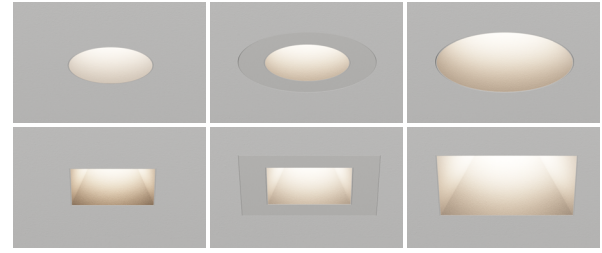


# 1 SERIES FIXED REMODEL

PROJECT NAME:	TYPE:
---------------	-------

- Max output of 971lm at 80+ CRI
- Available with trimless and zero sightline baffles, featuring 1" and 1.6" apertures
- Features warm dim LED range, from 3000K to 1800K
- Expanded baffles feature UGR value of <7
- Shipping October 2024, Patent pending



## ORDERING INFORMATION - FIXTURE

TRIM	RATING	TYPE	BAFFLE & MOUNTING	EXTERIOR FINISH	INTERIOR FINISH	CRI	WATTAGE	CCT	OPTIC (UGR)	MEDIA	INSTALL TYPE	CEILING THICKNESS	DRIVER
		<b>F</b>										<b>1</b>	
IRP 1" Round ISP 1" Square IRE 1.6" Round Expanded ISE 1.6" Square Expanded	1 IP20 Dry/Damp 2 IP64 Wet	Fixed	T Trimless  G Zero Sightline Gypsum* *(1RP/ISP only)	<b>TRIMLESS</b> TG Trimless Gypsum* *(Required for trimless gypsum)  <b>ZERO SIGHTLINE</b> <b>POWDERCOAT</b> WH White AG Satin Silver AU Cashmere Gold AB Architectural Bronze BB Burnt Bronze BK Black SB Specular Black PR Primer CF Custom Finish* *(Consult Factory) <b>PLATED</b> CH Chrome IG Industrial Gray MB Matte Bronze PB Polished Bronze SS Stainless Steel <b>ALUMINA</b> 01 Brushed Obsidian* 02 Matte Obsidian 03 Brushed Dark Patinated Bronze* 04 Matte Dark Patinated Bronze <b>ALUMINA</b> 05 Brushed Aged Aluminum* 06 Matte Aged Aluminum 07 Brushed Cast Brass 08 Matte Cast Brass 09 Brushed Light Patinated Bronze 10 Matte Light Patinated Bronze	<b>POWDERCOAT</b> WH White AG Satin Silver AU Cashmere Gold AB Architectural Bronze BB Burnt Bronze BK Black SB Specular Black PR Primer CF Custom Finish* *(Consult Factory) <b>ALUMINA</b> *Brushed finishes only available for round baffles 01 Brushed Obsidian* 02 Matte Obsidian 03 Brushed Dark Patinated Bronze* 04 Matte Dark Patinated Bronze <b>ALUMINA</b> 05 Brushed Aged Aluminum* 06 Matte Aged Aluminum 07 Brushed Cast Brass* 08 Matte Cast Brass 09 Brushed Light Patinated Bronze* 10 Matte Light Patinated Bronze  <b>FINISH IMAGES ON PAGE 2</b>	<b>STATIC WHITE</b> 80S 80+ CRI 90S 90+ CRI 95S 95+ CRI  <b>WARM DIM</b> 90W 90+ CRI	06C 6W, 428 lm 11C 11W, 672 lm 15C 15W, 839 lm  15D 15W, 613m	24 2400K* *(90 CRI only) 27 2700K 30 3000K 35 3500K 40 4000K  WD 3000K-1800K	20 20° (<13) 30 30° (<13) 40 40° (<10)	NL No Lens 01 Clear Film* *(Required for wet location)	REMODEL RR Remote Remodel	1 0.50" -1.50"	<b>REMOTE</b> PH1 Forward / Reverse Phase, 2%, 120V SG1 eldoLED, ECOdrive 1%, 0-10V, LOG, 120V-277V SN1 eldoLED, ECOdrive 1%, 0-10V, LIN, 120V-277V EG1 eldoLED, SOLOdrive 0.1% 0-10V, LOG, 120V-277V EN1 eldoLED, SOLOdrive 0.1% 0-10V, LIN, 120V-277V ED1 eldoLED, SOLOdrive 0.1% DALI-2, LOG, 120V-277V LP1 Lutron, Hi-Lume Premier Ecosystem 0.1% Fade to Black, 120V or 277V  AS1 / ASR Athena Control eldoLED, SOLOdrive 0.1%, 120V-277V* *(Includes Athena Node. Extended lead time, consult factory. ASR includes shunt)  CS1 / CSR Casambi Control eldoLED, SOLOdrive 0.1%, 120V-277V* *(Includes Casambi Node. Extended lead time, consult factory. CSR includes shunt)

### PART NUMBER NOTES

- Fixture ships as e.g., 1RE2FTTG AU90S15C3540NLRR1SG1
- Housing, driver, trim, and applique ship as one unit



# 1 SERIES FIXED REMODEL

## ACCESSORIES

### REPLACEMENT OPTICS

Interchangeable optics accessible through fixture aperture.

- RO-17-20** 20° optic
- RO-17-30** 30° optic
- RO-17-40** 40° optic

### REPLACEMENT BAFFLE ASSEMBLY (INCLUDES MEDIA)

ASSEMBLY	SHAPE	RATING	TYPE	BAFFLE	EXTERIOR FINISH	INTERIOR FINISH	MEDIA
<b>RBA</b>			<b>F</b>				
<b>REPLACEMENT BAFFLE ASSEMBLY</b>	1RP Round 1SP Square 1RE Round 1SE Expanded	1 IP20 Dry/Damp 2 IP64 Wet* * (Suction cup provided for aim and focus)	<b>F</b> Fixed	<b>T</b> Trimless* (Required for 1RE/1SE) <b>G</b> Zero Sightline* (1RP/1SP Only)	<b>TG</b> Trimless Gypsum <b>WH</b> White <b>AG</b> Satin Silver <b>AU</b> Cashmere Gold <b>AB</b> Arch. Bronze <b>BB</b> Burnt Bronze <b>BK</b> Black <b>PR</b> Primer <b>CF</b> Custom Finish* (Consult Factory) *See page 1 for plated and Alumina finish options	<b>WH</b> White <b>AG</b> Satin Silver <b>AU</b> Cashmere Gold <b>BB</b> Burnt Bronze <b>BK</b> Black <b>PR</b> Primer <b>CF</b> Custom Finish* (Consult Factory) *See page 1 for Alumina finish options	<b>NL</b> No Lens <b>01</b> Clear Glass Lens

### REPLACEMENT INSTALLATION TOOLS

One included with every six fixtures designated Wet location.

- 01S-TOOL-BAFFLE-REMOVAL** Allows for removal of baffle with Wet location
- 01S-TOOL-ENGINE-INST-REMOVAL** Allows for installation of LED module
- 01S-TOOL-ENGINE-BAFFLE-COMBO** Includes both baffle removal tool and LED module installation tool.

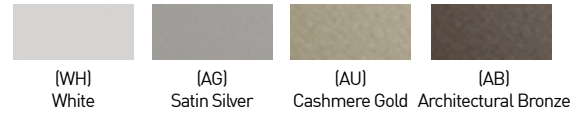
### EMERGENCY LIGHTING - REMOTE MOUNT ONLY

During disruption of main power, emergency battery inverter provides temporary 120V or 277V to fixture.

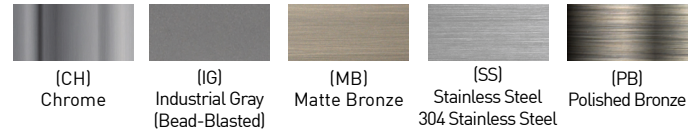
- EMB-S-25-120/277-LEDX** 25 watt max capacity, 120 or 277 VAC 60Hz, Non-Dimmable
- EMB-S-100-120-LEDX** 100 watt max capacity, 120 VAC 60Hz, 0-10V Dimmable
- EMB-S-100-277-LEDX** 100 watt max capacity, 277 VAC 60Hz, 0-10V Dimmable
- EMB-S-250-120/277-LEDX** 250 watt max capacity, 120 or 277 VAC 60Hz,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

**\*SHUNT REQUIRED FOR USE WITH ATHENA AND CASAMBI CONTROLS, CONSULT FACTORY FOR DETAILS.**

## POWDERCOAT FINISHES



## PLATED FINISHES



## ALUMINA FINISHES BY LUCIFER LIGHTING™



# 1 SERIES FIXED REMODEL

## 1RP PERFORMANCE - 3000K - NO LENS

LUMEN PACKAGE	WATTS	20° OPTIC		30° OPTIC		40° OPTIC	
		DLVD	LPW	DLVD	LPW	DLVD	LPW
80S06C	6	243	40	381	63	476	79
80S11C	11	371	33	583	52	728	66
80S15C	15	495	33	776	51	971	64
90S06C	6	210	34	329	54	411	68
90S11C	11	321	29	504	45	629	57
90S15C	15	428	28	672	45	839	55
95S06C	6	151	25	236	39	295	49
95S11C	11	230	20	362	32	452	41
95S15C	15	307	20	483	32	602	40
90W15D	15	327	21	441	29	613	40

### UNIFIED GLARE RATING

20° OPTIC	30° OPTIC	40° OPTIC
<13	<13	<10

### OUTPUT MULTIPLIER

CCT	CCT SCALE
2400K	0.89
2700K	0.98
3000K	1.00
3500K	1.09
4000K	1.14

### MEDIA LIGHT LOSS MULTIPLIER

MEDIA	LIGHT LOSS FACTOR
NO LENS	1.00
LENS	0.93

## 1RE PERFORMANCE - 3000K - NO LENS

LUMEN PACKAGE	WATTS	20° OPTIC		30° OPTIC		40° OPTIC	
		DLVD	LPW	DLVD	LPW	DLVD	LPW
80S06C	6	249	41	389	64	476	79
80S11C	11	382	34	596	54	728	66
80S15C	15	509	33	795	52	971	64
90S06C	6	216	35	337	56	411	68
90S11C	11	330	30	515	46	629	57
90S15C	15	440	29	687	45	839	55
95S06C	6	155	25	242	40	295	49
95S11C	11	237	21	370	33	452	41
95S15C	15	346	21	493	32	602	40
90W15D	15	321	21	465	31	537	35

### UNIFIED GLARE RATING

20° OPTIC	30° OPTIC	40° OPTIC
<7	<7	<7

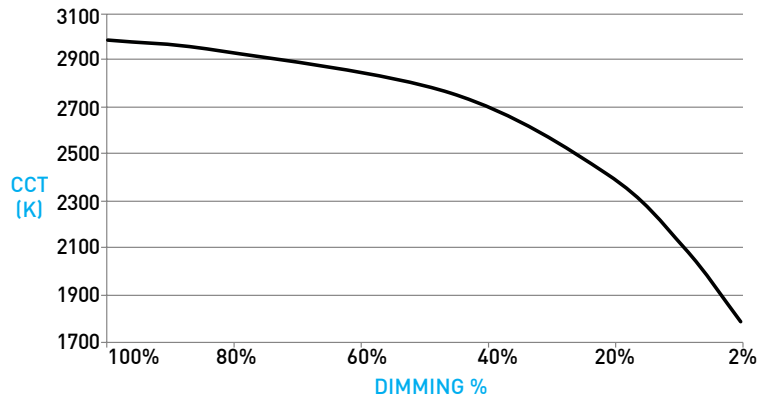
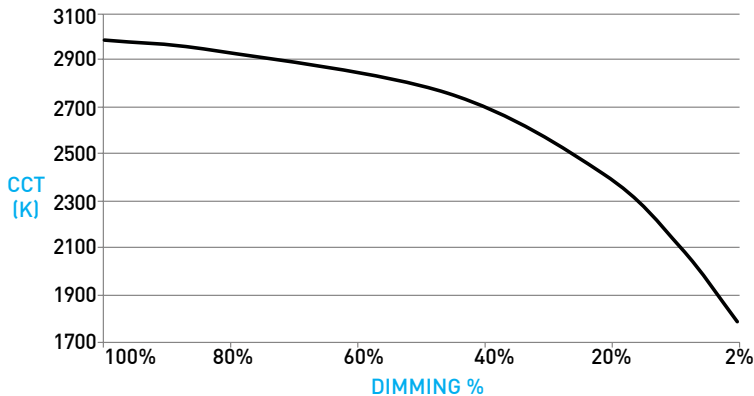
## WARM DIM PERFORMANCE - NO LENS - 40° OPTIC

### 1RP HALOGEN DIMMING PROFILE

90W15CWD 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)	3000	2950	2920	2775	2375	2000	1800
Light Output (Lm)	613	490	429	307	123	62	12
Power (W)	15	12	11	8	3	1.5	0.3
Efficacy (LPW)	40	40	40	40	40	40	40

### 1RE HALOGEN DIMMING PROFILE

90W15CWD 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)	3000	2950	2920	2775	2375	2000	1800
Light Output (Lm)	537	430	376	269	107	54	11
Power (W)	15	12	11	8	3	1.5	0.3
Efficacy (LPW)	35	35	35	35	35	35	35



# 1 SERIES FIXED REMODEL

## DOWNLIGHT / HOUSING

### A HIGH/LOW WATTAGE REMODEL HOUSING

- For RR installation types.
- IC-rated heatsink, does not have any setback requirements from combustible and non-combustible materials.
- High wattage housing features 2.00" tall heat sink and is available for 15W packages.
- Low wattage housing features 1.25" tall heat sink and is available for 6W and 11W packages only

### B LIGHT ENGINE

Robust light engine with optimized optic pairing integrates Reflection, Refraction, and TIR offering 20°, 30°, and 40° beams.

### C REMODEL MOUNTING PLATE

Installs above ceiling, requiring  $\varnothing 6.625"$  cutout. Rectangular design (6.15" x 8.00") allows for installation above ceiling after cutout. Mounting holes align with applique, ensuring secure fixture mounting via factory supplied screws.

### D ZERO-SIGHTLINE / TRIMLESS DRYWALL PROFILE

Installs totally flush with the ceiling with no visible trim. Appliqué includes screws for mounting and has 0.06" plaster stop. Not recommended for stucco applications.

### E 1" ZERO-SIGHTLINE / TRIMLESS BAFFLE

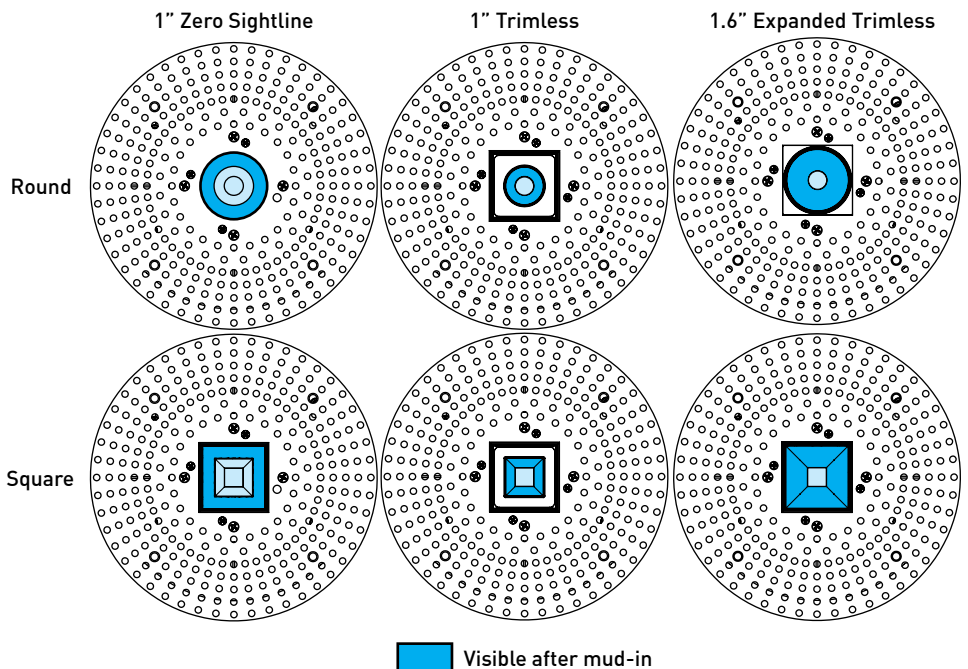
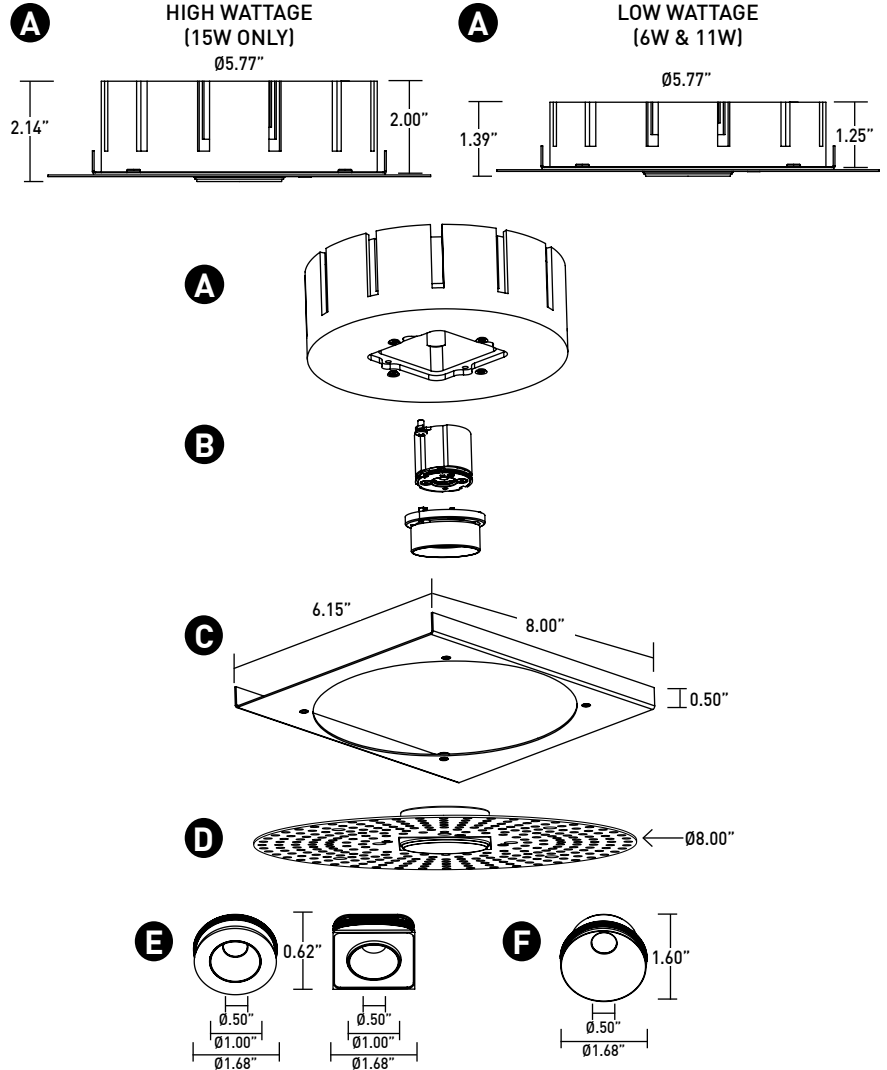
CNC-Milled removable baffle provides 45° glare cutoff. Minimizes aperture glare and conceals view into housing; includes gasket. Exterior faceplate available in powdercoat, plated, and alumina finishes; interior finish available in powdercoat and alumina finishes. Available in zero-sightline and trimless profiles.

**Trimless baffle requires 1.7" square ceiling break for LED/driver servicing.**

### F 1.6" EXPANDED BAFFLE

CNC-Milled removable baffle provides 46° glare cutoff. Minimizes aperture glare and conceals view into housing; includes gasket. No exterior finish, interior finish available in powdercoat and alumina finishes. Available in trimless profile only.

## DIMENSIONS / DRAWINGS



## REMODEL NOTES

- Do not install Remodel fixtures in environments where ambient temperatures exceed 40°C (104°F).
- Power supply compartment and all splice connections may be serviced from room side.
- Remodel fixtures accommodate ceiling thicknesses between 0.50" and 1.50".

# 1 SERIES FIXED REMODEL

## DOWNLIGHT / HOUSING

- G APPLIQUÉ DETAIL**  
Appliqué for plaster floating directly to baffle.
- H REMOTE REMODEL APPLICATIONS**
  - Remote power supply included with "RR" Install Type
  - Requires plenum rated Class 2 cable between fixture and remote driver. Cable supplied by others.
  - See page 6 for maximum allowable wiring distances.

- I ATHENA / CASAMBI CONTROL**  
Controls integrated Remote driver assembly. All equipment is serviceable.

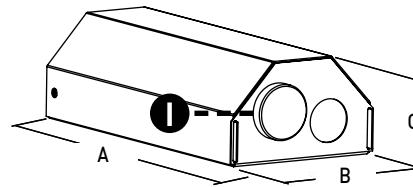
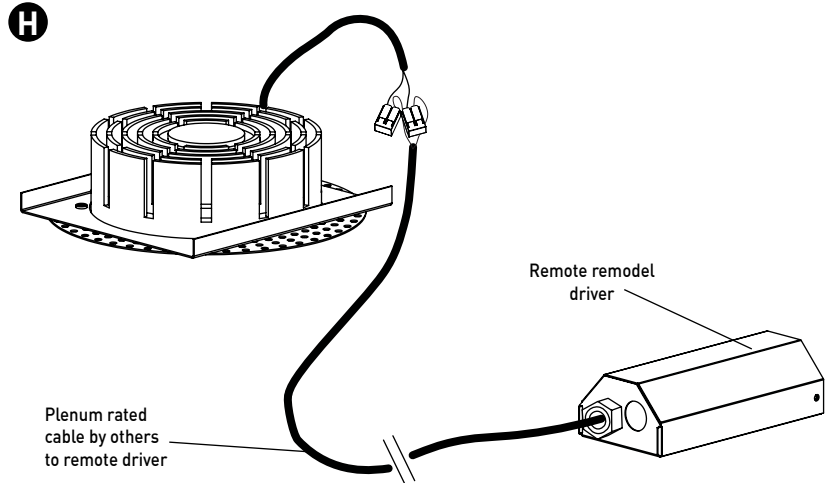
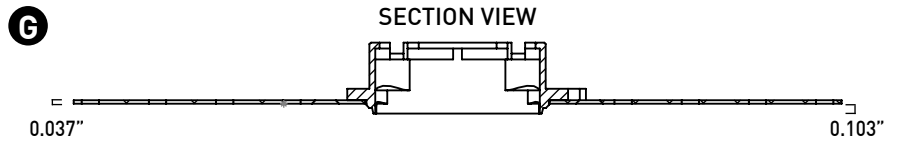
Athena Model Numbers: A-WN-D01-RF-BL & DFC-OEM-DBI

Casambi Model Number: BT-S1E1-5400

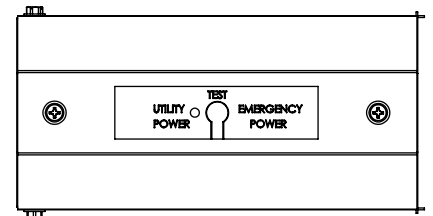
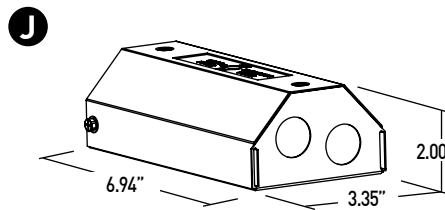
- J ATHENA / CASAMBI EM SHUNT**  
Included with drivers specified as ASR, ADR, CSR, or CDR. One required for each wireless EM fixture, requires class 2 control wiring between fixture and shunt. Features integrated test switch.

Model Number: PS-RMT-SHUNT

## DIMENSIONS / DRAWINGS



	A	B	C
PHASE / 0-10V / DALI / ECOSYSTEM	6.94"	3.35"	2.00"
ATHENA / CASAMBI	8.10"	5.00"	2.00"



# 1 SERIES FIXED REMODEL

## TECHNICAL

### CONSTRUCTION

**Downlight:** Painted finishes are granulated powder coat; Alumina finishes are anodized aluminum. Plated finishes are plated.

**Housing:** Aluminum and 22 Gauge galvanized steel. Forged aluminum heat-sink.

**Remote Power Supply:** 22 Gauge galvanized steel.

**Appliqué:** Zinc alloy.

### STATIC WHITE LED

2-step MacAdam ellipse LED module available in 80+, 90+, and 95+ CRI configurations in color temperatures of 2700K, 3000K, 3500K and 4000K. 3-step MacAdam ellipse LED module available in 90+ CRI 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 at full brightness, warming to 1800K at full dim. Average rated lamp life of 50,000 hours. LED and driver assemblies are field-replaceable.

### POWER SUPPLY PERFORMANCE AND DIMMING INFORMATION

	PHASE	0-10V				ECO	DALI-2	ATHENA		CASAMBI	
Power Supply	PH1	SG1	SN1	EG1	EN1	LP1	ED1	AS1	AD1	CS1	CD1
Minimum °C	-20 °C	-20 °C	-20 °C	-20 °C	-20 °C	0 °C	-20 °C	0 °C	0 °C	-20 °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
Dimming %	2.0%	1.0%	1.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Flicker	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX

Note: For LP1, EG1 and EN1 drivers consult chart on page 7 to confirm appropriate dimming curve for compatibility with selected control.

### MAXIMUM ALLOWABLE REMOTE DRIVER WIRING DISTANCES

DRIVER	WIRE AWG				
	12	14	16	18	20
PH1	285'	180'	113'	71'	45'
LP1	60'	40'	25'	15'	-
EG1, EN1, ED1, SG1, SN1, AS1, CS1, AD1, CD1	-	-	118'	72'	46'

### LISTING

Pending listing to UL1598 standard for IP20 Dry / Damp and IP64 Wet locations. NEMA 410 Compliant.

### DECLARE

LBC Red List Approved.

### BUY AMERICAN ACT

Buy American Act compliant.

### WEIGHT

1.25" Remodel Housing - 3 lbs

2.00" Remodel Housing - 4 lbs

Remote Driver - 1.4 lbs

### 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.



# 1 SERIES FIXED REMODEL

## DIMMING COMPATIBILITY

### LUTRON DRIVER COMPATIBILITY

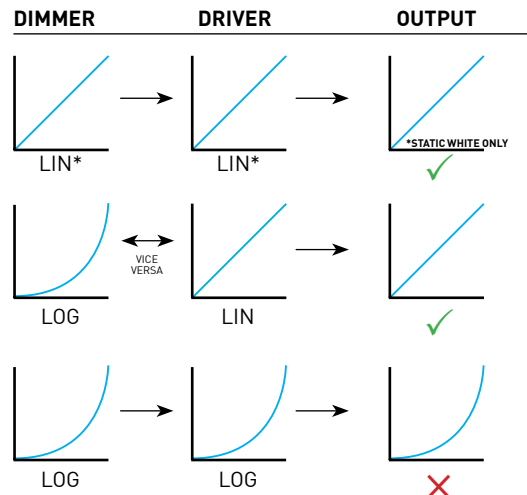
Power supply LP Lutron Product Family	Part No.
PowPak Dimming Modules	RMJ-EC032-DV-B
PowPak Dimming Modules	FCJ/FCJS-ECO
Energi Savr Nodes	QSN-1ECO-S
GRAFIK Eye QS control unit Homeworks QS control unit	QSN-2ECO-S
GRAFIK Eye QS control unit Homeworks QS control unit	QSGRJ- _E (wireless) QSGR- _E
Quantum 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



### eldoLED DRIVER COMPATIBILITY

Power supply EG/SG 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-A08
Crestron®	DIN-4DIMFLV4
Crestron®	CLS-EXP-DIMFLV
Crestron®	CLCI-1DIMFLV2EX
Power supply EN/SN Manufacturer	Family/Model #
Lutron Electronics	Nova T® - NTFTV
Lutron Electronics	Diva® - DDTV
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



LIN = LINEAR  
LOG = LOGARITHMIC  
\*LIN-TO-LIN NOT COMPATIBLE FOR WARM-DIM