RAD10 | RADICAL

1-1/4" wide by 1-7/16" tall miniature LED luminaire

bartco
VISIONS BROUGHT TO LIGHT™

Project: _____ Type: _____
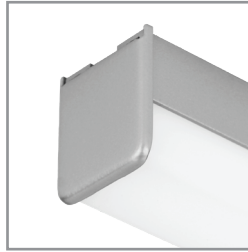
FEATURES

The RAD10 LED luminaire features an integral dimming driver within a minimal 1-1/4" wide by 1-7/16" tall profile. The extruded aluminum fixture is suitable for surface, cable and direct, grid ceiling mounting. A specially engineered drop lens profile produces highly uniform luminance on the three sides and corners. The proprietary integral 120V or 277V RAD10 driver includes 0-10V 10% dimming, powering 90+ CRI LEDs with three output options. Fixtures are available as single units or with plug-and-play connectivity for runs of seamless illumination up to 56'.

SPECIFICATIONS

Fixture constructed of an extruded aluminum housing, extruded frosted acrylic lens and stamped steel end caps

Model options available for surface, cable suspended and t-grid ceiling mounting

Standard finishes are Architectural White, Matte Black and Environmental Satin Silver powder coat

Available in lengths of 1'-8' single fixtures and continuous runs

Acrylic lens extruded with proprietary diffusing resin to produce highly uniform luminance on the three sides and corners

Fixtures can join directly end-to-end for continuous runs of seamless illumination up to a maximum of 56'

Integral 120V or 277V, 0-10V dimming driver dims down to 10%

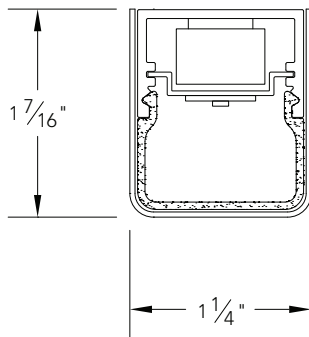Standard outputs are 410, 605 and 790 lumens per foot

LEDs available in 2700K, 3000K, 3500K and 4000K, within a 3 step MacAdam ellipse, all with 90+ CRI typical

Life: 50,000 hours L_{70}

Limited five year warranty

Assembled in the U.S.A.

SECTION

1 7/16"

1 1/4"

PERFORMANCE

NOMINAL LENGTH	OUTPUT	LUMENS/ft.	WATTS/ft.	LUMINAIRE LUMENS	EFFICACY (LPW)
4'	L: low	410	3.2	1644	126
	R: regular	605	4.8	2422	125
	H: high	790	6.7	3175	118

Note: All data reflects fixtures with 3500K LEDs

RAD10 -

___ - ___ - ___ - ___ - ___ - ___ - ___ - ___

FIXTURE LENGTH	CORRELATED COLOR TEMPERATURE	DRIVER	LIGHT OUTPUT (lumens per foot)	MOUNT	RUN CONFIGURATION	FINISH
2: 24"	27: 2700K-90+ CRI	ND: non-dimming	L: low – 410	T1: T-grid 9/16", 15/16"	SN: single	AW: architectural white (semi-matte)
3: 36"	30: 3000K-90+ CRI	[Dimming]	R: regular – 605	S1: surface mount back feed	ST: starter	MB: matte black
4: 48"	35: 3500K-90+ CRI	D: 0-10V, 10%	H: high – 790	C4: cable mount 4' cable length	AD: adder	ESS: environmental satin silver
5: 60" (2+3)*	40: 4000K-90+ CRI		CF: consult factory for custom output	C8: cable mount 8' cable length	TR: terminator	
6: 72" (3+3)*						
7: 84" (3+4)*						
8: 96" (4+4)*						

VOLT
120: 120V
277: 277V

LENS
A: drop lens

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1-3/32" wide by 1-7/32" tall miniature LED luminaire

MOUNTING

|	ORDERING CODE	DESCRIPTION

1 21/32"
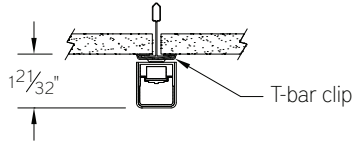
T-bar clip

**T1**

T-BAR GRID CEILING – 9/16" and 15/16" width

- Housing secures with t-bar clip directly to ceiling grid, without the need for tools
- 18" white power cable exits out the end for SN and ST fixtures
- SN and ST fixtures provided with Ø 4-3/4" canopy power feed plate in white finish for attaching to 4" octagonal junction box by others

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10' line voltage leads

3⁄8" steel flex conduit connector

S1
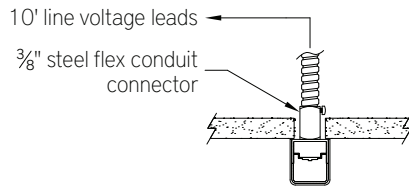
SURFACE MOUNT – BACK FEED

- Use appropriate fastener through Ø3/16" holes in housing
- SN and ST fixtures wired with 10' line voltage leads
- Installed feed connector on SN and ST fixtures accepts 3/8" steel flex conduit
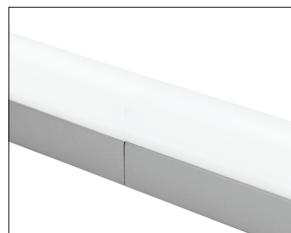

C4 = 48" Nom.
C8 = 96" Nom.
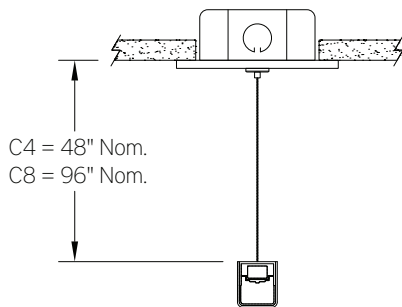
C4 and C8

CABLE MOUNT

- Aircraft cables are Ø 1/32"x 48" (C4) or 96" (C8)
- SN and ST fixtures provided with 60" (C4) or 108" (C8) power cable in coordinating finish
- Mounting at ceiling accomplished with bracket bars, Ø 5" white canopies and canopy mount cable grippers

CONTINUOUS RUN CONNECTION

Joining/alignment clip and electrical connector shown

Fixtures joined with seamless illumination

NOTATIONS

- A spring-steel clip mechanically aligns and joins fixtures without the need for tools
- Fixtures provided with electrical quick-connect for primary and dimming circuit
- Any combination of fixture lengths can be joined up to a maximum length of 56'

LENGTH/MOUNTING DIMENSIONS

ORDERING CODE	LENGTH A	LENGTH B	LENGTH C	LENGTH D	LENGTH E
24	24-1/16"	24-1/32"	24"	23-1/16"	23-17/32"
36	36-1/16"	36-1/32"	36"	35-1/16"	35-17/32"
48	48-1/16"	48-1/32"	48"	47-1/16"	47-17/32"
60*	60-1/16"	60-1/32"	60"	59-1/16"	59-17/32"
72*	72-1/16"	72-1/32"	72"	71-1/16"	71-17/32"
84*	84-1/16"	84-1/32"	84"	83-1/16"	83-17/32"
96*	96-1/16"	96-1/32"	96"	95-1/16"	95-17/32"

* Overall length comprised of two factory-joined fixtures
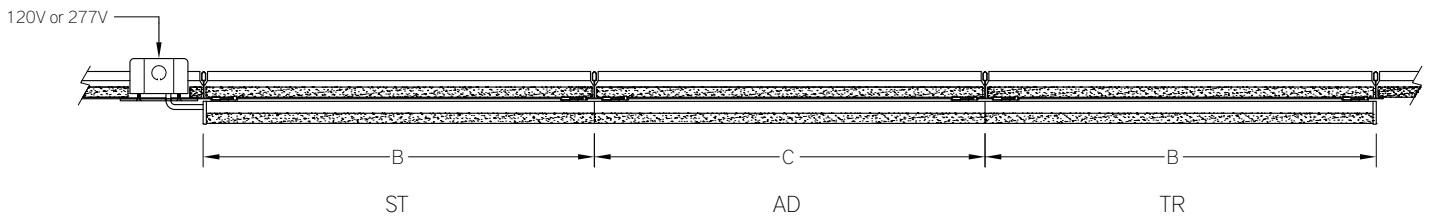
RUN CONFIGURATION INFORMATION

ORDERING CODE	DESCRIPTION
SN	Single
ST	Starter
AD	Adder
TR	Terminator

RUN INFORMATION

Side View - T-Bar Grid Ceiling Single Fixture

120V or 277V
T-bar clip
A
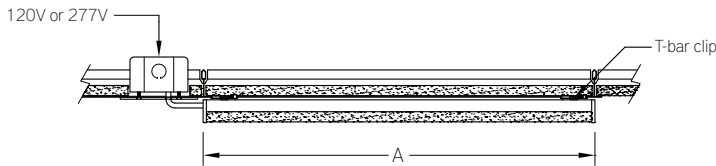
Side View - T-Bar Grid Ceiling Continuous Run

120V or 277V
B   C   B
ST   AD   TR

Back Plan - Surface Mount Single Fixture

A
2"
1 5/32"   1 5/32"
3/8" flex conduit connector   Ø 3/16" mounting hole
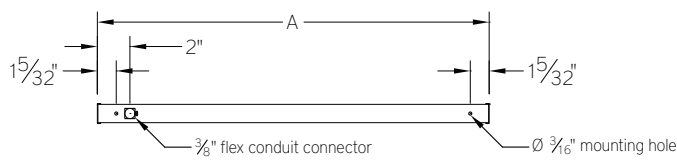
Side View - Surface Mount Single Fixture

10' line voltage leads

SN
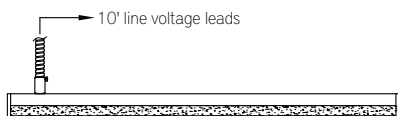
RUN INFORMATION

Back Plan - Surface Mount Continuous Run
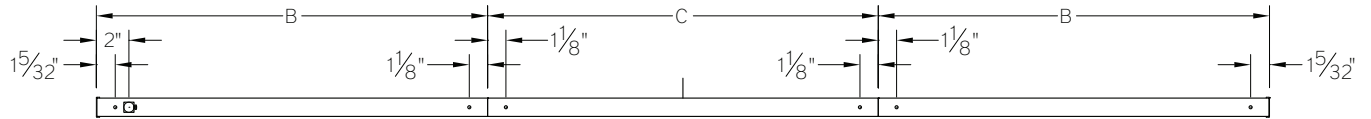
Side View - Surface Mount Continuous Run

10' line voltage leads

ST   AD   TR
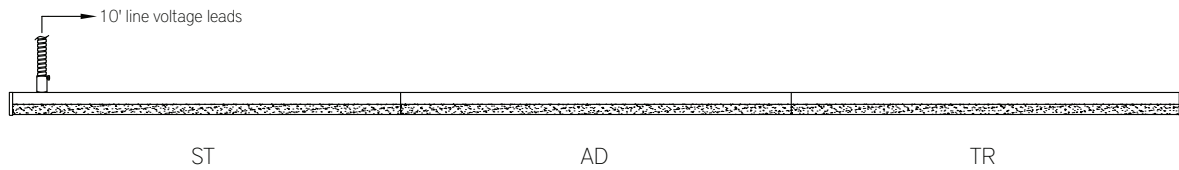
Side View - Cable Mount Single Fixture

SN
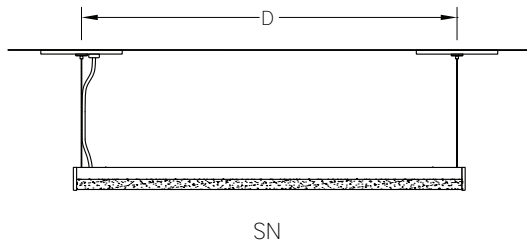
Side View - Cable Suspended Continuous Run

ST   AD   TR