



Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

4" IC NEW CONSTRUCTION JUNCTION BOX HOUSING

FOR USE WITH LED RETROFIT TRIM MODULES
AND SURFACE MOUNT FIXTURES



IC1JB SERIES

PRODUCT DESCRIPTION

IC Air-Loc 4" Junction Box Housing for New Construction Applications

- May be installed in maximum 2 hour fire-rated ceiling assemblies per International Building Code Section 714
- Can be completely covered with insulation
- For use with Juno 4" LED Retrofit Trim Modules including 4RLD and 4RLA series
- Compatible with most Juno SlimForm™ fixtures with optional accessory bracket (order separately).

PRODUCT SPECIFICATIONS

Junction Box Housing Designed for use in IC (insulated ceiling) or non-IC construction

- Rough-in section (junction box, bar hangers) fully assembled for ease of installation
- Painted steel 3-1/2" deep 4" square junction box
- Provided with (4) 1/2"-3/4" concentric, (2) 1/2", (4) 3/4" and (2) 1" knockouts
- Listed for through-branch wiring, maximum 8 No. 12 AWG 90°C branch circuit conductors (4 in and 4 out).

Electrical Connections Junction box housing ships with quick connect whip for installation of 4" retrofit trim modules.

Real Nail® 3 Bar Hangers Telescoping Real Nail 3 system permits quick placement of housing anywhere within 24" O.C. joists or suspended ceilings

- Bars scored in two locations for fast, clean breaking, allowing housing installation in tight applications
- Captive bugle-headed ring shank nail for quick one-step installation and easy removal with claw hammer for fixture relocation
- Integral T-bar notch for suspended ceilings
- Locking set screw to lock junction box housing in position
- Design covered under US Patent D552,969.

Aesthetic Trim Selection Compatible with a selection of existing Juno retrofit trim modules and surface mount fixtures.

Labels ETL listed to UL1598 for U.S. and Canadian through-branch wiring, damp locations

- ETL listed to UL514A
- Union made
- Air-Loc.

Testing All reports are based on published industry procedures; field performance may differ from laboratory performance.

Specifications subject to change without notice.

INSTALLATION

The IC1JB junction box housing must be installed per the International Building Code Section 714 guidelines to maintain up to 2 hour ceiling fire rating. Precise ceiling cutout required. For use in 1/2"-1 1/4" ceiling thickness. IC1JB Junction Box Housing ships with retrofit mounting bracket, trim ring, and quick connect whip.

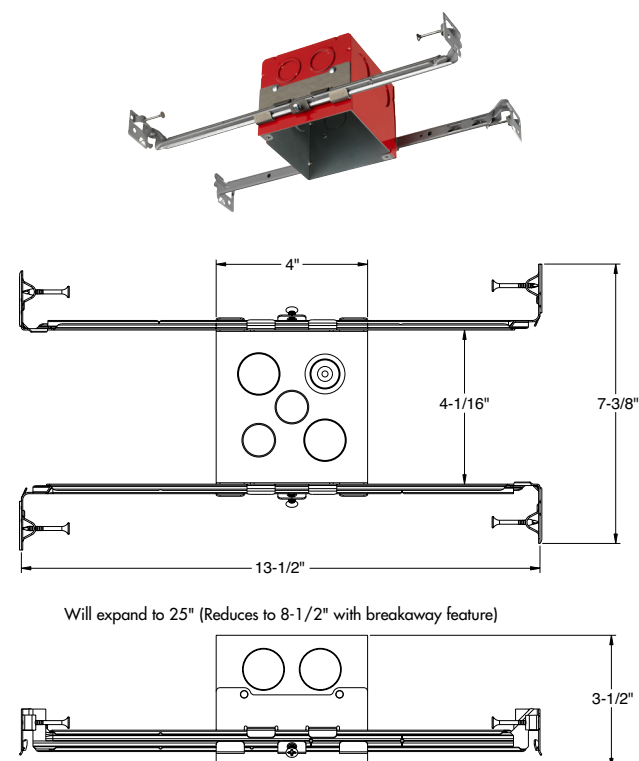
Compatible 4" LED Retrofit Trim Modules Juno Basics 4RLD and 4RLA series

- IC1JB ships with Patent pending retrofit mounting bracket and trim ring for installation of 4RLD and 4RLA series.

Compatible Surface Mount Fixtures Juno SlimForm™ JSF/JSFSQ series

- **For Juno SlimForm, accessory bracket JSFMTGPLT 4X4 is required for installation.**

DIMENSIONS



4 1/4" SQUARE CEILING CUTOUT MAX



Retrofit Mounting Bracket,
Trim Ring and Quick Connect Whip

JSFMTGPLT 4X4
(Required for JSF and
JSFSQ installation)

PRODUCT CODE

Catalog Number	Input Voltage
IC1JB 4" IC New Construction Junction Box	Trim Dependent - See trim specifications

Junction box and trim can be ordered together or separate, but will always ship separately.

Accessories
JSFMTGPLT 4X4 Juno SlimForm mounting plate allows installation to 4X4 junction box

Mounting plate accessory (JSFMTGPLT 4X4) must be used with Juno SlimForm fixtures (JSF and JSFSQ) to be compatible with IC1JB

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COMPATIBLE TRIM SERIES

4RLD

Series	Generation	Lumens	Color Temperature	CRI	Voltage	Driver	Trim Finish
4RLD 4" Juno Basics Retrofit Downlight	G4 Gen 4	06LM 600 Nominal Lumens 09LM 900 Nominal Lumens	27K 2700K 30K 3000K	90CRI 90+CRI	120 120V	FRPC Forward/Reverse Phase	WWH White

4RLA

Series	Generation	Lumens	Color Temperature	CRI	Distribution	Voltage
4RLA 4" Juno Basics Retrofit Adjustable	G2 Generation 2	06LM 600 Nominal Lumens	27K 2700K 30K 3000K	90CRI 90+CRI	NFL Narrow Flood WFL Wide Flood	120 120V

Driver	Trim Finish	Options
FRPC Forward/Reverse Phase	WH White	L/SKTWHIP ¹ Less Socket Whip

Notes:

¹ Required for shipments to California.

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IC1JB SERIES

COMPATIBLE TRIM SERIES

ORDERING INFORMATION

Example: IC1JB JSF 7IN 10LM SWW5 90CRI 120 FRPC WH JSFMTGPLT

Junction box and trim can be ordered together or separate, but will always ship separately.

Series	Trim Series	Size/Lumens	Color Temperature	CRI
IC1JB New Construction Junction Box for Fire Rated Ceiling Assemblies	JSF SlimForm Surface Mount Downlight - Round	7IN 10LM 7", 1000 Lumens 11IN 13LM 11", 1300 Lumens 13IN 18LM 13", 1800 Lumens	SWW5 Switchable White (2700K, 3000K, 3500K, 4000K, 5000K)	90CRI 90+ CRI

Voltage/Driver	Finish	Mounting Option	Emergency Battery
120 FRPC Dedicated 120V, Forward Reverse Phase Dimming MVOLT ZT Universal Voltage 120V-277V, 0-10V Dimming	WH White	JSFMTGPLT SlimForm mounting plate for installation to 4X4 junction box	EM ^{1,2†} Battery Back-up Option EBX Empty Back Box for Aesthetics

JSFMTGPLT 4X4 required for use of IC1JB with JSF.

†: EM Battery Back-up option is not ENERGY STAR® certified.

Note:

- 1 Emergency battery is only available with MVOLT ZT.
- 2 Emergency battery available with 11IN and 13IN only.

ACCESSORIES

TRIM – Optional, field installable finish trim rings available to change the exterior finish of fixture.

Example: JSFTRIM 7IN BL

Series	Size	Finish
JSFTRIM SlimForm Accessory Trim	5IN 5 inches 7IN 7 inches	BL Black BZ Bronze SN Satin Nickel

Note:
* SN not available for 5IN



Remote Emergency IOTA Inverters for Field Installation

Inverter Part Number	Description
IIS 25 I	Emergency Inverter, 25W output
IIS 50 I	Emergency Inverter, 50W output
IIS 35 HE	Emergency Inverter, 35W output, High Efficiency (meets CA T20 efficiency requirement)

Must be ordered on a separate line. For Emergency Battery related questions contact us at techsupport@iotaengineering.com

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COMPATIBLE TRIM SERIES

ORDERING INFORMATION

Example: IC1JB JSFSQ 5IN 07LM SWW5 90CRI 120 FRPC WH JSFMTGPLT

Junction box and trim can be ordered together or separate, but will always ship separately.

Series	Trim Series	Size/Lumens	Color Temperature	CRI
IC1JB New Construction Junction Box for Fire Rated Ceiling Assemblies	JSFSQ SlimForm Surface Mount Downlight - Square	5IN 07LM 5", 700 Lumens 7IN 10LM 7", 1000 Lumens 12IN 13LM 12", 1300 Lumens 14IN 18LM 14", 1800 Lumens	SWW5 Switchable White (2700K, 3000K, 3500K, 4000K, 5000K)	90CRI 90+ CRI

Voltage/Driver	Finish	Mounting Option	Emergency Battery
120 FRPC Dedicated 120V, Forward Reverse Phase Dimming MVOLT ZT Universal Voltage 120V-277V, 0-10V Dimming	WH White	JSFMTGPLT SlimForm mounting plate for installation to 4X4 junction box	EM ^{1,2†} Battery Back-up Option EBX Empty Back Box for Aesthetics

JSFMTGPLT 4X4 required for use of IC1JB with JSFSQ.

†: EM Battery Back-up option is not ENERGY STAR® certified.

Note:

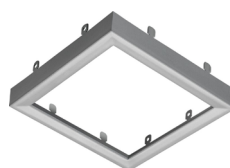
- 1 Emergency battery is only available with MVOLT ZT.
- 2 Emergency battery available with 12IN and 14IN only.

ACCESSORIES

TRIM – Optional, field installable finish trim rings available to change the exterior finish of fixture.

Example: JSFSQTRIM 5IN BL

Series	Size	Finish
JSFSQTRIM SlimForm Accessory Trim - Square	5IN 5 inches	BL Black SN Satin Nickel



TRIM

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IIS 25 I	Emergency Inverter, 25W output
IIS 50 I	Emergency Inverter, 50W output
IIS 35 HE	Emergency Inverter, 35W output, High Efficiency (meets CA T20 efficiency requirement)

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