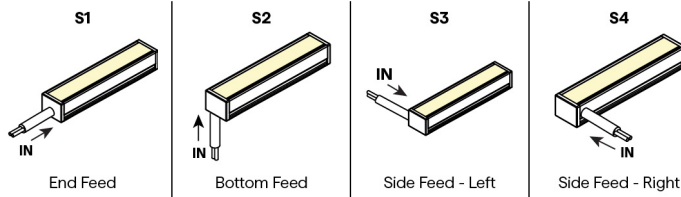|	4.0 W/FT	
	Min	Max
Ambient Operating Temp - Surface	-4°F	115°F

MICRO 5 ATOM-ENCAPSULATED (03) RGB
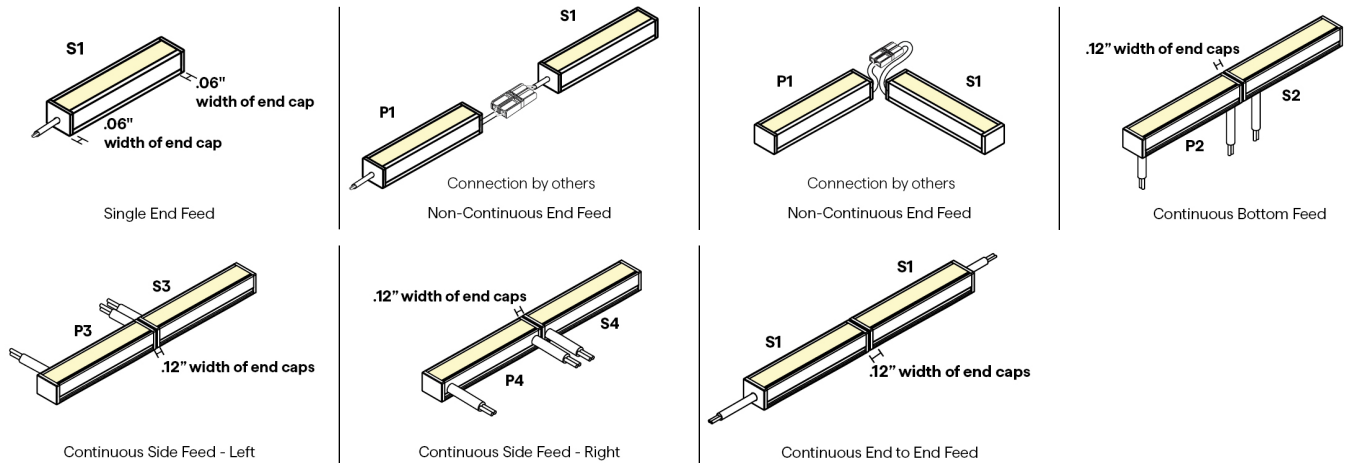## 24VDC Linear Fixtures - Surface & Recessed
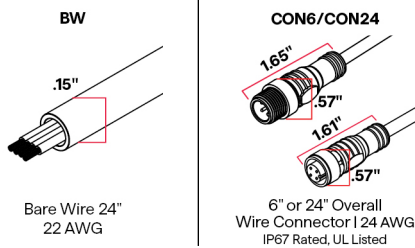
6 WIRE INPUT/OUTPUT

SINGLE (Input only)

S1	S2	S3	S4
IN	IN	IN	IN
End Feed	Bottom Feed	Side Feed - Left	Side Feed - Right

PASS THROUGH (Input/Output)

P1	P2	P3	P4
IN / OUT	IN / OUT	IN / OUT	IN / OUT
End Feed	Bottom Feed	Side Feed - Left	Side Feed - Right

CONFIGURATION OPTIONS

S1
.06" width of end cap
.06" width of end cap

Single End Feed

P1 / S1
Connection by others
Non-Continuous End Feed

P1 / S1
Connection by others
Non-Continuous End Feed

.12" width of end caps
S2
P2
Continuous Bottom Feed

S3 / P3
.12" width of end caps
Continuous Side Feed - Left

.12" width of end caps
S4 / P4
Continuous Side Feed - Right

S1 / S1
.12" width of end caps
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

BW
.15"

Bare Wire 24"
22 AWG

CON6/CON24
1.65"
.57"
1.61"
.57"

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

9 WIRE COLOR

White

Black

11 MOUNTING

SST

1.25"   .52"   .21"

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.

Optimal Fixtures

DIM SPOT   DIM SPOTS   DIM SPOT

Exact Fixtures

RGB ENC LENGTHS BY INCH

EXACT LENGTH

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

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

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.

Optimal Fixtures

DIM SPOT — DIM SPOTS — DIM SPOT

Exact Fixtures

COMPATIBLE POWER SUPPLIES

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

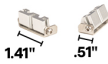| DIM TO LEVEL	INDOOR	OUTDOOR
	MICRO 5-RGB	MICRO 5-RGB
0.1%	QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DMX QTM-eLED+DALI-DT8 QTM-eLED+DMX QZ-DMX	Q-SET-QZ-DMX QOM-eLED+DALI-DT8 QOM-eLED+DMX QOM-eLED+PS-DALI-DT8 QZ-DMX
1%	QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QZ-DALI-DT8
10%	Non-Dim Power Supply with RGB App Dongle	

MICRO 5 ATOM-ENCAPSULATED (03) RGB
24VDC Linear Fixtures - Surface & Recessed

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

COMPATIBLE MOUNTING ACCESSORIES

HINGE - HMB-S

1.41"   .51"

Adjustable mounting bracket - Small
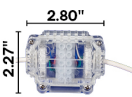
QUOVA-MICRO

QUOVA Knife Edge

VHB

Double sided mounting tape

COMPATIBLE WIRING ACCESSORIES

Q-mini-J5

2.80"

2.27"

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

COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE

1.36"

2.58"

Wi-Fi or Bluetooth Connectivity

COMPATIBLE APPS

NFC APP

Q-NFC

Read and write DMX addresses and adjust voltage