2 SERIES LED
ADJUSTABLE

High-output, low profile, and infinite adjustment -- these small aperture downlights make elegant design statements in discerning residential, retail, and hospitality environments.

ORDERING INFORMATION

Quick Ship Product. All rough in components ship within 10 days up to quantities of 100.

JA8-2022 INDICATED BY SHADING (TITLE 24 COMPLIANT)

TRIM	RATING	FLANGE FINISH	CRI	WATTAGE	CCT	OPTIC (UGR)	INSTALL TYPE	CEILING THICKNESS	POWER SUPPLY	MEDIA	FLANGE CONFIGURATION
2RA Round Expanded Aperture **2PA** Round Pinhole Aperture **2SA** Square Expanded Aperture	**1** IP20 Dry / Damp **2** IP64 Wet * *(Lens sealed in place)	**WH** White **AG** Satin Silver **IG** Industrial Gray **AU** Cashmere Gold **AB** Arch Bronze **BB** Burnt Bronze **BK** Black **PR** Primer **SS** Stainless Steel* *(Increased lead time) **CF** Custom* *(Consult Factory) **FINISH IMAGES ON PAGE 2**	**LOW FLUX/ HIGH FLUX STATIC WHITE** **80S** 80+ **90S** 90+ **97S** 97+ **WARM DIM** **90L** 90+ **TUNABLE WHITE** **90T** 90+	**LOW FLUX STATIC WHITE 3.73" TALL HOUSING** **06A** 06W Lm - 2RA 578, 2PA 469, 2SA 520 **11A** 11W Lm - 2RA 928, 2PA 764, 2SA 872 **15A** 15W Lm - 2RA 1268, 2PA 1029, 2SA 1195 **HIGH FLUX STATIC WHITE 6.5" TALL HOUSING** **21A** 21W Lm - 2RA 1702, 2PA 1400, 2SA 1600 **WARM DIM 6.5" TALL HOUSING** **11A** 11W **15A** 15W **22A** 22W Incandescent Profile 11A Lm - 2RA 798, 2PA 682, 2SA 728 15A Lm - 2RA 1064, 22PA 909, 2SA 971 22A Lm - 2RA 1383, 2PA 1182, 2SA 1262 Halogen Profile 11A Lm- 2RA 840, 2PA 718, 2SA 767 15A Lm - 2RA 904, 2PA 756, 2SA 850 22A Lm - 2RA 1501, 2PA 1282, 2SA 1369 *SEE PAGE 3 FOR DETAILED WARM DIM PROFILE COMPARISON. **TUNABLE WHITE 6.5" TALL HOUSING** **17A** 17 W Warm Profile Lm - 2RA 1067, 2PA 908, 2SA 960 Cool Profile: Lm - 2RA 1049, 2PA 900, 2SA 944 *ALL DELIVERED LUMEN OUTPUTS REFLECT 3000K PAIRED WITH 20° OPTIC AND SOFT FOCUS LENS. **ALL T-24 COMPLIANCE REFLECT 3000K PERFORMANCE. REFERENCE PAGE 3 FOR COMPLETE T24 COMPLIANT CONFIGURATION BREAKDOWN.	**24** 2400K* *(90 CRI only, 15W max) **27** 2700K **30** 3000K **35** 3500K **40** 4000K **WL** 2700K - 1800K **WD** 3000K - 1800K **TR** 4000K - 1800K **TH** 5000K - 2700K	**10** 10°* *(15W packages only) *(Not recommended for 2PA) **15** 15° [<13] **20** 20° [<13] **25** 25° [<13] **40** 40° [<13] **60** 60°** [<13] **(Not recommended for 2PA) **15** 15° [<13] **20** 20° [<13] **25** 25° [<13] **40** 40° [<13] **60** 60°* [<13] *(Not recommended for 2PA) **15** 15° [<13] **20** 20° [<13] **25** 25° [<13] **40** 40° [<13] **60** 60°* [<13] *(Not recommended for 2PA) *SEE PAGE 3 FOR UGR RATINGS.	**Housing W/ Integral Driver (HB)** **NC** NIC **IC** IC **AT** IC, Airtight* *(CCEA, Airtight and Title 24 compliant housing) **Housing W/ Remote Driver (HR)** **NR** NIC, Remote **IR** IC, Remote **AR** IC, Airtight, Remote* *(CCEA, Airtight and Title 24 compliant housing) **Remodel** **RM** Remodel **RR** Remote-Remodel	**0** 0.125"-0.49"* *(RM, RR Install Types only) **1** 0.50"-0.75" **2** 0.76"-1.25"* *(Max Tilt 35°, see page 4 for details) **3** 1.26"-2.00"* *(Max Tilt 13°, see page 4 for details) **4** 2.01"-3.00"* *(Max Tilt 5°, see page 4 for details)	**(120V)** **TR2** Philips, 2% Forward/Reverse **(120-277V)** **LH1** Lutron, Hi-Lume 1% Ecosystem* **LP1** Lutron, Premier 0.1% Ecosystem *(Not available for 6W) **AN4** Philips Xitanium 1% 0-10V, LOG **LN2** Philips Xitanium 1% 0-10V, LIN **EA2** eldoLED, 0.1% 0-10V, LOG **LA2** eldoLED, 0.1% 0-10V, LIN **ED1** eldoLED, SOLOdrive 0.1% DALI-2, LOG **LD1** eldoLED, 0.1% DALI-2, LIN **AS1/ ASR** Athena Control eldoLED, 0.1% 120-277V* **CS1/ CSR** Casambi Control eldoLED, 0.1% 120-277V* *(Includes Node. Extended lead time, consult factory. ASR/CSR includes remote shunt) **TUNABLE WHITE REMOTE (0.1%, 120-277V)** **DD1** eldoLED, DUALdrive DALI-2, LOG **DG1** eldoLED, DUALdrive 0-10V, LOG **DN1** eldoLED, DUALdrive 0-10V, LIN **AD1/ ADR** Athena Control, EldoLED, DUALdrive* **CD1/ CDR** Casambi Control, EldoLED, DUALdrive* *(Includes Node. Extended lead time, consult factory. ASR/CSR includes remote shunt)	**Standard Media** **04** Soft Focus Lens **Alternate Media** **NL** No Lens* *(Not available for wet location) **02** Honeycomb Louver* *(Not available for wet location) **03** Clear Glass Lens **05** Frosted Glass Lens **09** Ultra Violet Lens **11** Shatterproof Soft Focus Lens **12** Shatterproof Frosted Lens **26** Frosted Linear Spread Lens* *(Not available for wet location)	**F** Flange Overlay (No Applique)* *(Required for Zero-Sightline wood applications) **G** Zero Sightline Gypsum (1/16" Applique)* *(Not available for wet location) **P** Zero Sightline Plaster (1/8" Applique)* *(Not available for wet location)

PART NUMBER NOTES

- Trims ships as e.g., 2RA1-WH-80S15A2-2HB1-TR204
- Housing ships as e.g., NCL-2RF-1-LED-01
- Drivers ship with trim
- Appliqué ships with housing

2 SERIES LED ADJUSTABLE

ACCESSORIES

SECONDARY MEDIA

☐ **HCL-2** Honeycomb Louver
☐ **CGL-2** Clear Glass Lens
☐ **SFL-2** Soft Focus Lens
☐ **FGL-2** Frosted Glass Lens
☐ **UVL-2** Ultra Violet Lens
☐ **FLSL-2** Frosted Linear Spread Lens
☐ **SFL-2-SP** Shatterproof Soft Focus Lens
☐ **FGL-2-SP** Shatterproof Frosted Lens

ROUTER TOOL GUIDE (Dry / Damp locations only)
Recommended for Zero-Sightline installations in wood ceilings.

☐ **DLA-RTG-2S-RD** Tool, router guide, round; reusable
☐ **DLA-RTG-2S-SQ** Tool, router guide, square; reusable

STATIC WHITE REPLACEMENT OPTICS

☐ **RO-50-15-S** 15° optic
☐ **RO-50-20-S** 20° optic
☐ **RO-50-25-S** 25° optic
☐ **RO-50-40-S** 40° optic
☐ **RO-50-60-S** 60° optic*
  *(Not recommended for 2PA)

WARM DIM REPLACEMENT OPTICS

☐ **RO-50-20-W** 20° optic
☐ **RO-50-25-W** 25° optic
☐ **RO-50-40-W** 40° optic
☐ **RO-50-60-W** 60° optic*
  *(Not recommended for 2PA)

TUNABLE WHITE REPLACEMENT OPTICS

☐ **RO-50-15-T** 15° optic
☐ **RO-50-20-T** 20° optic
☐ **RO-50-25-T** 25° optic
☐ **RO-50-40-T** 40° optic
☐ **RO-50-60-T** 60° optic*
  *(Not recommended for 2PA)

HANGER BAR EXTENDER KIT
Extends hanger bars from 24.0" to 46.0" maximum.

☐ **2S-HBE-46** Extender, Hanger Bar

FURRING CHANNEL ACCESSORY KIT
Recommended for installations in furring channel. Available for ceiling thicknesses
from 0.125" - 1.25".

☐ **DHA-FC-KIT**

ADJUSTMENT TOOL
One included with every four fixtures.

☐ **TOOL-HEX-050**

EMERGENCY LIGHTING - REMOTE MOUNT ONLY
During disruption of main power, emergency battery inverter provides temporary 120V or 277V to fixture.

☐ **EMB-S-25-120/277-LEDX** 25 watt max capacity, 120 or 277 VAC 60Hz, Non-Dimmable
☐ **EMB-S-100-120-LEDX** 100 watt max capacity, 120 VAC 60Hz, 0-10V Dimmable
☐ **EMB-S-100-277-LEDX** 100 watt max capacity, 277 VAC 60Hz, 0-10V Dimmable
☐ **EMB-S-250-120/277-LEDX** 250 watt max capacity, 120 or 277 VAC 60Hz, 0-10V Dimmable

FINISHES BY LUCIFER LIGHTING

(WH) White Powder Coat
(AG) Satin Silver Powder Coat
(IG) Industrial Gray
(AU) Cashmere Gold Powder Coat

(AB) Architectural Bronze Powder Coat
(BB) Burnt Bronze Powder Coat
(BK) Black Powder Coat
(SS) Stainless Steel Orbital Brushed 304 Stainless Steel

luciferlighting.com

©2025 Lucifer Lighting Company
As part of its policy of continuous research and product development, the company reserves the right to change or withdraw specifications without prior notice.

[PH] +1-210-227-7329
[FAX] +1-210-227-4967

pg. 2

[DATE OF REV: 05062025]

2 SERIES LED ADJUSTABLE

◎ PERFORMANCE - 3000K

CRI / WATTAGE PACKAGE	WATTAGE	ADJUSTABLE - 20° OPTIC - SOFT FOCUS LENS					
		2RA		2PA		2SA	
		DELIVERED	LPW	DELIVERED	LPW	DELIVERED	LPW
80S06A	6	670	112	544	91	603	100
80S11A	11	1076	98	886	80	1011	92
80S15A	15	1471	98	1194	80	1386	92
80S21A	21	1974	94	1624	77	1856	88
90S06A	6	578	96	469	78	520	87
90S11A	11	928	84	764	69	872	79
90S15A	15	1268	84	1029	69	1195	80
90S21A	21	1702	81	1400	67	1600	76
97S06A	6	509	85	413	69	458	76
97S11A	11	817	74	672	61	767	70
97S15A	15	1116	74	905	60	1052	70
97S21A	21	1498	71	1232	59	1408	67
90L11AWL (2700K-1800K)	11	798	73	682	62	728	66
90L11AWD (3000K-1800K)	11	840	76	718	65	767	70
90L15AWL (2700K-1800K)	15	1064	71	909	61	971	65
90L15AWD (3000K-1800K)	15	1120	75	957	64	1022	68
90L22AWL (2700K-1800K)	22	1383	63	1182	54	1262	57
90L22AWD (3000K-1800K)	22	1501	68	1282	58	1369	62
90T17ATR (4000K-1800K)	17	1067	57	908	54	960	56
90T17ATH (5000K-2700K)	17	1049	60	900	53	944	56

CRI / WATTAGE PACKAGE	WATTAGE	ADJUSTABLE - 10° OPTIC - FIELD REDUCER					
		2RA		2PA		2SA	
		DELIVERED	LPW	DELIVERED	LPW	DELIVERED	LPW
80S15C	15	491	33	415	28	453	30
90S15C	15	423	28	358	24	390	26
97S15C	15	365	24	309	21	337	22

OUTPUT MULTIPLIER

CCT	CCT SCALE
2400K	0.76
2700K	0.97
3000K	1.000
3500K	1.03
4000K	1.08

MEDIA LIGHT LOSS FACTOR

MEDIA	LIGHT LOSS FACTOR
NO LENS	1.15
CGL	1.03
SFL	1.00
FGL	0.79
FSFL	0.70
FLSL	0.70
HCL	0.81

TUNABLE WHITE MULTIPLIER

CCT	5000K-2700K	4000K-1800K
5000K	1.16	-
4000K	1.08	1.14
3500K	1.04	1.07
3000K	1.00	1.00
2700K	0.96	0.92
2400K	-	0.84
1800K	-	0.69

UNIFIED GLARE RATIING

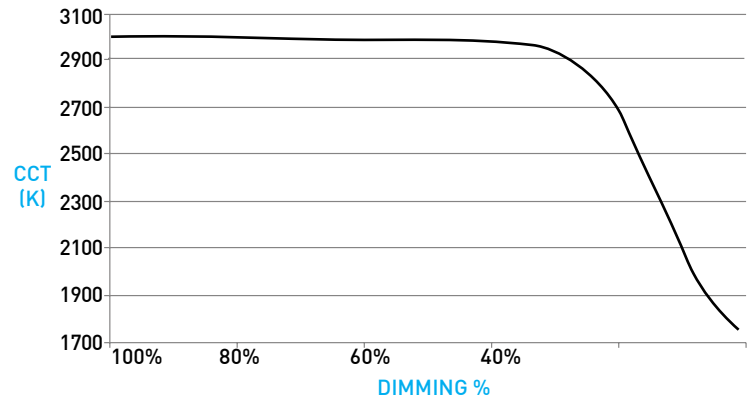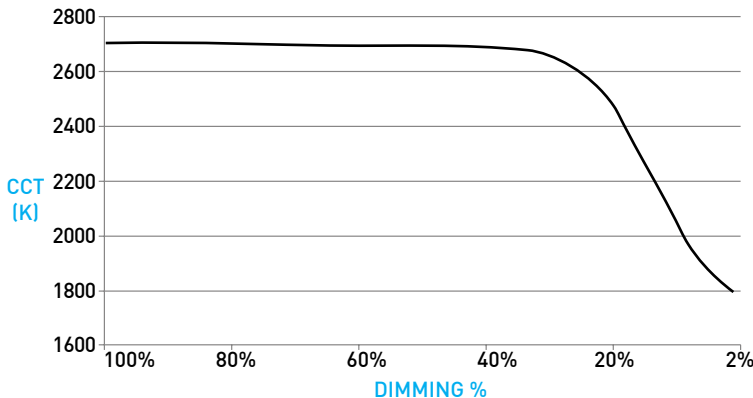| 10° OPTIC FIELD REDUCER	20° OPTIC SOFT FOCUS LENS	25° OPTIC SOFT FOCUS LENS	40° OPTIC SOFT FOCUS LENS	60° OPTIC SOFT FOCUS LENS
<13	<13	<13	<13	<13

☀ WARM DIM PERFORMANCE -2RA - 20˚ OPTIC - SOFT FOCUS LENS

INCANDESCENT PROFILE

90L11AWL 2700K - 1800K	Full on 100%	Dimmed to 80%	Dimmed to 70%	Dimmed to 50%	Dimmed to 20%	Dimmed to 10%	Dimmed to 2%
CCT (K)	2700K	2700K	2700K	2600K	2200K	1900K	1800K
Light Output (Lm)	798	638	559	399	160	80	16
Power (W)	11	8.8	7.7	5.5	2.2	1.1	.2
Efficacy (LPW)	73	73	73	73	73	73	73
90L15AWL 2700K - 1800K	Full on 100%	Dimmed to 80%	Dimmed to 70%	Dimmed to 50%	Dimmed to 20%	Dimmed to 10%	Dimmed to 2%
CCT (K)	2700K	2700K	2700K	2700K	2500K	1900K	1800K
Light Output (Lm)	1064	851	745	532	213	106	21
Power (W)	15	12	10.5	7.5	3	1.5	.3
Efficacy (LPW)	71	71	71	71	71	71	71
90L22AWL 2700K - 1800K	Full on 100%	Dimmed to 80%	Dimmed to 70%	Dimmed to 50%	Dimmed to 20%	Dimmed to 10%	Dimmed to 2%
CCT (K)	2700K	2700K	2700K	2700K	2600K	2100K	1800K
Light Output (Lm)	1383	1106	968	692	277	138	28
Power (W)	22	17.6	15.4	11	4.4	2.2	.4
Efficacy (LPW)	63	63	63	63	63	63	63

HALOGEN PROFILE

90L11AWD 3000K - 1800K	Full on 100%	Dimmed to 80%	Dimmed to 70%	Dimmed to 50%	Dimmed to 20%	Dimmed to 10%	Dimmed to 2%
CCT (K)	3000K	3000K	3000K	3000K	2500K	1900K	1800K
Light Output (Lm)	840	672	588	420	168	84	17
Power (W)	11	8.8	7.7	5.5	2.2	1.1	.2
Efficacy (LPW)	76	76	76	76	76	76	76
90L15AWD 3000K - 1800K	Full on 100%	Dimmed to 80%	Dimmed to 70%	Dimmed to 50%	Dimmed to 20%	Dimmed to 10%	Dimmed to 2%
CCT (K)	3000K	3000K	3000K	3000K	3000K	2000K	1800K
Light Output (Lm)	1120	896	784	560	224	112	22
Power (W)	15	12	10.5	7.5	3	1.5	.3
Efficacy (LPW)	75	75	75	75	75	75	75
90L22AWD 3000K - 1800K	Full on 100%	Dimmed to 80%	Dimmed to 70%	Dimmed to 50%	Dimmed to 20%	Dimmed to 10%	Dimmed to 2%
CCT (K)	3000K	3000K	3000K	3000K	3000K	2500K	1800K
Light Output (Lm)	1501	1201	1051	751	300	150	30
Power (W)	22	17.6	15.4	11	4.4	2.2	.4
Efficacy (LPW)	68	68	68	68	68	68	68

LUCIFER LIGHTING COMPANY

luciferlighting.com

©2025 Lucifer Lighting Company
As part of its policy of continuous research and product development, the company reserves the right to change or withdraw specifications without prior notice.

[PH] +1-210-227-7329
[FAX] +1-210-227-4967

pg. 3

[DATE OF REV: 05062025]

2 SERIES LED ADJUSTABLE

DOWNLIGHT

Hot-aim adjustment from below up to 45° tilt and 357° rotation, faceplate conceals adjustment mechanisms, ensuring fixture aim integrity is maintained

Ⓐ ADJUSTABLE YOKE
Adjustable yoke allows for quick exchange of optics and media. Accommodates up to 2 media; add 0.16" to fixture height with use of each media.

Ⓑ OPTICS
Robust light engine with optimized optic pairing integrates Reflection, Refraction, and TIR offering 10°, 15°, 20°, 25°, 40° & 60° beams. Soft Focus Lens, Honeycomb Louver, and Field Reducer provided with 10° optic.

Ⓒ TILT GUIDE
Features adjustment angles and allows for pre-aiming prior to insertion of fixture.

Ⓓ MEDIA
Soft Focus Lens standard; media must be specified. Lens is sealed in aperture in Wet location fixture. Secondary media available.

Ⓔ TRIM PLATE
Features removable faceplate providing access to adjustment mechanisms. Rare Earth magnets secure faceplate firmly to trim mechanism and do not degrade over time.

- Dry / Damp Location: Thickness measures 0.06".

- Wet Location: Sealed aperture and integral silicone gasket. 0.17" (4.3mm) return, installed as flange overlay only.

Ⓕ DOWNLIGHT TRIM ADAPTER
Included with fixture and required for installation. Provides required alignment with trim, ensuring fixture aim integrity is maintained. Uses (2) #6-32 flat-head screws with varying lengths to accommodate ceiling depth. Installed after ceiling is complete.

Ⓕ1 RETENTION
Integral ball plungers correspond to trim adapter ensuring snug fit against finished ceiling.
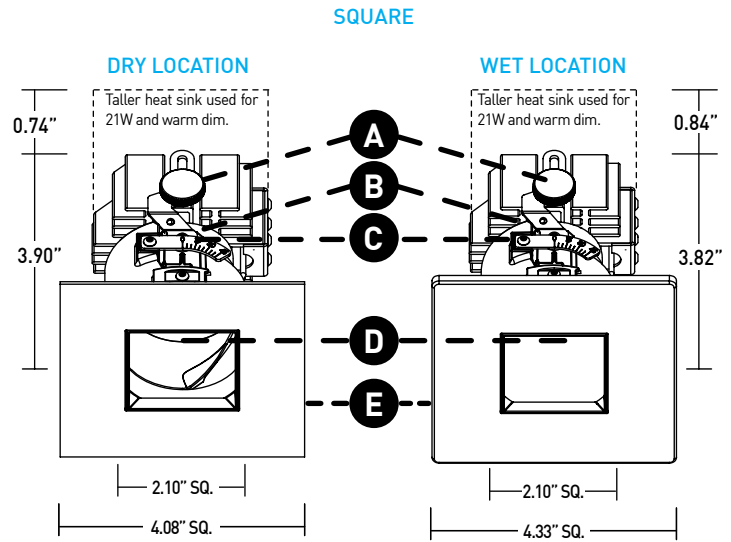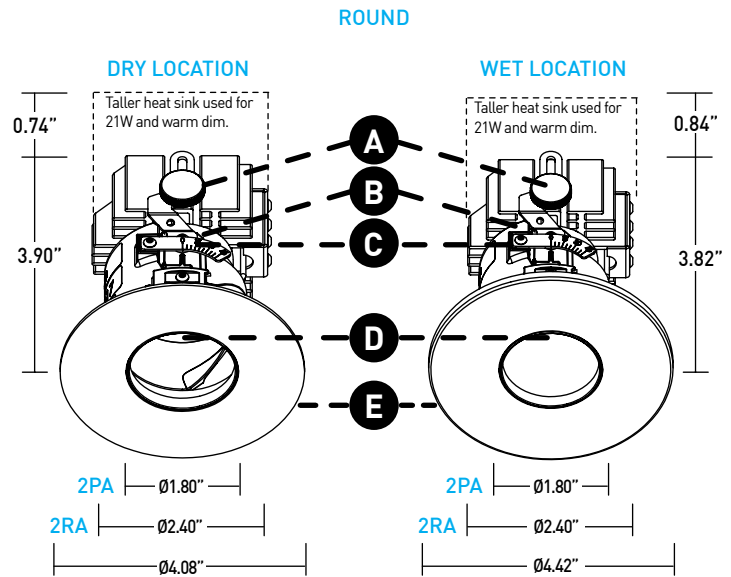
TILT CHART

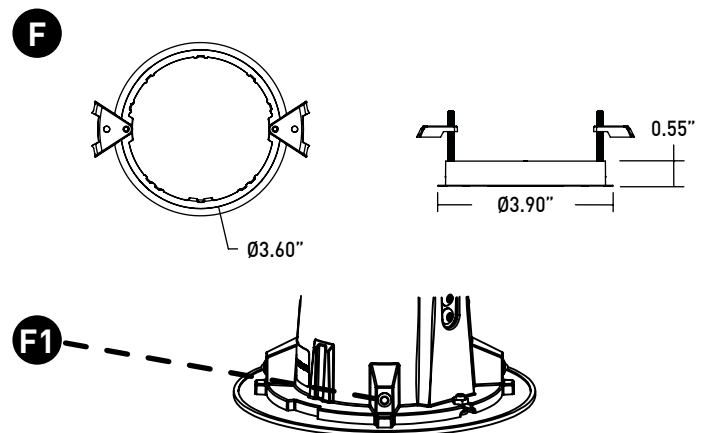Chart references abbreviated ceiling thickness and use of 1 media.

HOUSING

CEILING THICKNESS	≤0.75" (19mm) "-1" collar	≤1.25" (32mm) "-2" collar	≤2.00" (50mm) "-3" collar	≤2.25" (57mm) "-4" collar	≤3.00" (76mm) "-4" collar
Low Flux	45°	30°	10°	5°	4°
High Flux	45°	35°	13°	5°	4°

REMODEL

CEILING THICKNESS	≤0.50" (13mm) "-0" collar	≤0.75" (19mm) "-1" collar	≤1.00" (25mm) "-2" collar	≤1.25" (32mm) "-2" collar
Low Flux	45°	45°	45°	38°
High Flux	45°	45°	45°	45°

CEILING THICKNESS	≤1.50" (38mm) "-3" collar	≤2.00" (51mm) "-3" collar	≤2.50" (70mm) "-4" collar	≤3.00" (76mm) "-4" collar
Low Flux	32°	18°	8°	6°
High Flux	38°	25°	13°	6°

DIMENSIONS / DRAWINGS

ROUND

DRY LOCATION

0.74"

Taller heat sink used for 21W and warm dim.

3.90"

Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ

2PA	Ø1.80"
2RA	Ø2.40"
	Ø4.08"

WET LOCATION

0.84"

Taller heat sink used for 21W and warm dim.

3.82"

2PA	Ø1.80"
2RA	Ø2.40"
	Ø4.42"

SQUARE

DRY LOCATION

0.74"

Taller heat sink used for 21W and warm dim.

3.90"

2.10" SQ.
4.08" SQ.

WET LOCATION

0.84"

Taller heat sink used for 21W and warm dim.

3.82"

2.10" SQ.
4.33" SQ.

Ⓕ

Ø3.60"
Ø3.90"
0.55"

Ⓕ1

luciferlighting.com   ©2025 Lucifer Lighting Company

As part of its policy of continuous research and product development, the company reserves the right to change or withdraw specifications without prior notice.

[PH] +1-210-227-7329   pg. 4
[FAX] +1-210-227-4967

LUCIFER LIGHTING COMPANY

[DATE OF REV: 05062025]

2 SERIES LED ADJUSTABLE

HOUSING

G **LOW FLUX NO INSULATION CONTACT (NON-IC) HOUSING**
- Included with NC and NR Low Flux wattage packages.
- Minimum 0.50" setback from combustible and non-combustible materials on all sides and top of housing.
- Minimum 3.00" setback from insulation material having max R-Value 30 on all sides and top of housing.
- Minimum 6.00" setback from polycell spray foam insulation having max R-Value 60.

LOW FLUX INSULATION CONTACT (IC) HOUSING
- Included with IC, IR, AT, and AR LOW Flux wattage packages.
- No setback from polycell spray foam insulation having max R-Value of 60 on all sides and top of housing.

H **HIGH FLUX / WARM DIM HOUSING**
- Satisfies IC, Airtight and NON-IC configurations.
- Included with all HIGH Flux and Warm Dim wattage packages.
- No setback from polycell spray foam insulation having max R-Value of 60 on all sides and top of housing.

HOUSING MOUNTING NOTES

- AT and AR install types are required for CCEA, Airtight and Title 24 (JA8) applications.
- Do not install in environments where ambient temperatures exceed 40°C (104°F).
- Power supply compartment and all splice connections may be serviced from room side.
- Consult factory for spacing requirements for any installations exceeding R-Value 60.
- Hanger bars fitted to short and long side of Low Flux Housing, and short side only of High Flux/Warm Dim Housing; extend from 14.0" to 24.0", but may be field cut to accommodate narrow stud spacing. Can be extended up to 46" maximum with 2S-HBE-46 kit.
- Hanger bars and brackets add 4.00" to the overall dimension, but are exclusive of the setback requirements.
- Driver assembly ships with trim, not housing. Housing and trim feature push nuts and lever nuts for ease of installation.
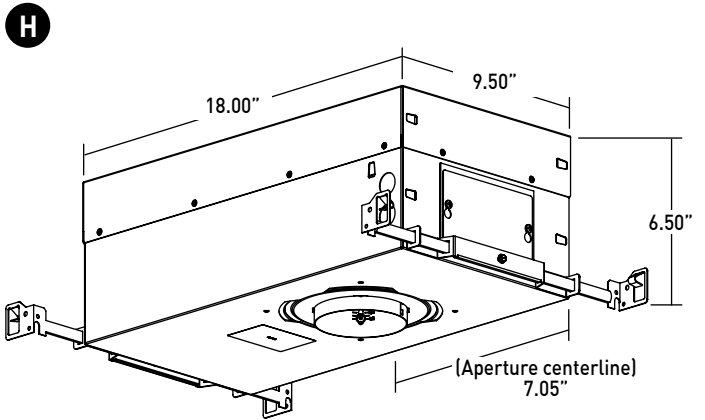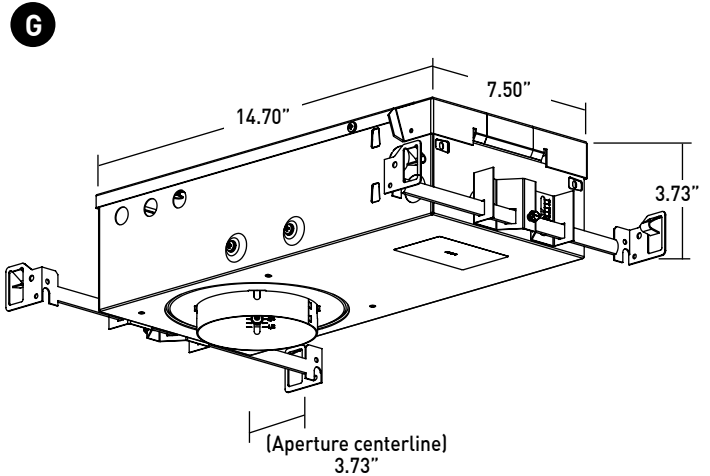
REMOTE POWER SUPPLY

I Provided with install types "IR", "NR" and "AR". See page 7 for maximum allowable wiring distances. Must be installed in an accessible location.

J **ATHENA / CASAMBI CONTROL**
Controls integrated into housing or remote driver assembly. All equipment is serviceable.

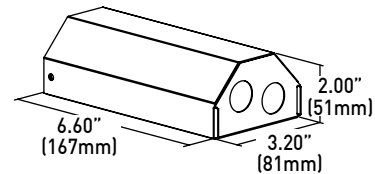Athena Model Numbers: A-WN-D01-RF-BL & DFC-OEM-DBI

Casambi Model Number: BT-S1E1-5400

K **ATHENA / CASAMBI EM SHUNT**
Inlcuded with integral or remote drivers specified as ASR, ADR, CSR, or CDR. One required for each wireless EM fixture, requires class 2 control wiring between fixture and shunt, as shunt is always remote. Remote power supply features integrated test switch.
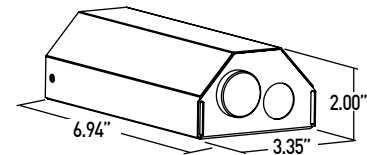
Model Number: PS-RMT-SHUNT
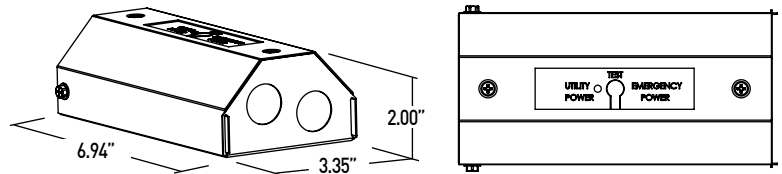
DIMENSIONS / DRAWINGS

G

14.70"   7.50"   3.73"

(Aperture centerline) 3.73"

H

18.00"   9.50"   6.50"

(Aperture centerline) 7.05"

I STANDARD ENCLOSURE

6.60" (167mm)   2.00" (51mm)   3.20" (81mm)

J ATHENA / CASAMBI ENCLOSURE

6.94"   2.00"   3.35"

K ATHENA / CASAMBI EM SHUNT

6.94"   3.35"   2.00"

UTILITY POWER   TEST   EMERGENCY POWER

LUCIFER LIGHTING COMPANY

luciferlighting.com

©2025 Lucifer Lighting Company
As part of its policy of continuous research and product development, the company reserves the right to change or withdraw specifications without prior notice.

[PH] +1-210-227-7329
[FAX] +1-210-227-4967

pg. 5

[DATE OF REV: 05062025]

2 SERIES LED ADJUSTABLE

REMODEL POWER SUPPLY

L REMODEL POWER SUPPLY
- Included with RM Install Type.
- UL2043 listed for air-handling plenum.
- Fixture mounts without conventional housing using supplied downlight trim adapter.
- Minimum 0.75" clearance from top of fixture.
- Minimum setback from combustible and non-combustible materials of 6.63" radius from fixture centerline.
- Minimum 3.00" setback from surfaces of power supply / junction box if not situated within above noted radius from fixture centerline.
- Minimum additional 3.00" setback from insulation material with max R-Value 30 from any surface of downlight fixture assembly.
- Minimum additional 6.00" setback from polycell spray foam insulation with max R-Value 60 from any surface of downlight fixture assembly.

REMODEL NOTES

- Do not install in environments where ambient temperatures exceed 40°C (104°F).
- Power supply compartment and all splice connections may be serviced from room side.
- Consult factory for spacing requirements for any installations exceeding R-Value 60.

M REMOTE APPLICATIONS
- Remote power supply included with RR Install Type.
- Must be installed in an accessible dry/damp location.
- Do not install in environments where ambient temperatures exceed 40°C (104°F)
- Requires plenum rated Class 2 cable between fixture and remote driver. Cable supplied by others.
- See page 7 for maximum allowable wiring distances.

ZERO-SIGHTLINE INSTALLATIONS

Fixture regresses flush with the finished ceiling plane when installed according to manufacturer instructions and finished ceiling conditions are met. Consult 2-Series Installation Guidelines for appropriate ceiling cutouts and instructions for proper Zero-Sightline installations.
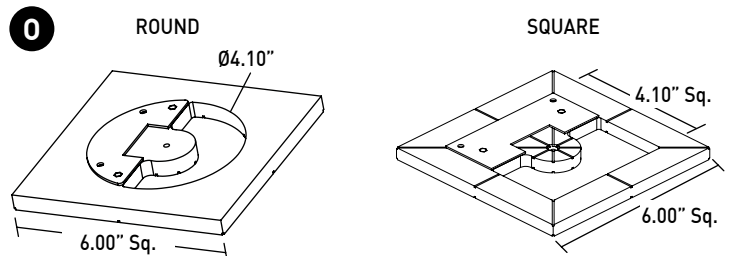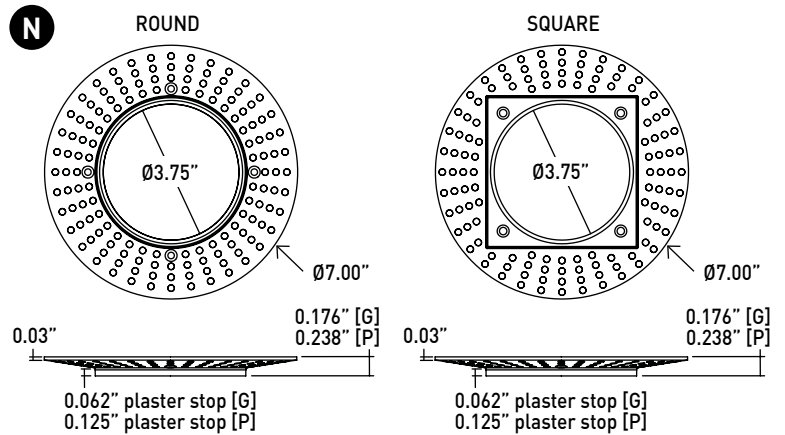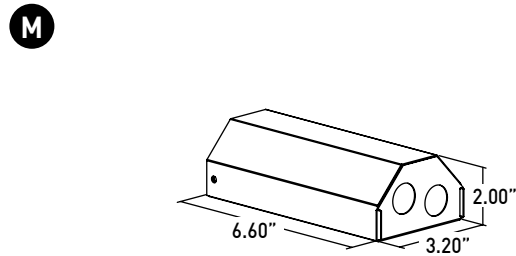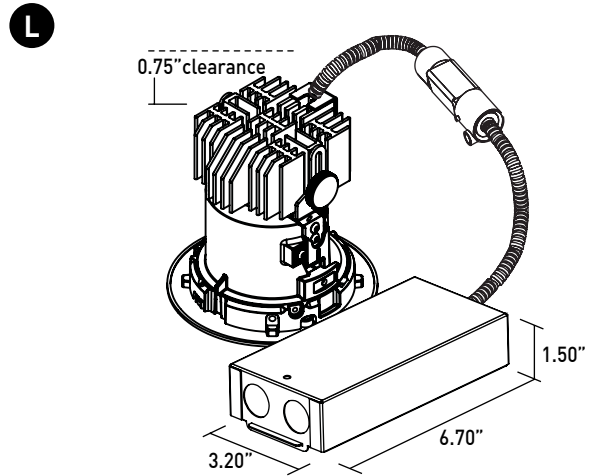
N APPLIQUÉ
- Specified on Flange Configuration and ships with housing; ships separately on remodel installations.
- For use in sheetrock ceiling applications.
  - 1/16" Appliqué (G Flange Configuration) recommended for gypsum ceiling installations and has plaster stop thickness of 1/16". Recommended for painted ceiling applications.
  - 1/8" Appliqué (P Flange Configuration) offers double thick plaster stop of 1/8" where a heavier application of mud is preferred. Recommended for colorfast and venetian plaster applications.
- Not recommended for stucco applications.

O ROUTER TOOL GUIDE
- Specified separately and used with Flange Overlay configurations.
- For use in wood ceiling applications.
- **DLA-RTG-2S-RD** or **DLA-RTG-2S-SQ** required for wood Zero-Sightline ceiling installations.
- Router tool guide is reusable and suitable for multiple fixtures, minimum one per installer required.

DIMENSIONS / DRAWINGS

L

0.75"clearance

1.50"

6.70"

3.20"

M

2.00"

6.60"

3.20"

N

ROUND

Ø3.75"

Ø7.00"

0.03"

0.176" [G]
0.238" [P]

0.062" plaster stop [G]
0.125" plaster stop [P]

SQUARE

Ø3.75"

Ø7.00"

0.03"

0.176" [G]
0.238" [P]

0.062" plaster stop [G]
0.125" plaster stop [P]

O

ROUND

Ø4.10"

6.00" Sq.

SQUARE

4.10" Sq.

6.00" Sq.

luciferlighting.com

©2025 Lucifer Lighting Company
As part of its policy of continuous research and product development, the company reserves the right to change or withdraw specifications without prior notice.

[PH] +1-210-227-7329
[FAX] +1-210-227-4967

pg. 6

[DATE OF REV: 05062025]

2 SERIES LED ADJUSTABLE

TECHNICAL INFORMATION

CONSTRUCTION
<u>Downlight</u>: Steel and aluminum; extruded aluminum heat-sink; painted finishes are granulated powder coat. 304 corrosion resistant stainless steel faceplate for wet location fixtures.
<u>Trim Adapter</u>: High-impact composite and stainless steel.
<u>Housing</u>: 22 Gauge galvanized steel.
<u>Appliqué</u>: Zinc alloy.

STATIC WHITE LED
2-step MacAdam ellipse LED module available in 80+, 90+ and 97+ CRI configurations in color temperatures of 2700K, 3000K, 3500K and 4000K. 3-step MacAdam ellipse LED module available in 90+ configuration in color temperature of 2400K. Average rated lamp life of 50,000 hours. LED and driver assemblies are field-replaceable.

WARM DIM LED
3-step MacAdam ellipse warm dim LED module available in 90+ CRI configuration. 3000K or 2700K at full brightness, warming to 1800K at full dim. Average rated lamp life of 50,000 hours. LED and driver assemblies are field-replaceable.

TUNABLE WHITE LED
3-step MacAdam ellipse tunable white LED module available in 90+ CRI configuration. Features tuning range of 2700K to 5000K and 1800K to 4000K. Average rated lamp life of 50,000 hours. Driver assemblies are field-replaceable.

POWER SUPPLY PERFORMANCE AND DIMMING INFORMATION

Power Supply	PHASE	ECO		0-10V						DALI-2			ATHENA	CASAMBI
	TR2	LH1	LP1	EA2	LA2	AN4	LN2	DG1	DN1	ED1	LD1	DD1	AS1/AD1	CS1/CD1
Minimum °C	-20°C	0°C	0°C	-20°C	-20°C	-20°C	-20°C	-20°C	-20°C	-20°C	-20°C	-20°C	0°C	-20°C
Maximum °C	40°C	40°C	40°C	40°C	40°C	40°C	40°C	40°C	40°C	40°C	40°C	40°C	40°C	40°C
Dimming %	2.0%	1.0%	0.1%	0.1%	0.1%	1.0%	1.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%

Note: For EA2 and LA2 drivers consult chart on page 8 to confirm appropriate dimming curve for compatibility with selected control.

MAXIMUM ALLOWABLE REMOTE DRIVER WIRING DISTANCES

DRIVER	WIRE AWG				
	12	14	16	18	20
TR2, AN4, LN2	285'	180'	113'	71'	45'
LH1, LP1	60'	40'	25'	15'	-
EA2, LA2, ED1, LD1, DG1, DN1, DD1, AS1, AD1, CS1, CD1	-	-	118'	72'	46'

WEIGHT
Trim - 2.2 lbs max
Low Flux Housing - 4.2 lbs
High Flux / Warm Dim Housing - 7.4 lbs
Remote / Remodel Driver - 1.4 lbs

LISTING
cTUVus listed to UL1598 standard for IP20 Dry / Damp and IP64 Wet locations. CCEA, Airtight and Title 24 JA8-2022 Listed. NEMA 410 Compliant.

DECLARE
LBC Red List Approved.

LIMITED WARRANTY
Manufacturer's Limited Warranty guarantees product(s) listed to be free from defects in material and workmanship under normal use and service for 1-year. LED and power supplies are warranted to operate with 70% of original flux and remain within a range of 3 duv for a period of 5-years. 10-year Lutron Advantage limited warranty available on Lutron equipped systems. Warranty period begins from the date of shipment by Seller. Consult website for full warranty terms and conditions.

CHANGE LOG
1. 04/06/2022: REMOVED REMOTE REMODEL ACCESSORY KIT DLA2-RMT-AK.
2. 10/17/2022: REMOVED 90WA12H 3200K-1800K WARM DIM AND ADDED 90WA12H 3000K-1800K WARM DIM.
3. 11/28/2022: REMODEL FIXTURES UPDATED WITH METAL CLASP CONNECTORS.
4. 04/26/2023: ADDED DECLARE LBC RED LIST APPROVED.
5. 08/08/2023: UPDATED WITH NEW LED AND OPTIC SYSTEM.
6. 01/11/2024: ADDED ATHENA AND CASAMBI CONTROL OFFERING. ADDED 2400K OFFERING. ADDED LOW WATTAGE PACKAGES FOR LOW FLUX STATIC WHITE AND WARM DIM.
7. 02/07/2024: ADDED TUNABLE WHITE OFFERING.
8. 3/15/2024: ADDED 10 DEGREE FIELD REDUCER, UPDATED 10 DEGREE PERFORMANCE DATA
9. 05/13/2024: UPDATED LH1 WATTAGE MINIMUM
10. 07/15/2024: REMOVED L23 DRIVER OFFERING
11. 02/14/2025: UPDATED FINISH OFFERINGS
12. 05/01/2025: UPDATED WARM DIM OFFERINGS AND PERFORMANCE

LUCIFER LIGHTING COMPANY

luciferlighting.com

©2025 Lucifer Lighting Company
As part of its policy of continuous research and product development, the company reserves the right to change or withdraw specifications without prior notice.

[PH] +1-210-227-7329
[FAX] +1-210-227-4967

pg. 7

[DATE OF REV: 05062025]

2 SERIES LED ADJUSTABLE

DIMMING COMPATIBILITY

PHILIPS DRIVER COMPATIBILITY

Power supply **TR2** Manufacturer	Family/Model #
Lutron Electronics	DV-600P
Lutron Electronics	DVELV-303P
Lutron Electronics	NTELV-600
Lutron Electronics	MAELV-600
Lutron Electronics	SELV-300P
Lutron Electronics	DVLV-600P
Lutron Electronics	NFTU-5A
Lutron Electronics	CTCL-153P
Lutron Electronics	GL-600H
Lutron Electronics	S-600P
Lutron Electronics	PHPM

Power supply **AN4** Manufacturer	Family/Model #
Lutron Electronics	DVTV plus PP-DV
Lutron Electronics	DVSCTV plus PP-DV
Lutron Electronics	DVSTV
Lutron Electronics	DVSCSTV
Lutron Electronics	QSGRJ-XP plus GRX-TVI
Lutron Electronics	QSGRJ-XE plus GRX-TVI
Lutron Electronics	QSGR-XE plus GRX-TVI
Lutron Electronics	NFTV plus PP-DV
Lutron Electronics	NTSTV
Lutron Electronics	RMJ-5T
Lutron Electronics	RMJS-8T
Lutron Electronics	FCJS-010
Leviton	IllumaTch IP7 series
Philips	Sunrise - SR1200ZTUNV

LUTRON DRIVER COMPATIBILITY

Power supply **LH1 / LP1** Lutron Product Family	Part No.
PowPak Dimming Modules	RMJ-ECO32-DV-B
PowPak Dimming Modules	FCJ/FCJS-ECO
Energi Savr Nodes	QSN-1ECO-S
GRAFIK Eye QS control unit Homeworks QS control unit	QSN-2ECO-S
GRAFIK Eye QS control unit Homeworks QS control unit	QSGRJ-_E (wireless) QSGR-_E
Quantum Hub	QP2-_ _ 2C
Quantum Hub	QP2-_ _ 4C
Quantum Hub	QP2-_ _ 6C
Quantum Hub	QP2-_ _ 8C
Homeworks QS power module myRoom Plus power module	LQSE-2ECO-D

LUTRON 2016 OEM ADVANTAGE ACCOUNT

eldoLED DRIVER COMPATIBILITY

Power supply **EA2/LA2** Manufacturer	Family/Model #
Busch-Jaeger	2112U-101
Jung	240-10
Leviton Lighting Controls	IP710-DLX
Lightolier Controls	ZP600FAM120
Merten	5729
Pass & Seymour	CD4FB-W
The Watt Stopper	DCLV1
Synergy	ISD BC
Crestron®	GLX-DIMFLV8
Crestron®	GLXP-DIMFLV8
Crestron®	GLPAC-DIMFLV4-*
Crestron®	GLPAC-DIMFLV8-*
Crestron®	GLPP-DIMFLVEX-PM
Crestron®	GLPP-1DIMFLV2EX-PM
Crestron®	GLPP-1DIMFLV3EX-PM
Crestron®	DIN-AO8
Crestron®	DIN-4DIMFLV4
Crestron®	CLS-EXP-DIMFLV
Crestron®	CLCI-1DIMFLV2EX

Power supply **EA2/LA2** Manufacturer	Family/Model #
Lutron Electronics	Nova T® - NTFTV
Lutron Electronics	Diva® - DVTV
Lutron Electronics	Nova® - NFTV
Lutron Electronics	GrafixEye® GRX-TVI w GRX3503
Lutron Electronics	Energy Savr Node™ - QSN-4T16-S
Lutron Electronics	TVM2 Module
Sensor Switch	nIO EZ
ABB	SD/S 2.16.1

ANALOG DRIVERS AND DIMMERS

DIMMER	DRIVER	OUTPUT
LIN*	→ LIN*	→ *STATIC WHITE ONLY ✓
LOG	↔ VICE VERSA LIN	→ ✓
LOG	→ LOG	→ ✗
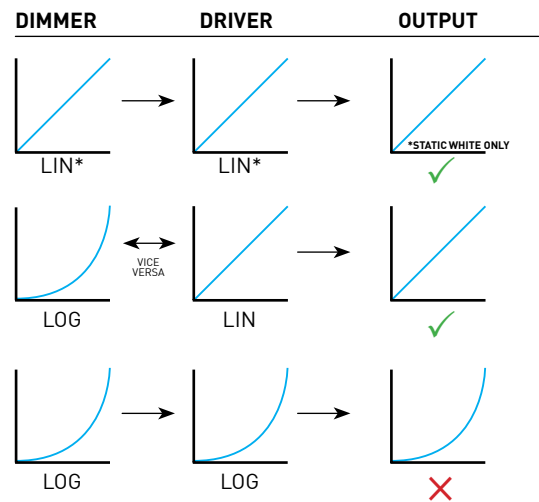
LIN = LINEAR
LOG = LOGARITHMIC
*LIN-TO-LIN NOT COMPATIBLE FOR WARM-DIM

luciferlighting.com

©2025 Lucifer Lighting Company
As part of its policy of continuous research and product development, the company reserves the right to change or withdraw specifications without prior notice.

[PH] +1-210-227-7329
[FAX] +1-210-227-4967

pg. 8

[DATE OF REV: 05062025]