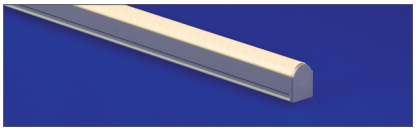
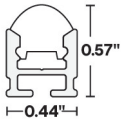
MICRO 5 ALTA-OPTICS (02) STATIC WHITE

24VDC Linear Fixtures - Surface & Recessed

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





- MICRO 5 Series linear LED fixture with an optically enhanced lens engineered for exceptional light quality and even distribution, seamlessly blending with millwork details
- 55% smaller than ESSENTIALS-TALO
- Delivers equivalent efficacy as standard size fixtures
- Ideal for surface mounted or recessed installations that call for focused low-profile light
- Mounting options include stainless steel, magnet or T-bar clips, 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

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
				30D	

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

Sample Part Number: **ALTA-02-SW-1.0-30-DRY-30D-L1-WH-S1-BW-CLS-WH-CL2-SST-ST-48"-E**

A1 PRODUCT

ALTA-02-SW
ALTA-02-SW-USA

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

See following pages for compatible power supplies.

A2 WATTS/FT

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

A3 CCT

18	1800K
20	2000K
22	2200K
24	2400K
27	2700K
30	3000K
35	3500K
40	4000K

A4 RATED

DRY	IP20
DMP	IP54

A5 LENS

30D Optical 30°

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

For continuous mounting, consider bottom feed.
When using TBC Mounting, a bare wire S2 wire feed is recommended.
See install instructions for details.

PASS THROUGH (Input/output)

P1	End Feed
P2	Bottom Feed

For continuous mounting, consider bottom feed.
When using TBC Mounting, a bare wire S2 wire feed is recommended.
See install instructions for details.

A8 CONNECTOR/WIRE IN

BW Bare Wire (Standard 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")

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")

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
MG	Magnet
TBC-09	9/16" Flat or Tegular TB-Grid
TBC-10	15/16" Flat or Tegular TB-Grid

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 ALTA-OPTICS (02) STATIC WHITE

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)
ALTA-02			30D	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
			BW	CLS		CL2	

EXTRUSION ORDERING

Sample Part Number: **ALTA-02-ST-SST-30D-NI-98.43”**

B1 PRODUCT

ALTA-02

B2 FINISH

ST Satin
BK Black
CU Custom

Custom finishes require a longer lead time, consult factory

B3 MOUNTING

SST Stainless Steel
MG Magnet
TBC-09 9/16" Flat or Tegular TB-Grid
TBC-10 15/16" Flat or Tegular TB-Grid

B4 LENS

30D Optical 30°

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: **SW24-5MM/2.0-DRY-30-BW-CLS-WH-CL2-100”**

B7 V/WATTS

SW24-5MM/1.0
SW24-5MM/2.0
SW24-5MM/4.0

Wattage: 1.0W/ft, 2.0W/ft, 4.0W/ft
Voltage: 24VDC
See following pages for compatible power supplies.

B8 RATED

DRY IP20
DMP IP54

B9 CCT - LUMENS/CRI

18 1800K
20 2000K
22 2200K
24 2400K
27 2700K
30 3000K
35 3500K
40 4000K

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

1.0W - 1”-1152” in 1” increments
2.0W - 1”-576” in 1” increments
4.0W - 1”-288” in 1” increments

Order LED length needed for each run. Lengths cannot exceed 96’ at 1.0W, 48’ at 2.0W, or 24’ at 4.0W (Class 2). All lengths will have a 2’ soldered lead wire attached. This product is not to be field-soldered.

REQUIRED ACCESSORY

UNIV-ROLLER



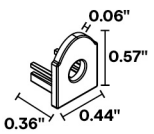
Roller tool used to lay MICRO 5 LED strips into extrusion housing

Included and required for all MICRO 5 field assembled options

To order additional, use UNIV-ROLLER

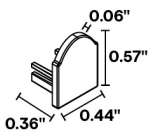
END CAPS

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



Feed

To order separately, use ALTA-OP-EC



No Feed

To order separately, use ALTA-OP-EC

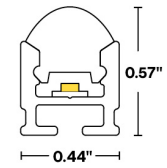
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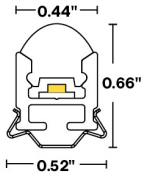
MICRO 5 ALTA-OPTICS (02) STATIC WHITE

24VDC Linear Fixtures - Surface & Recessed

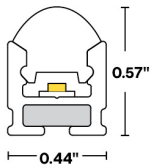
A1 / B1 PRODUCT - DIMENSIONS



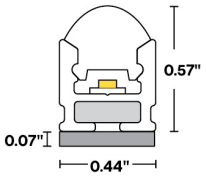
Profile with 30D lens



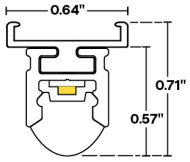
Profile with 30D lens and stainless steel mounting clip



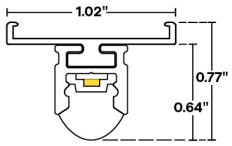
Profile with 30D lens and magnet mounting clip



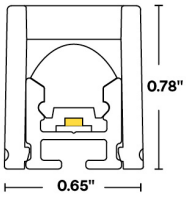
Profile with 30D lens and magnet mount accessory



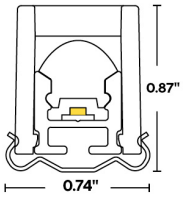
Profile with TBC-09



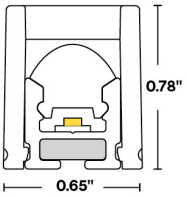
Profile with TBC-10



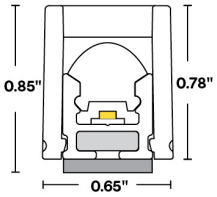
Profile with external louver



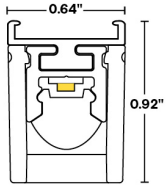
Profile with stainless steel mounting clip & external louver



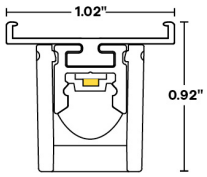
Profile with magnet mounting clip & external louver



Profile with magnet mount clip, magnet mount accessory, & external louver



Profile with TBC-09 & external louver



Profile with TBC-10 & external louver

A2 / B9 DELIVERED LUMENS

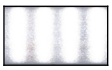
[Calculated L70 = 70000 hrs]
Tested with ALTA-02-SW-**-30-DRY

	1.0 W/FT		2.0 W/FT		4.0 W/FT	
	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI
30D	87	98	165	98	346	98

A5 / B4 DIODE VISIBILITY

SW

30D - Optical 30°



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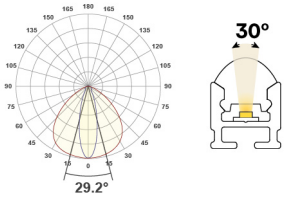
MICRO 5 ALTA-OPTICS (02) STATIC WHITE

24VDC Linear Fixtures - Surface & Recessed

PHOTOMETRIC PERFORMANCE

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

4W/ft



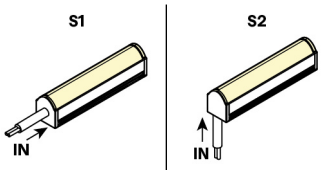
30D lens in 3000K

TEMPERATURE RATINGS

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

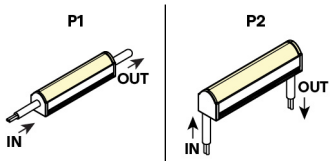
A7 WIRE INPUT/OUTPUT

SINGLE (Input only)



End Feed | Bottom Feed

PASS THROUGH (Input/Output)



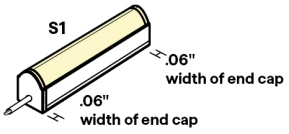
End Feed | Bottom Feed

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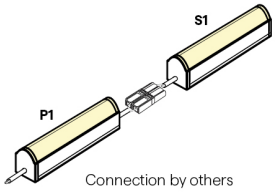
MICRO 5 ALTA-OPTICS (02) STATIC WHITE

24VDC Linear Fixtures - Surface & Recessed

CONFIGURATION OPTIONS

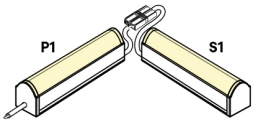


Single End Feed



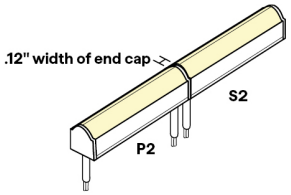
Connection by others

Non-Continuous End Feed

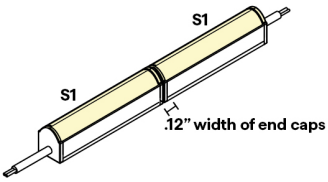


Connection by others

Non-Continuous Corner Feed



Continuous Bottom Feed

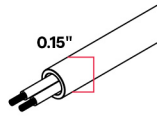


Continuous End to End Feed

A8 / A9 / B10 / B11 CONNECTOR/WIRE – IN/OUT

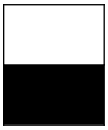
Connector/Wire In or Out not needed to specify product. Typical selection is S1 for Wire Input/Output, BW for Connector/Wire In, N/A for Connector/Wire Out

BW



Bare Wire 24"
22 AWG

A10 / B12 WIRE COLOR



White

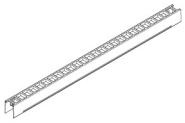
Black

EXTERNAL LOUVER ACCESSORY

PLASTIC

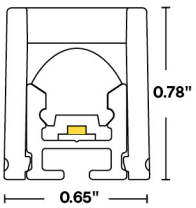


L1-XX



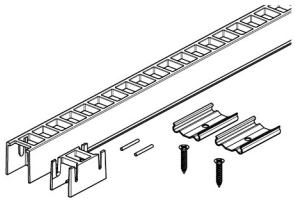
Lumen Multiplier

WH	BK
0.XX	0.XX



Profile with external louver

MICRO EXTERNAL LOUVER KIT



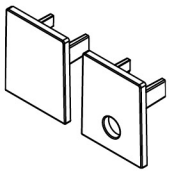
12.25" external louver, louver connector, 2x SST-01 clips, and 2x gaskets

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

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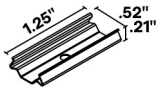
Specification subject to change. Rev-10-08-26

MICRO 5 ALTA-OPTICS (02) STATIC WHITE

24VDC Linear Fixtures - Surface & Recessed

A12 / B3 MOUNTING

SST



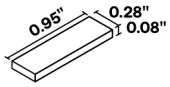
Stainless Steel Clip

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

MG

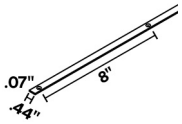


Magnet Clip

One MG provided per foot

To order separately use MG-03

MMA-03



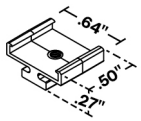
Magnet Mount Accessory for MG-03

96" lengths | Sold separately, to order use MMA-03

Each bracket comes with 2 #6 x 5/8" Flat Head SS per foot

Required when mounting to a non-magnetic surface

TBC-09



Plastic T-Bar Clip

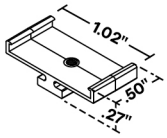
Use on 9/16" Flat or Tegular Drop Ceiling

2 clips provided for first 12"; 1 clip provided for each additional 12" or less length. 1 T-Bar Mounting Jig included with each fixture.

To order separately use TBC-09

Each pair of clips comes with M2.5 x 4mm

TBC-10



Plastic T-Bar Clip

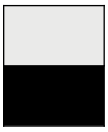
Use on 15/16" Flat or Tegular Drop Ceiling

2 clips provided for first 12"; 1 clip provided for each additional 12" or less length. 1 T-Bar Mounting Jig included with each fixture.

To order separately use TBC-10

Each pair of clips comes with M2.5 x 4mm

A13 / B2 FINISH



Satin

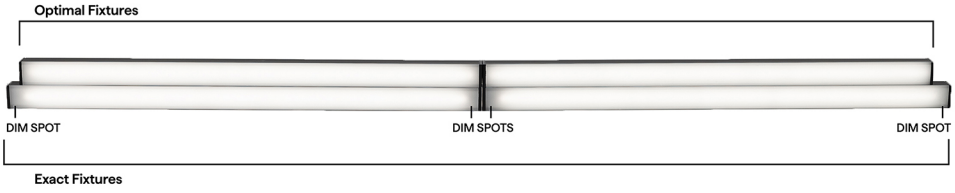
Black

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 +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.



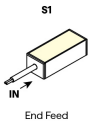
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MICRO 5 ALTA-OPTICS (02) STATIC WHITE

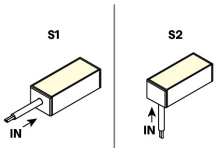
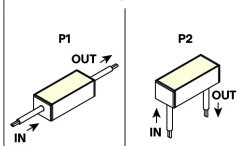
24VDC Linear Fixtures - Surface & Recessed

SW DRY DMP LENGTHS BY INCH

EXACT LENGTH

Requested Length	Potential dim spot on either end of a S1 fixture 
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 	P1 & P2 
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"

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-PRO-PH/0-10V QZ-STICK-PH/0-10V QZLP
1%	Q-DIM QTM-eLED(E) QZ-DALI-DT6
10%	Non-Dim Power Supply with SW App Dongle

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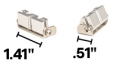
MICRO 5 ALTA-OPTICS (02) STATIC WHITE

24VDC Linear Fixtures - Surface & Recessed

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-PRO-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-PRO-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

COMPATIBLE MOUNTING ACCESSORIES

HINGE - HMB-S



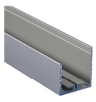
Adjustable mounting bracket - Small

VHB



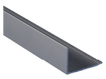
Double sided mounting tape

NJ-GRAZER



J Mounting Bracket

BL-GRAZER



Backwards L Mounting Bracket

NU-GRAZER



U Mounting Bracket

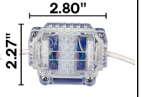
COMPATIBLE WIRING ACCESSORIES

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

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

MICRO 5 ALTA-OPTICS (02) STATIC WHITE

24VDC Linear Fixtures - Surface & Recessed

COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE



Wi-Fi or Bluetooth Connectivity

COMPATIBLE APPS

NFC APP



Read and write DMX addresses and adjust voltage

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