Aculux™
Precision Recessed Lighting

BLACK BODY DIMMING & TUNABLE WHITE 1000 LUMEN ADJUSTABLE, DOWNLIGHT AND WALL WASH LED

ROUND APERTURE

IC410T, TC410T

PRODUCT DESCRIPTION

Recessed LED luminaire compatible with adjustable, downlight and wall wash trims, features both Black Body Dimming and Tunable White technology in a single fixture and delivers up to 1000 lumens. In Black Body Dimming mode, the luminaire duplicates halogen dimming, creating a natural warm glow as the CCT shifts from 3000K to less than 1800K when dimmed. In Tunable White mode, the CCT can be adjusted anywhere along the Planckian locus from 2000K through 4350K independent of dimming. Aculux Black Body Dimming and Tunable White luminaires feature a sealed Air-Loc® housing and is available in both IC and Non-IC rated configurations.

Type	Cat. No.
_____	_____

Project: _____

Notes: _____

PRODUCT SPECIFICATIONS

Black Body Dimming When commissioned for Black Body Dimming, the luminaire duplicates halogen, with CCT shifting from 3000K at 100% to 1800K at less than 1% • Superb color consistency within 2 SDCM of the Black Body curve over dimming range.

Tunable White Mode When commissioned for Tunable White mode, the user has independent control of intensity and CCT from 4350K to 2000K • Superb color consistency within 2 SDCM of the Black Body curve over CCT range.

Color Rendering Accurate color rendition with 90 CRI and 70 R9 at 3000K • Minimum 85 CRI and 50 R9 at all other CCTs.

Control Compatibility Compatible with most 0-10V dimming systems or DMX512/RDM • Refer to installation instruction P6160 for detailed wiring schematics.

Modular Optics Field interchangeable optics available with 20° Very Narrow Flood, 26° Narrow Flood, or 35° Flood distributions • Additional distributions of 30°, 40°, 45°, 55° FWHM can be achieved with the use of diffusing films • Patented (US Patent 8,950,911) auto-adjusting optic holder maximizes luminaire efficiency by maintaining optimal LED optic position relative to trim • Accommodates up to three (3) beam control lenses and/or filters.

Adjustability Acu-Aim™ precision geared hot-aiming achieves 370° rotation, 45° tilt • Optimized center beam optics translates light engine forward as it is aimed off nadir

Trims Style Trim Ring, Self Flanged and Flush Mount reflectors available • Trim ring features beveled knife edge for clean ceiling interface • Self Flanged reflectors with polished or optional white painted flange • For flush mount installations in drywall ceilings use the FMA4 flush mount adapter • For flush mount installations in wood, stone, or tile ceilings the FMA4-SC*** must be used (specify ceiling thickness and adapter finish).

Life Rated for 50,000 hrs at 70% lumen maintenance.

Warranty 5 years from date of purchase on LED components • Standard Juno Lighting Group product guarantee terms and conditions apply.

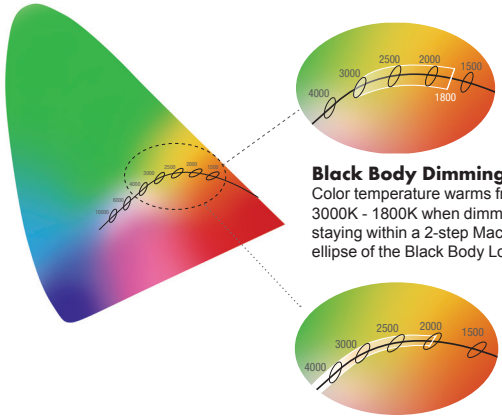
Codes/Labels UL and cUL listed for through branch wiring, damp or wet locations depending on trim • Meets energy code Air Leakage requirements per ASTM E283 • Union made.

Mounting Non-IC fixtures feature Patented (US Patent 8,038,113) Pro-VI™ bar hanger system, permitting quick placement of housing with 24" on-center joists or suspended ceilings, and vertically adjustable mounting brackets (butterfly brackets) • IC fixtures feature bar hangers only.

Junction Box IC housings are rated for 4 No. 12 AWG 90°C through branch circuit conductors. • Non-IC housings are rated for 8 No. 12 AWG 90°C through branch circuit conductors. • Includes (5) ½", (1) ¾", and (4) Non-metallic sheathed cable knock-outs. • Push-in electrical connectors for field connections.

Housing/Mounting Frame Housing painted black for visually dark interior • V-Notch in plaster frame and Patented (US Patent 8,277,090) Tru-Line™ Platform featuring +/- ½" translation aids fixture alignment after installation, prior to drywall.

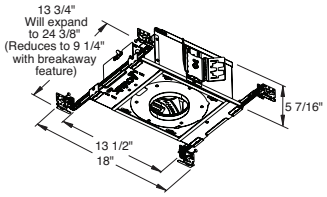
Ceiling Thickness ½" – ⅞" ceiling standard • For thicker ceilings, order CTA4N-125 (⅞"-1 ¼"), CTA4N-163 (1 ¼"-1 ⅝") or CTA4N-200 (1 ⅝"– 2") • CTA4N not required for wood, stone, or tile flush mount applications.



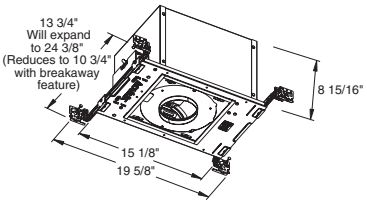
Black Body Dimming
Color temperature warms from 3000K - 1800K when dimmed staying within a 2-step MacAdam ellipse of the Black Body Locus.

Tunable White
Color temperature can be tuned from 4350K - 2000K while staying within a 2-step MacAdam ellipse of the Black Body Locus.

DIMENSIONS



TC410T



IC410T

4 1/4" CEILING CUTOUT
(REFER TO INSTRUCTION SHEET FOR FLUSH MOUNT CEILING CUTOUT)

ELECTRICAL DATA

Housing	IC410T		TC410T	
Voltage	120	277	120	277
Input Power (W)	18.9	19.4	20.9	21.4
Input Current (A)	0.16	0.08	0.16	0.08
Frequency	50/60Hz		50/60Hz	
Power Factor	0.99	0.92	0.99	0.92

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an AcuityBrands company

BLACK BODY DIMMING & TUNABLE WHITE 1000 LUMEN ADJUSTABLE, DOWNLIGHT AND WALL WASH LED

ROUND APERTURE

IC410T, TC410T

Ordering Information

Housing, trim and accessories each ordered separately

Example: **TC410T-W-N-U1**

Housing		Tunable White Range		Beam Spread		Dimming		Voltage		Options
	–	W	–		–				–	
IC410T 1000 Lumen, IC Rated		**W** 4350K - 2000K		**V** 20° Very Narrow Flood		**U** 0-10V Dimming		IC Housing: **Blank** 120-277V		**CP*** Chicago Plenum
TC410T 1000 Lumen, Non-IC Rated				**N** 26° Narrow Flood		**M** DMX512/RDM		Non-IC Housing: **1** 120V **2** 277V		*Available on TC410T only
				F 35° Flood						

Desired FWHM	Primary Optic	Film
20°	V	-
26°	N	-
30°	N	AF3-10
35°	F	-
40°	N	AF3-30
45°	N	AF3-40
55°	N	AF3-50
50°x20°	N	AF3-60x1

Flush Mount Adapters

Cat. #	Description
FMA4	Drywall Ceiling Adapter
FMA4-SC087-WH	Wood, Stone, Tile, 1/2"-7/8" Thick Ceiling, Adapter, White
FMA4-SC087-BL	Wood, Stone, Tile, 1/2"-7/8" Thick Ceiling, Adapter, Black
FMA4-SC125-WH	Wood, Stone, Tile, 7/8"-1 1/4" Thick Ceiling, Adapter, White
FMA4-SC125-BL	Wood, Stone, Tile, 7/8"-1 1/4" Thick Ceiling, Adapter, Black
FMA4-SC163-WH	Wood, Stone, Tile, 1 1/4"-1 5/8" Thick Ceiling, Adapter, White
FMA4-SC163-BL	Wood, Stone, Tile, 1 1/4"-1 5/8" Thick Ceiling, Adapter, Black

Optical Accessories

Cat. #	Description	Cat. #	Description
TIR-TW-V	20° Spot Optic	**T746**	Med. Green Color Filter
TIR-TW-N	26° Narrow Flood Optic	**T7401**	Red Dichroic Lens
TIR-TW-F	35° Flood Optic	**T7403**	Med. Green Dichroic Lens
AF3-10	10° Film*	**T7404**	Med. Blue Dichroic Lens
AF3-20	20° Film*	**T7405**	Yellow Dichroic Lens
AF3-30	30° Film*	**T7406**	Magenta Dichroic Lens
AF3-40	40° Film*	**T7411**	Blue Green Dichroic Lens
AF3-50	50° Film*	**T7416**	Daylight Blue Correction Lens
AF3-60x1	60°x1° Film*	**T7420**	Diffuse Spread Lens
T741	Med. Pink Color Filter	**T7422**	UV Filter Lens
T742	Warm Red Color Filter	**T7477**	Prismatic Lens
T743	Daylight Blue Color Filter	**T7478**	Linear Spread Lens
T744	Med. Blue Color Filter	**T7459BL**	Hexcell Louver
T745	Med. Amber Color Filter		

*For best results, use with narrow flood optic.

Misc. Accessories

Cat. #	Description
CTA4N-125	1 1/4" Thick Ceiling Adapter
CTA4N-163	1 5/8" Thick Ceiling Adapter
CTA4N-200	2" Thick Ceiling Adapter
HB-1	(2) Real Nail 3 Bar Hangers
HB-26	(2) 26" C-Channel Bar Hangers
HB-50	(2) 50" C-Channel Bar Hangers
LB-27	(2) 27" Linear Bar Hangers
EMI-20	20W Emergency Lighting Inverter

To order, specify catalog number.

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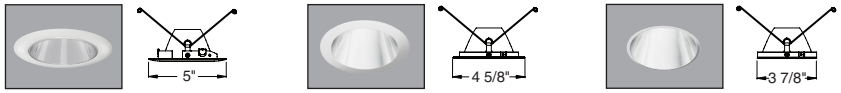
IC410T, TC410T

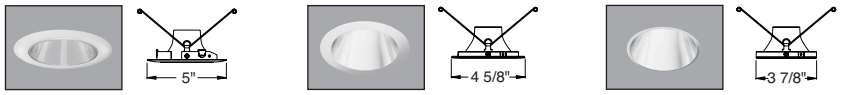
DOWNLIGHT

Parabolic Downlight Cone



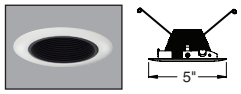
Trim Ring[1]	Self Flanged[2]	Flush Mount[3]	Description
437NB-ABZ	-	-	Black Alzak® Cone
437NB-SC	-	-	Black Alzak® Cone
437NB-WH	437NB-SF	437NB-FM	Black Alzak® Cone
437NC-WH	437NC-SF	437NC-FM	Clear Alzak® Cone
437NHZ-SC	-	-	Haze Alzak® Cone
437NHZ-WH	437NHZ-SF	437NHZ-FM	Haze Alzak® Cone
437NWHZ-ABZ	-	-	Wheat Haze Alzak® Cone
437NWHZ-WH	437NWHZ-SF	437NWHZ-FM	Wheat Haze Alzak® Cone

Hyperbolic Downlight Reflector



Trim Ring[1]	Self Flanged[2]	Flush Mount[3]	Description
4017NB-WH	4017NB-SF	4017NB-FM	Black Alzak® Reflector
4017NC-WH	4017NC-SF	4017NC-FM	Clear Alzak® Reflector
4017NHZ-WH	4017NHZ-SF	4017NHZ-FM	Haze Alzak® Reflector
4017NW-WH	4017NW-SF	4017NW-FM	White Alzak® Reflector
4017NWHZ-WH	4017NWHZ-SF	4017NWHZ-FM	Wheat Haze Alzak® Reflector

Deep Downlight Baffle



Trim Ring[1]	Description
434NB-ABZ	Black Baffle
434NB-SC	Black Baffle
434NB-WH	Black Baffle
434NW-WH	White Baffle

Downlight 1 1/4" Pinhole

Trim Ring[1]	Flush Mount[3]	Description
4337N-ABZ	-	Aged Bronze Trim, Black Alzak® Reflector
4337N-BL	4337N-BL-FM	Black Trim, Black Alzak® Reflector
4337N-SC	-	Satin Chrome Trim, Black Alzak® Reflector
4337N-WH	4337N-WH-FM	White Trim, Black Alzak® Reflector

Downlight Regressed 1 3/4" Pinhole

Trim Ring[1]	Flush Mount[3]	Description
4307N-BL	4307N-BL-FM	Black Trim, Black Alzak® Reflector
4307N-WH	4307N-WH-FM	White Trim, Black Alzak® Reflector

[1]**Trim Ring Finish:** ABZ - Classic Aged Bronze, SC - Satin Chrome, WH - White, BL - Black.

[2]**Self Flanged:** For self flanged reflector with optional white painted flange, replace "-SF" suffix with "-SFWH".

[3]**Flush Mount:** Flush Mount trims must be used with Flush Mount Adapter, ordered separately.

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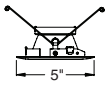
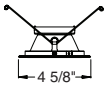
BLACK BODY DIMMING & TUNABLE WHITE 1000 LUMEN ADJUSTABLE, DOWNLIGHT AND WALL WASH LED

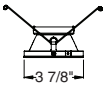
IC410T, TC410T

Lensed

Deep Lensed Trim

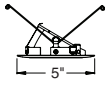


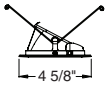


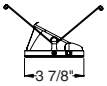


Trim Ring[1]	Self Flanged[2]	Flush Mount[3]	Description
432NB-WH	432NB-SF	432NB-FM	Black Alzak® Cone
432NC-WH	432NC-SF	432NC-FM	Clear Alzak® Cone
432NHZ-SC	-	-	Haze Alzak® Cone
432NHZ-WH	432NHZ-SF	432NHZ-FM	Haze Alzak® Cone
432NWHZ-ABZ	-	-	Wheat Haze Alzak® Cone
432NWHZ-WH	432NWHZ-SF	432NWHZ-FM	Wheat Haze Alzak® Cone

Angle-Cut Lensed Trim

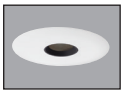


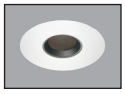




Trim Ring[1]	Self Flanged[2]	Flush Mount[3]	Description
431NB-WH	431NB-SF	431NB-FM	Black Alzak® Cone
431NC-WH	431NC-SF	431NC-FM	Clear Alzak® Cone
431NHZ-SC	-	-	Haze Alzak® Cone
431NHZ-WH	431NHZ-SF	431NHZ-FM	Haze Alzak® Cone
431NWHZ-ABZ	-	-	Wheat Haze Alzak® Cone
431NWHZ-WH	431NWHZ-SF	431NWHZ-FM	Wheat Haze Alzak® Cone

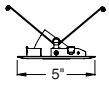
Downlight 1 1/4" Pinhole with Uniformity Lens

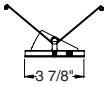




Trim Ring[1]	Flush Mount[3]	Description
4332N-ABZ	-	Aged Bronze Trim, Black Alzak® Reflector
4332N-BL	4332N-BL-FM	Black Trim, Black Alzak® Reflector
4332N-SC	-	Satin Chrome Trim, Black Alzak® Reflector
4332N-WH	4332N-WH-FM	White Trim, Black Alzak® Reflector

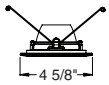
Adjustable 1 1/4" Pinhole with Uniformity Lens

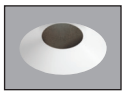
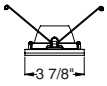




Trim Ring[1]	Flush Mount[3]	Description
4331N-ABZ	-	Aged Bronze Trim, Black Alzak® Reflector
4331N-BL	4331N-BL-FM	Black Trim, Black Alzak® Reflector
4331N-SC	-	Satin Chrome Trim, Black Alzak® Reflector
4331N-WH	4331N-WH-FM	White Trim, Black Alzak® Reflector

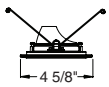
Downlight Regressed 1 3/4" Pinhole with Uniformity Lens

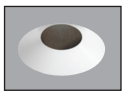
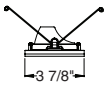


Trim Ring[1]	Flush Mount[3]	Description
4302N-BL	4302N-BL-FM	Black Trim, Black Alzak® Reflector
4302N-WH	4302N-WH-FM	White Trim, Black Alzak® Reflector

Adjustable Regressed 1 3/4" Pinhole with Uniformity Lens



Trim Ring[1]	Flush Mount[3]	Description
4301N-BL	4301N-BL-FM	Black Trim, Black Alzak® Reflector
4301N-WH	4301N-WH-FM	White Trim, Black Alzak® Reflector

[1]**Trim Ring Finish:** ABZ - Classic Aged Bronze, SC - Satin Chrome, WH - White, BL - Black.

[2]**Self Flanged:** For self flanged reflector with optional white painted flange, replace "-SF" suffix with "-SFWH".

[3]**Flush Mount:** Flush Mount trims must be used with FMA4 Flush Mount Adapter, ordered separately.

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1000 LUMEN ADJUSTABLE, DOWNLIGHT AND WALL WASH LED
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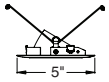
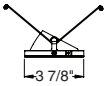
Adjustable Accent

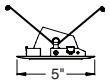
Angle-Cut Cone

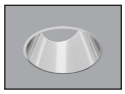
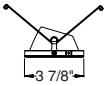




Trim Ring[1]	Self Flanged[2]	Flush Mount[3]	Description
438NB-ABZ	-	-	Black Alzak® Cone
438NB-SC	-	-	Black Alzak® Cone
438NB-WH	438NB-SF	438NB-FM	Black Alzak® Cone
438NC-WH	438NC-SF	438NC-FM	Clear Alzak® Cone
438NHZ-SC	-	-	Haze Alzak® Cone
438NHZ-WH	438NHZ-SF	438NHZ-FM	Haze Alzak® Cone
438NWHZ-ABZ	-	-	Wheat Haze Alzak® Cone
438NWHZ-WH	438NWHZ-SF	438NWHZ-FM	Wheat Haze Alzak® Cone

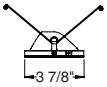
20˚ Angle-Cut Cone



Trim Ring[1]	Self Flanged[2]	Flush Mount[3]	Description
430NB-WH	430NB-SF	430NB-FM	Black Alzak® Cone
430NC-WH	430NC-SF	430NC-FM	Clear Alzak® Cone
430NHZ-SC	-	-	Haze Alzak® Cone
430NHZ-WH	430NHZ-SF	430NHZ-FM	Haze Alzak® Cone
430NWHZ-ABZ	-	-	Wheat Haze Alzak® Cone
430NWHZ-WH	430NWHZ-SF	430NWHZ-FM	Wheat Haze Alzak® Cone

Slot Angle-Cut Cone



Trim Ring[1]	Self Flanged[2]	Flush Mount[3]	Description
436NB-ABZ	-	-	Black Alzak® Cone
436NB-SC	-	-	Black Alzak® Cone
436NB-WH	436NB-SF	436NB-FM	Black Alzak® Cone
436NC-WH	436NC-SF	438NC-FM	Clear Alzak® Cone
436NHZ-SC	-	-	Haze Alzak® Cone
436NHZ-WH	436NHZ-SF	436NHZ-FM	Haze Alzak® Cone
436NWHZ-ABZ	-	-	Wheat Haze Alzak® Cone
436NWHZ-WH	436NWHZ-SF	436NWHZ-FM	Wheat Haze Alzak® Cone

Angle-Cut Baffle

Trim Ring[1]	Description
435NB-ABZ	Black Baffle
435NB-SC	Black Baffle
435NB-WH	Black Baffle
435NW-WH	White Baffle

[1]**Trim Ring Finish:** ABZ - Classic Aged Bronze, SC - Satin Chrome, WH - White, BL - Black.
[2]**Self Flanged:** For self flanged reflector with optional white painted flange, replace "-SF" suffix with "-SFWH".
[3]**Flush Mount:** Flush Mount trims must be used with FMA4 Flush Mount Adapter, ordered separately.

JUNO LIGHTING GROUP
an AcuityBrands company
1300 S. Wolf Road • Des Plaines, IL 60018 • Phone (847) 827-9880 • Fax (847) 827-2925
220 Chrysler Drive • Brampton, Ontario • Canada L6S 6B6 • Phone (905) 792-7335 • Fax (905) 792-0064
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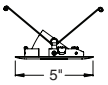
BLACK BODY DIMMING & TUNABLE WHITE
1000 LUMEN ADJUSTABLE, DOWNLIGHT AND WALL WASH LED
IC410T, TC410T

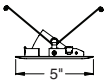
Adjustable Accent (continued)

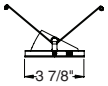
Adjustable 1 1/4" Pinhole



Trim Ring[1]	Flush Mount[3]	Description
433N-ABZ	-	Aged Bronze Trim, Black Alzak® Reflector
433N-BL	433N-BL-FM	Black Trim, Black Alzak® Reflector
433N-SC	-	Satin Chrome Trim, Black Alzak® Reflector
433N-WH	433N-WH-FM	White Trim, Black Alzak® Reflector

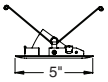
Adjustable 1 3/4" Pinhole





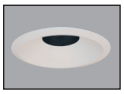
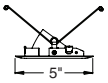
Trim Ring[1]	Flush Mount[3]	Description
4335N-ABZ	-	Aged Bronze Trim, Black Alzak® Reflector
4335N-BL	4335N-BL-FM	Black Trim, Black Alzak® Reflector
4335N-SC	-	Satin Chrome Trim, Black Alzak® Reflector
4335N-WH	4335N-WH-FM	White Trim, Black Alzak® Reflector

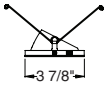
Slot Pinhole



Trim Ring[1]	Flush Mount[3]	Description
4345N-BL	4345N-BL-FM	Black Trim, Black Alzak® Reflector
4345N-WH	4345N-WH-FM	White Trim, Black Alzak® Reflector

Adjustable Regressed 1 3/4" Pinhole

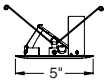



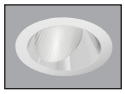
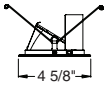


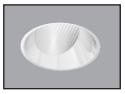
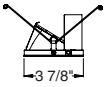
Trim Ring[1]	Flush Mount[3]	Description
4308N-BL	4308N-BL-FM	Black Trim, Black Alzak® Reflector
4308N-WH	4308N-WH-FM	White Trim, Black Alzak® Reflector

Wall Wash

Lensed Wall Wash



Trim Ring[1]	Self Flanged[2]	Flush Mount[3]	Description
439NB-WH	439NB-SF	439NB-FM	Black Alzak® Cone
439NC-WH	439NC-SF	439NC-FM	Clear Alzak® Cone
439NW-WH	439NW-SF	439NW-FM	White Cone
439NHZ-SC	-	-	Haze Alzak® Cone
439NHZ-WH	439NHZ-SF	439NHZ-FM	Haze Alzak® Cone
439NWHZ-ABZ	-	-	Wheat Haze Alzak® Cone
439NWHZ-WH	439NWHZ-SF	439NWHZ-FM	Wheat Haze Alzak® Cone

[1]**Trim Ring Finish:** ABZ - Classic Aged Bronze, SC - Satin Chrome, WH - White, BL - Black.
[2]**Self Flanged:** For self flanged reflector with optional white painted flange, replace "-SF" suffix with "-SFWH".
[3]**Flush Mount:** Flush Mount trims must be used with FMA4 Flush Mount Adapter, ordered separately.

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