LAD+RGBW/A

Project Name:	
Type:	

A type frame (architectural frame-in):
- 4/6/8" horizontal architectural frame-in design.
- Heavy gauge die formed galvanized steel mounting frame trim clips to mount open conical shape reflector.
- Vertically adjustable mounting brackets that use conduit or C channel (please see drawing for recommended C channel size on the next page).
- Provides 3-3/4" total adjustment.
- C channel is optional, not included as std.
- Post installation adjustment possible from above or below the ceiling.
- Maximum 1-1/2" ceiling thickness.
- Reflectors are optically designed to maximize lumen output and to provide superior glare control.
- Non-insulated ceilings or where insulation can be kept 3" from all side of housing.

C type frame (commercial frame-in):
- 4/6/8" horizontal commercial frame-in design.
- Galvanized steel plaster frame: Quality galvanized steel ring riveted to elevated steel junction box tray.
- Housing can be removed from plaster frame for junction box access.
- 16-gauge galvanized steel construction.
- Maximum 1-1.2" ceiling thickness.
- Tool-less adjustments post installation.
- Non-insulated ceilings or where insulation can be kept from all side of the housing.
- Mounting: Bar hanger allows fixtures to affix to Tbar grid into wood or steel joist members.
- Reflectors are optically designed to maximize lumen output and to provide superior glare control.

BAR HANGERS:
- Pre-installed adjustable bar hangers for span 24".
- No clips required. Secure bar hangers to T-barswith wires or screws.
- Integral captive nails included for fast and easy installation.

APPLICATION

These color capable luminaires bring flexibility and open doors to various types of applications. The RGBW technology is a combination of those three primary colors in addition to white. Additional white LEDs illuminates a much purer white tone and brings flexibility for color mixing through the RGB chips. Playing with different colors of the LEDs can form infinite color hue possibilities to not only just illuminate space, but manipulate for your desired hue and shades. DMX/RDM control can provide an ultimate solution to optimize the needs from residential to commercial, healthcare, education, retails, entertainment, office, and more.

JUNCTION BOX:
- Galvanized steel junction box with seven 1/2" knockouts, four pryouts, and snap on cover.
- Electrical connections are made through a single junction box door.
- Access to junction box from below ceiling after removal of reflector for easy maintenance.

LED:
- Nichia LED technology.
- 3 step MacAdam for white.
- CRI80 standard for white.

LISTING:
- UL/CUL listed for damp locations with covered ceiling.
- UL/CUL wet location listed with "W" lens only.
- Listed to UL 1598 and UL 8750.
- Minimum 75°C supply conductors.
- CSA certified to US.
- 5 years limited warranty.
- ARRA compliant.

CONFIGURATIONS

	AC input	COLOR	Lumen Output	CCT / Dominant Wavelength Range	
				Maximum	Minimum
RGBW RGBA	20W	RED	279 lm	615nm	630nm
		GREEN	1872 lm	550nm	560nm
		BLUE	378 lm	450nm	455nm
		3000K	1287 lm	2800K	3200K
		4000K	1377 lm	3800K	4200K
		5000K	1422 lm	4800K	5200K
		AMBER	1116 lm	585nm	595nm

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LAD+RGBW/A

ORDERING INFORMATION

MODEL				LED		RGBW/A		VOLTAGE		LED DRIVER	
LAD4 LAD6 LAD8	4" size 6" size 8" size	A C	Architectural Frame Commercial Frame	20L	20W LED	-RGBW30K -RGBW40K -RGBW50K -RGBA	RGBW with 3000K white RGBW with 4000K white RGBW with 5000K white RGB with Amber	UNV	120-277V	RDMX MRDMX	DMX512 /RDM standard protocol, 1-100% dim (std.) [2] Moon's deep dimming DMX/RDM full color dimming, 0.1-100%. [3]

REFLECTOR		TRIM RING		LENS		OPTIC	
WW CW PLW	White Reflector w/ White Plastic Ring Clear Reflector w/ White Plastic Ring Platinum Haze Reflector w/ White Plastic Ring	(Blank) BK	White Trim Ring Black Trim Ring	W	White Smooth Splay w/ Frosted Lens (Wet Location)	CHB24 FRAME	C-Channel Bar Rough-in frame pre-ship request [1]

NOTES:
1. LED driver will be included.
2. Field selectable DMX address via a decoder provided.
3. DMX address must be provided when placing an order.

ELECTRICAL INFORMATION

| DRIVER MODEL#	RDMX	MRDMX
INPUT VOLTAGE	120-277V, 50-60Hz	120-277V, 50-60Hz
DIMMING	100% - 1%	100% - 0.1%
PF	-	< 0.9
THD	-	< 20%
EFFICIENCY	-	87% typical
CONTROL	DMX/RDM, 4 channels	DMX/RDM, 4 channels
PWM frequency	2000/500Hz selectable	7.2KHz
OPERATING TEMP.	-22ºF to 131ºF (-30ºC to 55ºC)	-40ºF to 122ºF (-40ºC to 50ºC)
SAFETY & EMC	EN5 5032l2015, EN61000-3-2:2014, EN61000-3-2:2013, EN55024:2010/A1-2015, EN 61347-1:2015, EN 61347-2-11: 2015	UL8750, UL1310 CLASS 2, CAN/CSA-C22.2 nO.223-M91, EN61347-1, EN61347-2-13, FCC Part 15 Class B, EN55015, EN61000-3-2, EN61000-3-3

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DIMENSIONS

All dimensions are in inches.
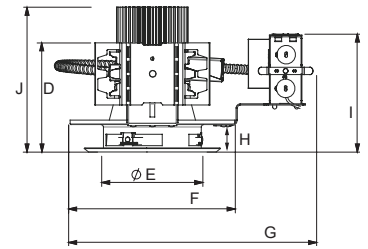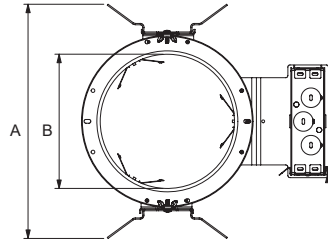Drawings are for dimensional detail information only.

"A" TYPE

4" size
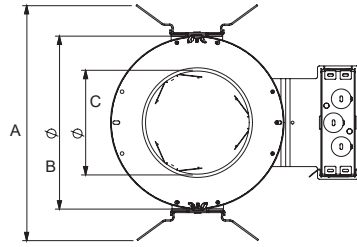
Dimensions
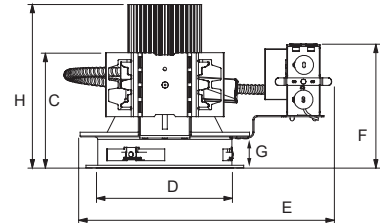A: 10-13/16" (275)
B: 8" (203)
C: 4-27/32" Dia. (123)

Dimensions
D: 5-1/4" (133)
E: 4-27/32" Dia. (123)
F: 7-15/16" (202)
G: 11-13/16" (300)
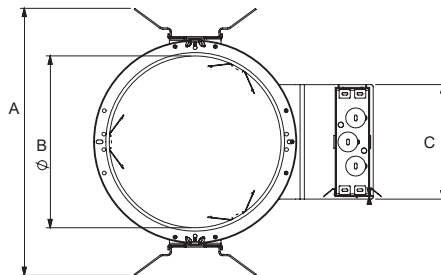H: 1-1/2" (38)
I: 5-21/32" (144)
J: 7" (178.3)

6" size

Dimensions
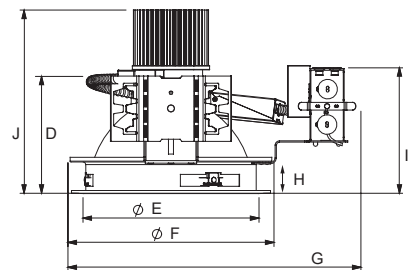A: 10-7/8" (276)
B: 6-1/4" Dia. (158)

Dimensions (16W, 25W, 38W, 50W)
C: 5-3/8" (136)
D: 6-5/16" Dia. (160)
E: 11-7/8" (302)
F: 5-3/4" (146)
G: 1-1/2" (38)
H: 7-11/16" (195.6)

8" size

Dimensions
A: 12-7/32" (310)
B: 7-7/8" Dia. (200)
C: 5-1/4" (133)

Dimensions (16W, 25W, 38W, 50W)
D: 5-11/32" (136)
E: 7-15/16" Dia. (202)
F: 9-5/16" (236)
G: 13-7/32" (336)
H: 1-1/2" (38)
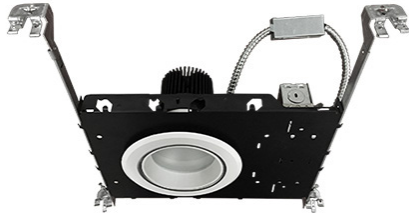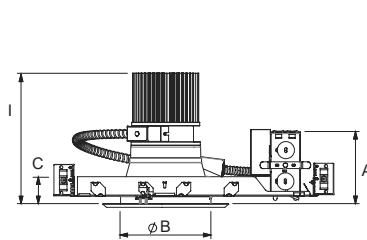I: 5-3/4" (146)
J: 8-7/16" (214.9)

Recommended C Channel Bar
part# CHB24 (optional)
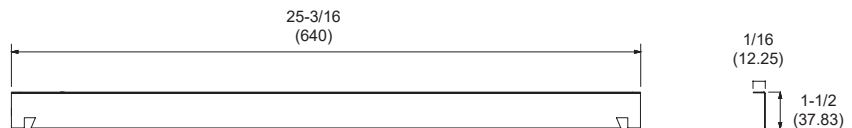
25-3/16
(640)

1/16
(12.25)

1-1/2
(37.83)

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DIMENSIONS

All dimensions are in inches.
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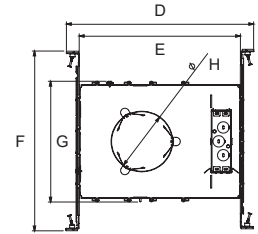
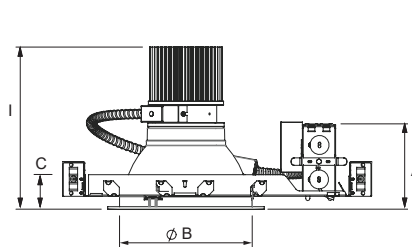**"C" TYPE**

4" size

Dimensions
A: 3-15/16" (100.3)
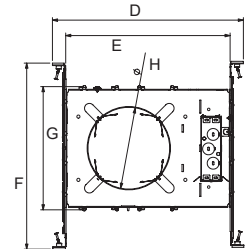B: 4-13/16" Dia. (122)
C: 1-1/2" (38)
I: 7" (178.3)

Dimensions
D: 15-5/16" (389.2)
E: 12-9/16" (319)
F: 16-1/8" (410)
G: 9-9/16" (243)
H: 4-23/32" Dia. (120)

6" size

Dimensions
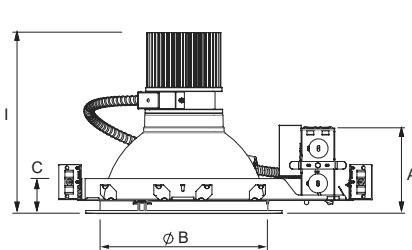A: 3-15/16" (100.6)
B: 6-5/16" Dia. (160.6)
C: 1-1/2" (38)
I: 7-11/16" (195.6)

Dimensions
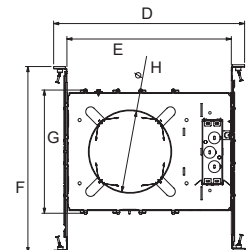D: 15-5/16" (389.2)
E: 12-19/32" (320)
F: 16-1/8" (410)
G: 9-7/16" (240)
H: 6-1/4" Dia. (159)

8" size

Dimensions
A: 3-15/16" (100.6)
B: 6-5/16" Dia. (160.6)
C: 1-1/2" (38)
I: 8-1/2" (214.9)

Dimensions
D: 15-5/16" (389.2)
E: 12-19/32" (320)
F: 16-1/8" (410)
G: 9-7/16" (240)
H: 6-1/4" Dia. (159)

LAD+RGBW/A

Reflector
(w/ white, clear or platinum haze)

EX:
WW: White Reflector w/ White Plastic Ring

White plastic ring

EX:
W: White Smooth Splay w/ Frosted Lens

Lens trim ring

Frosted Lens