BIW110 | Inwall

Flush mount linear LED luminaire for 5/8" drywall

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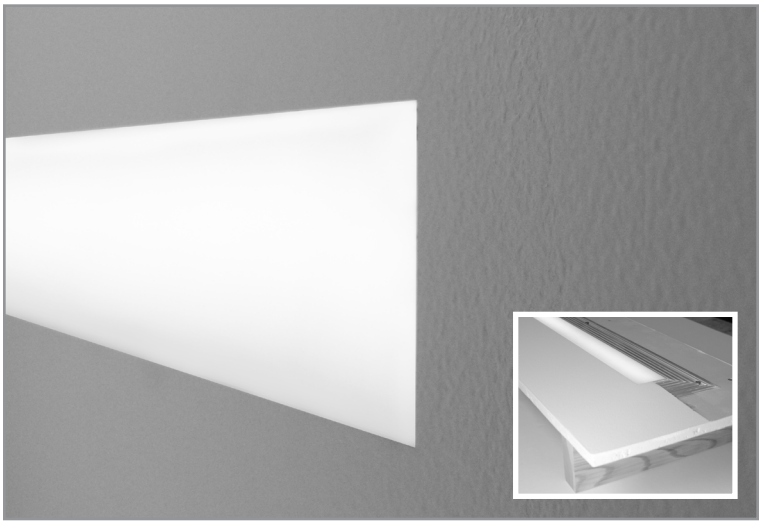
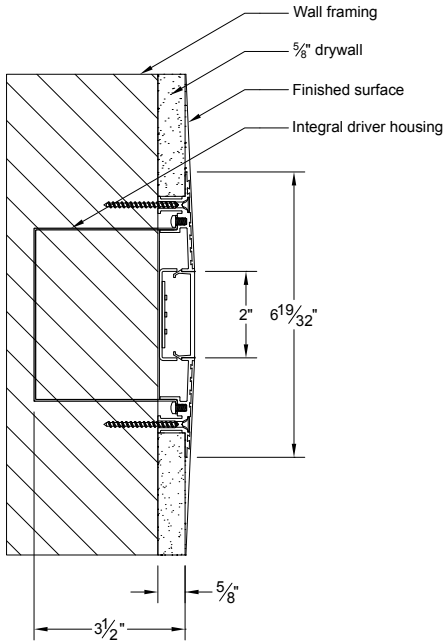
VISIONS BROUGHT TO LIGHT™

Project: _____ Type: _____



SECTION



FEATURES

The In-Wall miniature profile LED luminaire flush mounts into finished 5/8" thick drywall without disturbing wall or ceiling framing, to create 2" wide bands of continuous light. Single fixtures up to 8' nominal or continuous runs attach directly to installed drywall and framing and are finished out with joint compound and paint. The field installed integral driver housing fits between 16" on-center studs.

SPECIFICATIONS

Fixture constructed of extruded aluminum frame sides, 20 gauge steel and aluminum end plates, joining components and reflectors and 2" wide frosted acrylic lens.

Available in nominal 24"–96" lengths in 3" increments as single fixtures and continuous runs.

Single fixtures and runs can be flush mounted on all sides within a single plane or butt up to an adjacent plane.

LED module/reflector assembly accessed and serviced through the fixture aperture.

Standard constant voltage driver offered with 0-10V dimming or non-dim and with integral or remote mount options.

Integral driver option ensures there are no issues with voltage drop across the length of the fixture run.

Driver housing designed to fit within 16" on center wall studs and can be positioned in the field.

Frosted acrylic lens segments are provided longer than required and trimmed to fit in the field (lens quantities lengths and joints for a given run will be optimized in the shop drawing phase).

Standard output is 500 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.

UL and C-UL listed for dry and damp locations and I.C. rated.

CERTIFIED · Made in USA · BAA Compliant

PERFORMANCE

Note: All data reflects fixtures with 3500K LEDs

NOMINAL LENGTH	LUMENS/ft.	WATTS/ft.	LUMINAIRE LUMENS	EFFICACY
48"	500	6.4	1978	69

BIW110 -

SHAPE	RUN CONFIGURATION*	CONFIGURATION OPTION*	LENGTH**	CORRELATED COLOR TEMPERATURE	VOLTAGE	DRIVER	LIGHT OUTPUT (lumens per foot)
LI: straight	SN: single	A, B, C	24-1/8" to 96-1/8" nominal in 3" increments	27: 2700K-90+ CRI	120: 120V	I: integral non-dimming	R: regular – 500
	ST: starter	A, B		30: 3000K-90+ CRI	277: 277V	IDM: integral dimming, 0-10V, 10%	
	AD: adder	A		35: 3500K-90+ CRI		R: remote non-dimming	
	TR: terminator	A, B		40: 4000K-90+ CRI		RDM: remote dimming, 0-10V, 10%	

* Consult configuration option chart on following page to verify availability of run configuration/option
** Actual dimension dependent on run configuration and option

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OVERALL LENGTH DIMENSIONS

Fixtures are available in base overall lengths of 24-1/8" to 96-1/8" in three inch increments (24-1/8", 27-1/8", 30-1/8" ...)

NOTE: See configuration options drawings below to determine the applicable length adder for a given fixture.

ORDERING CODE	BASE O.A. LENGTH
24	24-1/8"
27	27-1/8"
30	30-1/8"
33	33-1/8"
36	36-1/8"
39	39-1/8"
42	42-1/8"
45	45-1/8"
48	48-1/8"

ORDERING CODE	BASE O.A. LENGTH
51	51-1/8"
54	54-1/8"
57	57-1/8"
60	60-1/8"
63	63-1/8"
66	66-1/8"
69	69-1/8"
72	72-1/8"

ORDERING CODE	BASE O.A. LENGTH
75	75-1/8"
78	78-1/8"
81	81-1/8"
84	84-1/8"
87	87-1/8"
90	90-1/8"
93	93-1/8"
96	96-1/8"

RUN CONFIGURATION INFORMATION

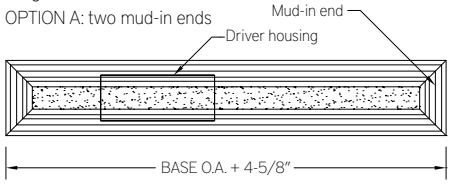
ORDERING CODE	DESCRIPTION
SN	Single
ST	Starter
AD	Adder
TR	Terminator

CONFIGURATION OPTIONS

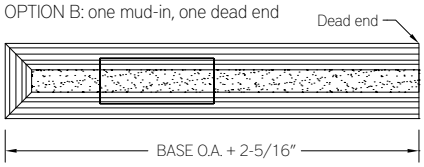
NOTE: For best flush appearance with the mounting surface, allow at least 2-1/2" beyond the sides and mud-in end plates.

Single Fixture (SN)

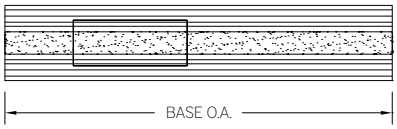
OPTION A: two mud-in ends



OPTION B: one mud-in, one dead end

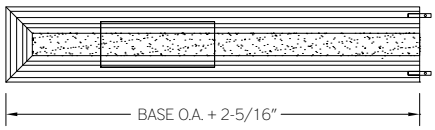


OPTION C: two dead ends

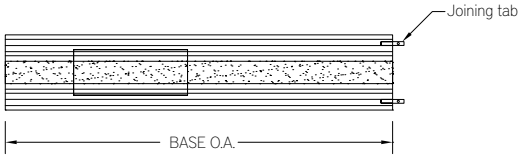


Starter Fixture (ST)

OPTION A: mud-in end

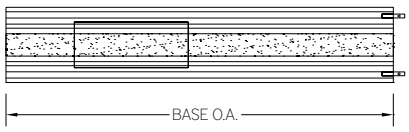


OPTION B : dead end



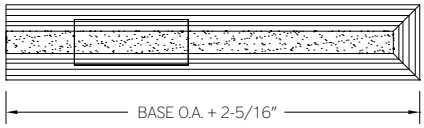
Adder Fixture (AD)

OPTION A: adder

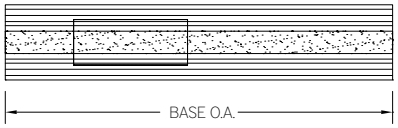


Terminator Fixture (TR)

OPTION A: mud-in end



OPTION B: dead end



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