bruck

MICRO

Microline 7x7 Corner Rigid

ORDERING CODE

SERIES	MICRO	microline		
TYPE	MR1-WW	microline rigid 7x7 corner		
LED	SW	standard white		
SIZE	2	2", 50lm delivered		
	4	3-3/4", 100lm delivered		
	6	5-1/2", 150lm delivered		
	7	7-1/4", 175lm delivered		
	9	9-1/16", 225lm delivered		
	11	10-13/16", 275lm delivered		
	12	12-5/8", 300lm delivered		
	18	17-15/16", 450lm delivered		
	24	23-1/4", 600lm delivered		
	36	35-5/8", 900lm delivered		
	46	46-1/4", 1150lm delivered		
		Consult factory for additional lengths		
CCT	18K	1800K		(0.75)
	22K	2200K		(0.80)
	24K	2400K		(0.88)
	27K	2700K		(0.95)
	30K	3000K		(1.00)
	35K	3500K		(1.03)
	40K	4000K		(1.06)
CRI	90[1]	90 CRI+		
	95	95 CRI+		
LENS OPTIONS	C	clear lens		(1.00)
	D	diffused		(0.85)
	UD	ultra diffused		(0.68)
FINISH	BK	black		
	WH	white		
	AL	brushed chrome		
	GD	gold		
	BS	polished brass		
VOLTAGE	24	24V		
ACCESSORIES	See page 2 for details.			

Follow the steps to specify your fixture, example:
MICRO - MR1 - WW - SW - 6 - 30K - 95 - C - BK - 24
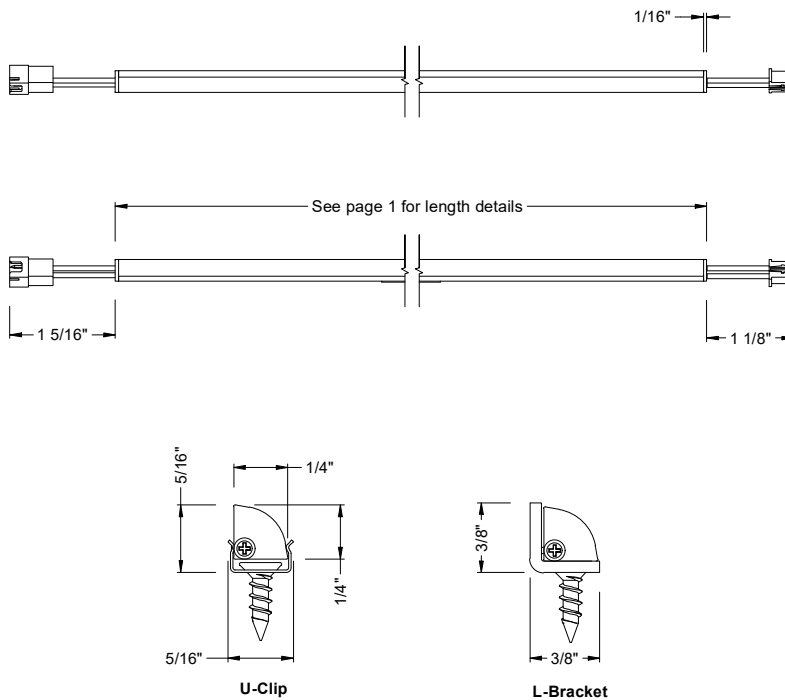
NOTES

1. Available in 18K/22K/24K.

FEATURES

- Discreet 1/4" x 1/4" form factor.
- Max 285 lumens per foot delivered.
- Full range of mounting and finish options available.
- Homogenous light distribution.

HOUSING

- Small form extruded aluminum body.
- Available in black, white, polished brass, gold, and brushed chrome finishes.

MOUNTING

- Surface mount with U-clips or L mounting brackets.
- Capable of being mounted directly to magnetic surfaces.

ELECTRICAL/CONTROLS

- 5W per foot.
- 24V constant voltage remote driver required.
- Maximum 19' run per 96W driver. See wiring guide.

LISTING

- cULus Listed to UL2108

LED INFO

- SMD LED: 90, 95 CRI: SDCM = 3-step MacAdam Ellipse, Lumen Maintenance: L_{70} > 50,000 hrs

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POWER TABLE

MICRO	DELIVERED LUMENS	LED POWER
LENGTHS (IN)	LUMENS (3000K)	W (95CRI+)
2	50	1
4	100	2
6	150	3
7	175	3
9	225	4
11	275	5
12	300	5
18	450	8
24	600	10
36	900	15
46	1150	19

PRODUCT DIMENSIONS

1/16"

See page 1 for length details

1 5/16"   1 1/8"

5/16"   1/4"

1/4"

5/16"   3/8"

U-Clip   **L-Bracket**

3/8"

ACCESSORIES

MICRO-EXT-HARNESS[1]   40" extension harness, microline to driver
MICRO-DRIVER-HARNESS   12" wire leads with female plug, included with driver
MICRO-LBRKT[2]   mounting L-bracket
MICRO-UCLIP[2]   mounting U-clip
MICRO-SCREW[2]   screw for U-clip and brackets

NOTES
1. Do not use more than five (5) harness extensions on a single run.
2. Mounting accessories are only for additional or spare circumstances.
   All Microline include adequate quantity of mounting components.

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REMOTE DRIVER - 24VDC DRIVER

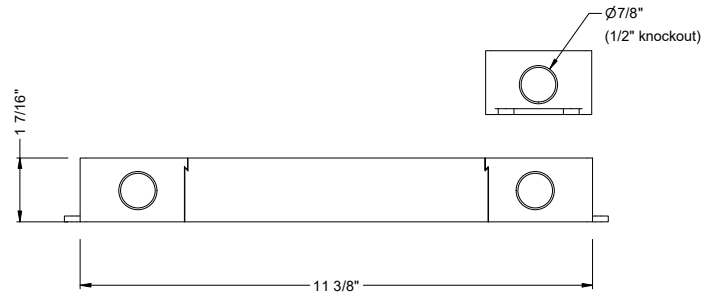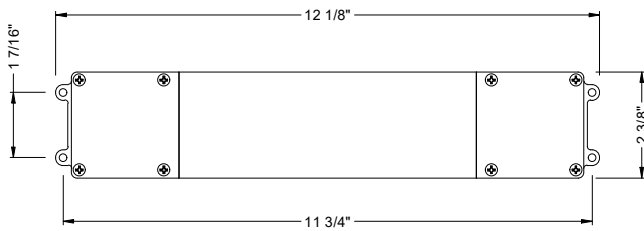| SERIES	P70501-MICRO	LED driver with box and harness
VOLTAGE	24	24V
DIMMING	DIM10	0-10V dimming to 1%
ELECTRICAL OPTIONS	96	96W

ORDERING CODE

Follow the steps to specify your fixture, example:
P70501 - MICRO - 24 - DIM10 - 96

DESCRIPTION

- 0-10V dimmable smooth flicker free dimming down to 1%
- Integrated junction box with multiple 7/8" knockouts
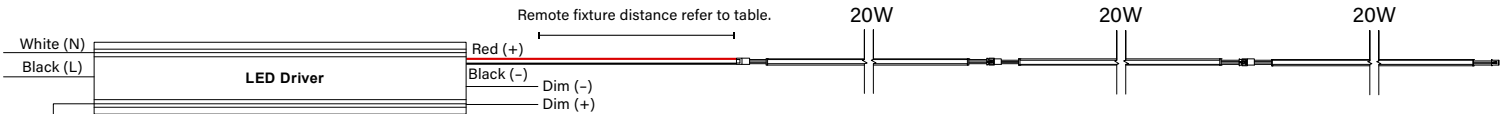- UL2043 plenum rated

ELECTRICAL/CONTROLS

- 120-277Vac, 50/60Hz input
- 24Vdc, 96W output
- 0-10V compatible
- Operating temperature: -13°F to 104°F
- Class II rated
- Short circuit protection
- Overload protection
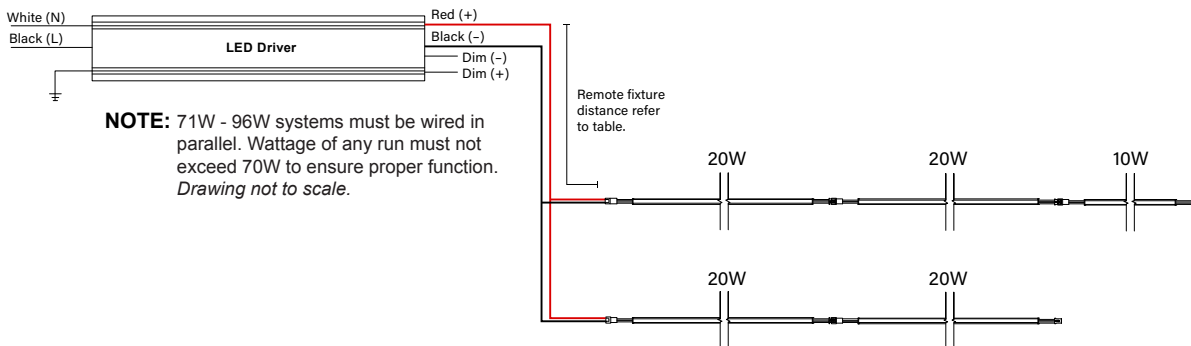- Over-voltage protection
- Thermal protection
- IP 66 rated

Ø7/8"
(1/2" knockout)

12 1/8"
1 7/16"
2 3/8"
11 3/4"

1 7/16"
11 3/8"

WIRING GUIDES

SERIES

White (N)
Black (L)
LED Driver
Red (+)
Black (–)
Dim (–)
Dim (+)

Remote fixture distance refer to table.

20W   20W   20W

NOTE: 0W - 70W systems wired in series OK.
Drawing not to scale.

REMOTE FIXTURE DISTANCE	
AWG VALUE	DISTANCE (FT)
20 AWG (USING MICRO-EXT-HARNESS)1	16.4
16 AWG (BY OTHERS)	30
14 AWG (BY OTHERS)	50
12 AWG (BY OTHERS)	70

1. Five (5) harness extension maximum used to achieve distance.

PARALLEL

White (N)
Black (L)
LED Driver
Red (+)
Black (–)
Dim (–)
Dim (+)

Remote fixture distance refer to table.

20W   20W   10W

20W   20W

NOTE: 71W - 96W systems must be wired in parallel. Wattage of any run must not exceed 70W to ensure proper function.
Drawing not to scale.

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