FRAXION™

F4R-AE-1-00 TRIMLESS

F4R-AE-1-00

RECESSED LED DOWNLIGHT (IC, NON-IC, REMODEL)

4" ROUND **A**JUSTABLE **E**XPANDED APERTURE

PROVISIONAL
[SHIPPING JANUARY 2016]

DOWNLIGHT TRIM

Ⓐ Special Features

Pop-off, die-cast baffle minimizes aperture glare and is available in a range of finishes. Hot-aim adjustment from below up to 40° tilt and 361° rotation. Unique sliding pivot point optimizes center beam during adjustment cycle. Trimless profile that has a knife-edge to the finished ceiling plane.

Ⓑ Effects Devices

Soft focus lens included. Fixture allows up to 2 effects devices.

Ⓒ Trimless Profile

Installs totally flush with the ceiling with no visible trim. Features integrated appliqué for plaster floating directly to the trim baffle.

Ⓓ Retention

Integrated, metal arm clamps accommodate varying ceiling thicknesses from .19" (5mm) to 1.25" (32mm). Unique internal clam design ensures snug fit of trims against ceiling.

CONSTRUCTION

Trim: Steel and aluminum. Extruded aluminum heat-sink. Painted finishes are granulated powder coat. Optional chrome and plated finishes.
Housing: Steel and aluminum.

LED

Utilizes Xicato XTM remote phosphor LED.

DIMMING PROTOCOL

Analog 0-10 and Triac dim to nominal 10% lm output. Lutron dims to nominal 1% lm output. EldoLED dims to nominal 1/10 of 1%.

LISTING

UL1598 listing pending. IP10 rated.

WARRANTY

Five year warranty on LED lamp module and driver. One year warranty on all other Lucifer Lighting provided system components. Consult website for full warranty terms and conditions.

HOUSING/ MOUNTING

Do not install in environments where ambient temperatures exceed 40°C. Transformer compartment and all splice connections may be serviced from room side. Hanger bars included with housings.

Ⓔ NON-IC REMOTE/ UNIVERSAL/ REMODEL POWER SUPPLY

- UL2043 listing pending for non-IC; remodel ceilings.
- Mounts without conventional housing using downlight trim adaptor.
- Tethered power supply/ junction box with metal conduit protected wiring and quick-connect plug between fixture and power supply.
- Min. setback from combustible materials of 6.63" (168mm) radius from fixture centerline; min. 3" (76mm) from surfaces of power sup ply/ junction box if not situated within above noted radius from fixture centerline.
- Min. additional 3" (76mm) setback from insu lation material with max R-Value 30 from any surface of downlight fixture assembly; min. additional 6" (152mm) from polycell spray-in foam insulation with max R-Value 40.

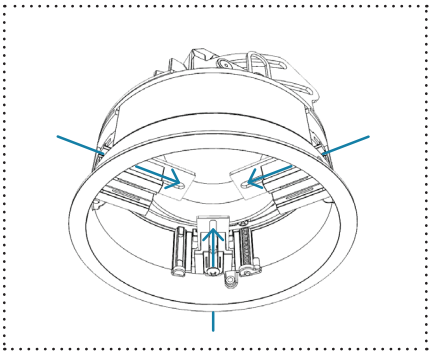
Ⓕ NON-IC HOUSING

- For non-IC ceilings.
- Metal conduit protected wiring and quick-connect conduit plug between fixture and power supply on tray/ junction box assembly.
- Hanger bars may be fitted to short or long side of tray and may be field cut/ narrowed.
- Min. 1/2" (13mm) setback from combustible materials on all sides and top of tray and downlight fixture assembly.
- Min. additional 3" (76mm) setback from insulation material having max R-Value 30 on all sides and top of tray and downlight fixture assembly; minimum additional 6" (152mm) from polycell spray-in foam insulation having max R-Value 40.

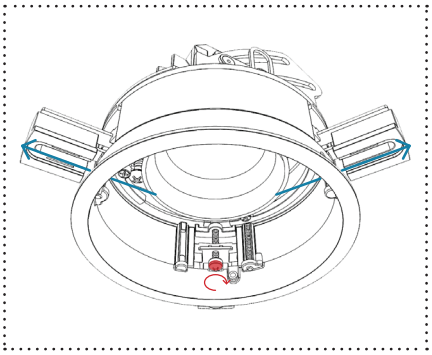
Ⓖ IC HOUSING

- For IC, Airtight, CCEA ceilings.
- Chicago Plenum & ASTM E283 Airtight rated.
- Consult factory for particular housing details.
- WARNING: Polycell spray-in foam insulation having max R-Value 40 requires setback of 3" (76mm) from all sides and top of IC housing; NOTE: Consult factory for spacing require ments for any installations exceeding R-Value 40.

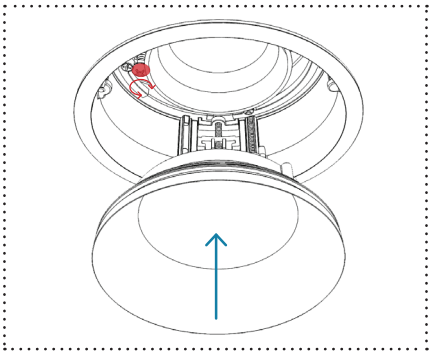
Example of general installation process. Figures may not depict actual trim shape or all steps involved.



Simply remove the pop-off baffle and depress 3 metal arms into the fixture body. The fixture inserts up and through the cut-out. No housing required in many installations.



Once flush against the ceiling plane, push the 3 arms back out of the fixture body. Using a standard screwdriver, pull the arms down to securely clamp the fixture to the ceiling panel.



Make desired adjustments to tilt and rotation. Insert baffle up and in to the aperture until it nestles into place.

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[043015]

F4R-AE-1-00 TRIMLESS

RECESSED LED DOWNLIGHT (IC, NON-IC, REMODEL)
4" ROUND **A**JUSTABLE **E**XPANDED APERTURE

PROVISIONAL
[SHIPPING JANUARY 2016]

ORDERING INFORMATION

Trim

F4R-AE-1 — 00 - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - 1

BAFFLE COLOR
- **W** White
- **B** Black
- **G** Metallic Gray
- **P** Primer
- **C** Custom

CRI/MODULE
- **80X** 80CRI Xicato
- **95X** 95CRI Xicato

SOURCE LUMENS
- **13B** 1300lm
- **16B** 1600lm [1]
- **21B** 2100lm
- **30B** 3000lm
- **13C** 1300lm Spot
- **20C** 2000lm Spot

OPTIC
- **1** 40° Faceted
- **2** 60° Smooth
- **3** 10° Spot
- **4** 25° Spot

INSTALL TYPE
- **I** IC [2]
- **N** NIC or Remodel

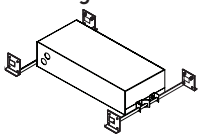
CEILING THICKNESS
- **1** .5" - 1.25"

COLOR TEMPERATURE

27	2700K	**35**	3500K
30	3000K	**40**	4000K

Lumen Package	80X	13B	16B	21B	30B	13C	20C	95X	13B	21B	30B	13C	20C
System Power Consumption		14.6W	16W	22W	35W	19W	37W		19W	27W	42W	29W	52W
LED Source lm/w		111 lm/w	125 lm/w	116 lm/w	108 lm/w	83 lm/w	66 lm/w		83 lm/w	96 lm/w	88 lm/w	54 lm/w	47 lm/w

Housing



DH — [ ] - F4R - [ ] - [ ] - [ ] - [ ] - 1

INSTALLATION TYPE
- **NC** No Insulation Contact
- **IC** Insulation Contact [2]

CRI/MODULE
- **80X** 80CRI Xicato
- **95X** 95CRI Xicato

SOURCE LUMENS
- **13B** 1300lm
- **16B** 1600lm [1]
- **21B** 2100lm
- **30B** 3000lm
- **13C** 1300lm Spot
- **20C** 2000lm Spot

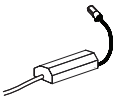
INPUT VOLTAGE
- **1** 120V
- **U** 120/277V

POWER SUPPLY
- **TR** Triac [3]
- **L2** Lutron 2 Wire (120V only)
- **L3** Lutron 3 Wire
- **AN** Analog
- **ND** Non-Dimming
- **EA** eldoLED Analog
- **ED** eldoLED Dali

RMT Remote — **Leave Blank Here;** specify PS-RMT in next section

CEILING THICKNESS
- **1** .5" - 1.25"

Non-IC Remote/ Universal/ Remodel Power Supply



PS — [ ] - [ ] - [ ] - [ ] - [ ]

APPLICATION TYPE
- **RMD** Remodel
- **RMT** [4] Remote

CRI/MODULE
- **80X** 80CRI Xicato
- **95X** 95CRI Xicato

SOURCE LUMENS
- **13B** 1300lm
- **16B** 1600lm [1]
- **21B** 2100lm
- **30B** 3000lm
- **13C** 1300lm Spot
- **20C** 2000lm Spot

INPUT VOLTAGE
- **1** 120V
- **U** 120/277V

POWER SUPPLY
- **TR** Triac [3]
- **L2** Lutron 2 Wire (120V only)
- **L3** Lutron 3 Wire
- **AN** Analog
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ACCESSORIES

[4] REMOTE/ UNIVERSAL/ REMODEL POWER SUPPLY

Accessory kit provides for conduit connection to NIC trim from remote power supply.

☐ **DLA-RMT-AK** Remote accessory kit

ADDITIONAL EFFECTS DEVICES

- ☐ **AGL-FR** Amber Glass Lens
- ☐ **CGL-FR** Clear Glass Lens
- ☐ **FGL-FR** Frosted Glass Lens
- ☐ **HCL-FR** Honeycomb Louver
- ☐ **LSL-FR** Linear Spread Lens
- ☐ **SGL-FR** Spread Lens
- ☐ **WTL-FR** Warm Tone Lens

EMERGENCY LIGHTING

During disruption of main power, emergency battery inverter provides temporary power supply to fixture. Select based on system power of specified fixture, or voltage needs.

- ☐ **EMB-S-20/25-120/277-LEDX**
  20/25 watt max capacity, 120 or 277 VAC 60Hz
- ☐ **EMB-S-100-120-LEDX**
  100 watt max capacity, 120 VAC 60Hz
- ☐ **EMB-S-250-277-LEDX**
  250 watt max capacity, 277 VAC 60Hz

[1] 1600lm not available for 95X
[2] IC not available for 80X-30B, 80X-20C, 95X-30B, 95X-21B, 95X-20C
[3] Triac not available for 80X-07B, 80X-16B, 80X-21B, 80X-10C, 95X-07B, 95X-21B, 95X-10C
[4] PS-RMT that will be used in remodel fixture applications requires selection of DLA-RMT-AK

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F4R-AE-1-00 TRIMLESS

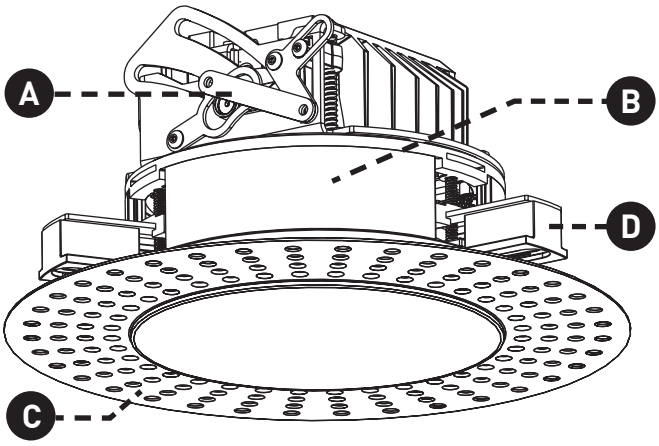
RECESSED LED DOWNLIGHT (IC, NON-IC, REMODEL)
4" ROUND **A**JUSTABLE **E**XPANDED APERTURE

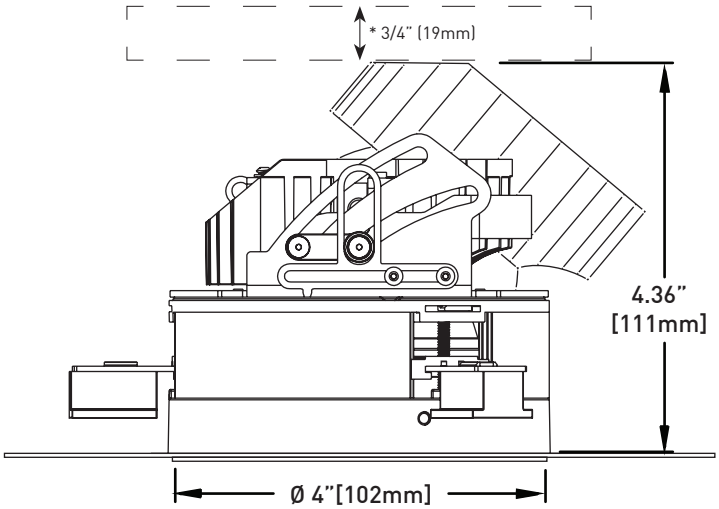
PROVISIONAL
[SHIPPING JANUARY 2016]

DIMENSIONS/ DRAWINGS

DOWNLIGHT FIXTURE

* Allow for additional 3/4" (19mm) clearance above the fixture.

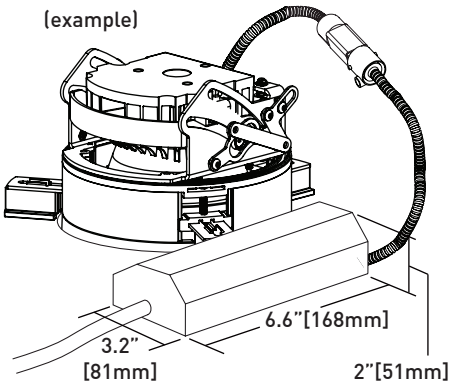




NON-IC TETHERED POWER SUPPLY/ REMODEL

E

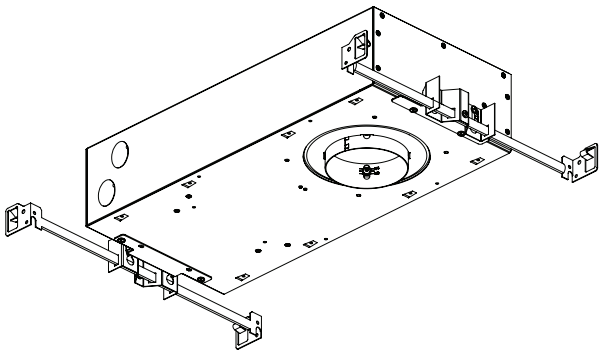
(example)



NON-IC HOUSINGS Housing used depends on specified lumen package. Consult factory for details.

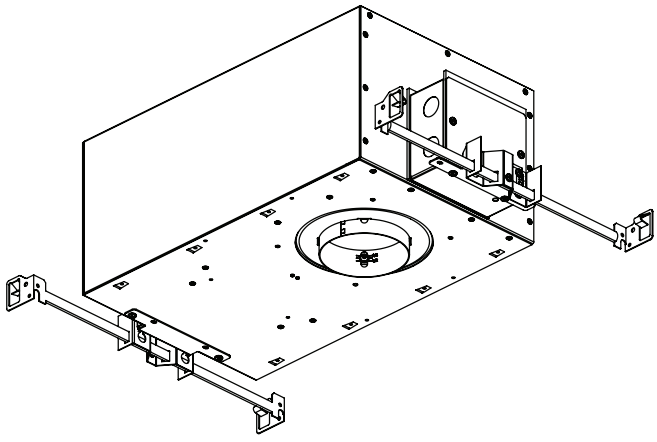
F

(SHALLOW PROFILE)



IC HOUSINGS Housing used depends on specified lumen package. Consult factory for details.

G



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4" ROUND **A**JUSTABLE **E**XPANDED APERTURE

PROVISIONAL
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LUTRON PRODUCTS COMPATIBILITY

Measured Light Output Range with all listed is **100% - 1%**.

Power supply **UL3**

Product Family	120V Part No.	277V Part No.	Fixtures Per Control 120V	277V
NovaT®	NTF-10-	NTF-10-277-	1 - 41	1 - 44
	NTF-103P-	NTF-103P-277-	1 - 20	1 - 33
Nova®	NF-10-	NF-10-277-	1 - 41	1 - 44
	NF-103P-	NF-103P-277-	1 - 20	1 - 33
Vareo®	VF-10-	--	1 - 20	--
Skylark®	SF-10P-	SF-12P-277-	1 - 20	1 - 33
	SF-103P-	SF-12P-277-3	1 - 20	1 - 33
Diva®	DVF-103P-	DVF-103P-277-	1 - 20	1 - 33
	DVSCF-103P-	DVSCF-103P-277-	1 - 20	1 - 33
Ariadni®	AYF-103P-	AYF-103P-277-	1 - 20	1 - 44
Vierti®	VTF-6A-		1 - 15	1 - 33
Maestro®	MAF-6AM-	MAF-6AM-277-	1 - 15	1 - 33
	MSCF-6AM-	MSCF-6AM-277-	1 - 15	1 - 33
Maestro Wireless®	MRF2-F6AN-DV-		1 - 15	1 - 33
RadioTouch®	RTA-RX-F-		1 - 41	1 - 88
Spacer System®	SPSF-6A-	SPSF-6A-277-	1 - 15	1 - 33
	SPSF-6AM-	SPSF-6AM-277-	1 - 15	1 - 33
Lyneo® Lx	LXF-103PL-	LXF-103PL-277-	1 - 20	1 - 33
RadioRA® 2	RRD-F6AN-DV-		1 - 15	1 - 33
HomeWorks® QS	HQRD-F6AN-DV		1 - 15	1 - 33
Interfaces	PHPM-3F	PHPM-3F-DV	1 - 41	1 - 88
	GRX-FDBI-16A		1 - 41	1 - 88
PowPak™ with Ecosystem	RMJ-ECO32-DV-B		32 per EcoSystem link	
Energi Savr Node™ with EcoSystem	QSN-1ECO-S, QSN-2ECO-S		63 per EcoSystem link	
GRAFIK Eye® QS with EcoSystem	QSG-_P120		64 per EcoSystem link	
Quantum®	Various		64 per EcoSystem link	

Power supply **1L2**

Product Family	Part No.	Fixtures Per Control (120V Only)
NovaT®	NTLV-600-CPN0199	1 - 8
Maestro Wireless®	MRF2-6ND-120	1 - 8
RadioRA® 2 1000W	RRD-10ND	1 - 13
RadioRA 2 adaptive dimmer	RRD-6NA	1 - 8
RadioRA 600W	RA-6ND	1 - 8
RadioRA 1000W	RA-10ND	1 - 13
HomeWorks® QS 600W (LED)	HQRD-6ND	1 - 8
HomeWorks QS 1000W (LED)	HQRD-10ND	1 - 13
HomeWorks QS adaptive dimmer	HQRD-6NA	1 - 8
HomeWorks QS WPM (LED)	HQRJ-WPM-6D-120	1 - 10 (per output)
HomeWorks 600W dimmer	HRD-6ND	1 - 8
HomeWorks 1000W dimmer	HWD-10ND, HRD-10ND	1 - 13
HomeWorks WPM	HWI-WPM-6D-120	1 - 10 (per output)
GRAFIK EYE® QS (fluorescent)	QSGR-, QSGRJ-	1 - 10 (per output)
GRAFIK EYE 3000 (fluorescent)	GRX-3100, GRX-3500	1 - 10 (per output)
RPM-4U module, (LCP, HomeWorks, GRAFIK Systems, Quantum®)	HW-RPM-4U-120, LP-RPM-4U-120	1 - 26 (per output)
RPM-4A module, (LCP, HomeWorks, GRAFIK Systems, Quantum) (LED)	HW-RPM-4A-120, LP-RPM-4A-120	1 - 13 (per output)
GP panels (LCP, HomeWorks, GRAFIK Systems, Quantum	Various	1 - 26
Stanza®	SZ-6ND	1 - 8

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