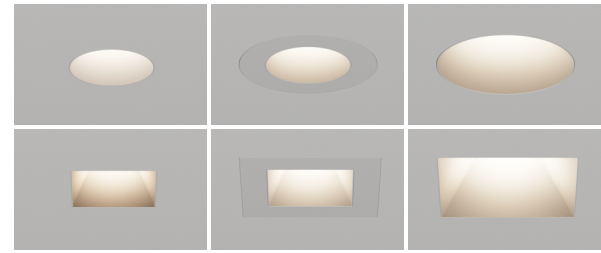


# 1 SERIES INT FIXED

PROJECT NAME:	TYPE:
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- Max output of 971lm at 80+ CRI
- Available with trimless and zero sightline baffles, featuring 1" and 1.6" apertures
- Expanded baffles feature UGR value of <7



## 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>	
1RP 1" (25mm) Round	1 IP20 Dry/Damp	F Fixed	T Trimless	<b>TRIMLESS</b>	<b>POWDERCOAT</b>	<b>STATIC WHITE</b> 80S 80+ CRI 90S 90+ CRI 95S 95+ CRI	1RP/1SP	24 2400K*	20 20° (<13)	<b>NL</b> No Lens 01 Clear Film* *(Required for wet location)	<b>EXPORT (REMOTE DRIVER)</b>	1 13mm - 38mm	IG1 eldoLED, SOLDrive 0.1% 0-10V, LOG, 120V-277V IN1 eldoLED, SOLDrive 0.1% 0-10V, LIN, 120V-277V ID1 eldoLED, SOLDrive 0.1% DALI-2, LOG, 120V-277V
1SP 1" (25mm) Square	2 IP64 Wet			TG Trimless Gypsum* *(Required for trimless gypsum)	WH White		06C 6W, 415 lm	27 2700K	30 30° (<13)				
1RE 1.6" (41mm) Round Expanded					AU Cashmere Gold		11C 11W, 632 lm	30 3000K	40 40° (<10)				
1SE 1.6" (41mm) Square Expanded					AB Architectural Bronze		15C 15W, 839 lm	35 3500K					
					BB Burnt Bronze		1RE/1SE	40 4000K					
					BK Black		06C 6W, 436 lm						
					SB Specular Black		11C 11W, 664 lm						
					PR Primer		15C 15W, 839 lm						
					CF Custom Finish*								
					* (Consult Factory)								
			G Zero Sightline Gypsum* *(1RP/1SP only)	<b>ZERO SIGHTLINE</b>	<b>POWDERCOAT</b>						<b>EX</b> Export Remote		
				WH White	<b>POWDERCOAT</b>						<b>EN</b> Export NOM		
				AG Satin Silver	WH White						<b>EB</b> Export BIS		
				AU Cashmere Gold	AG Satin Silver						<b>HOUSING (TETHERED DRIVER)</b>		
				AB Architectural Bronze	AU Cashmere Gold						<b>HX</b> Housing Export		
				BB Burnt Bronze	AB Architectural Bronze						<b>HN</b> Export NOM		
				BK Black	BB Burnt Bronze						<b>HB</b> Housing BIS		
				SB Specular Black	BK Black								
				PR Primer	SB Specular Black								
				CF Custom Finish*	PR Primer								
				* (Consult Factory)	CF Custom Finish*								
				<b>ALUMINA</b>	* (Consult Factory)								
				01 Brushed Obsidian	ALUMINA								
				02 Matte Obsidian	01 Brushed Obsidian								
				03 Brushed Dark Patinated Bronze*	02 Matte Obsidian								
				04 Matte Dark Patinated Bronze	03 Brushed Dark Patinated Bronze*								
				05 Brushed Aged Aluminum*	04 Matte Dark Patinated Bronze								
				06 Matte Aged Aluminum	05 Brushed Aged Aluminum*								
				07 Brushed Cast Brass*	06 Matte Aged Aluminum								
				08 Matte Cast Brass	07 Brushed Cast Brass*								
				09 Brushed Light Patinated Bronze	08 Matte Cast Brass								
				10 Matte Light Patinated Bronze	09 Brushed Light Patinated Bronze								
					10 Matte Light Patinated Bronze								
					<b>FINISH IMAGES ON PAGE 2</b>								

## PART NUMBER NOTES

- Fixture ships as e.g., 1RE2FTTGAU90S15C3540NLEX1IG1
- Housing, driver, trim, and applique ship as one unit

# 1 SERIES INT FIXED

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

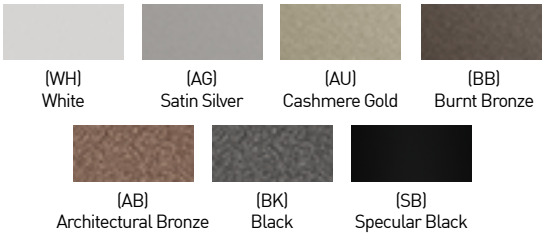
### EMERGENCY LIGHTING - REMOTE MOUNT ONLY

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



## ALUMINA FINISHES BY LUCIFER LIGHTING™



# 1 SERIES INT FIXED

## 1RP PERFORMANCE - 3000K - NO LENS

LUMEN PACKAGE	WATTS	20° OPTIC		30° OPTIC		40° OPTIC	
		DLVD	LPW	DLVD	LPW	DLVD	LPW
80S06C	6	223	37	384	64	480	80
80S11C	11	340	31	585	53	731	66
80S15C	15	451	30	777	52	971	65
90S06C	6	193	32	332	55	415	69
90S11C	11	294	27	506	46	632	57
90S15C	15	390	26	672	45	839	56
95S06C	6	139	23	239	40	298	50
95S11C	11	211	19	363	33	454	41
95S15C	15	280	19	483	32	603	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	222	37	393	65	504	84
80S11C	11	338	31	598	54	768	70
80S15C	15	449	30	795	53	970	65
90S06C	6	192	32	340	57	436	73
90S11C	11	292	27	517	47	664	60
90S15C	15	388	26	687	46	839	56
95S06C	6	138	23	244	41	313	52
95S11C	11	210	19	372	34	477	43
95S15C	15	279	19	494	33	611	41

UNIFIED GLARE RATING		
20° OPTIC	30° OPTIC	40° OPTIC
<7	<7	<7

FINISH MULTIPLIER	
CCT	CCT SCALE
WHITE	1.00
BLACK	0.98
SPECULAR BLACK	0.98

# 1 SERIES INT FIXED

## DOWNLIGHT / HOUSING

### A HIGH/LOW WATTAGE REMODEL FITTING

- For "ER" remote installation types.
- IC-rated heatsink, does not have any setback requirements from combustible and non-combustible materials.
- High wattage fitting features 54mm tall heat sink and is available for 15W packages.
- Low wattage fitting features 35mm 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 147mm cutout. Rectangular design (156mm x 178mm) 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. Applique includes screws for mounting and has 0.06" plaster stop. Not recommended for stucco applications. See page 5 for applique section view and visible baffle profiles after mud-in.

### 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. **43mm square ceiling break required for LED/driver servicing.**

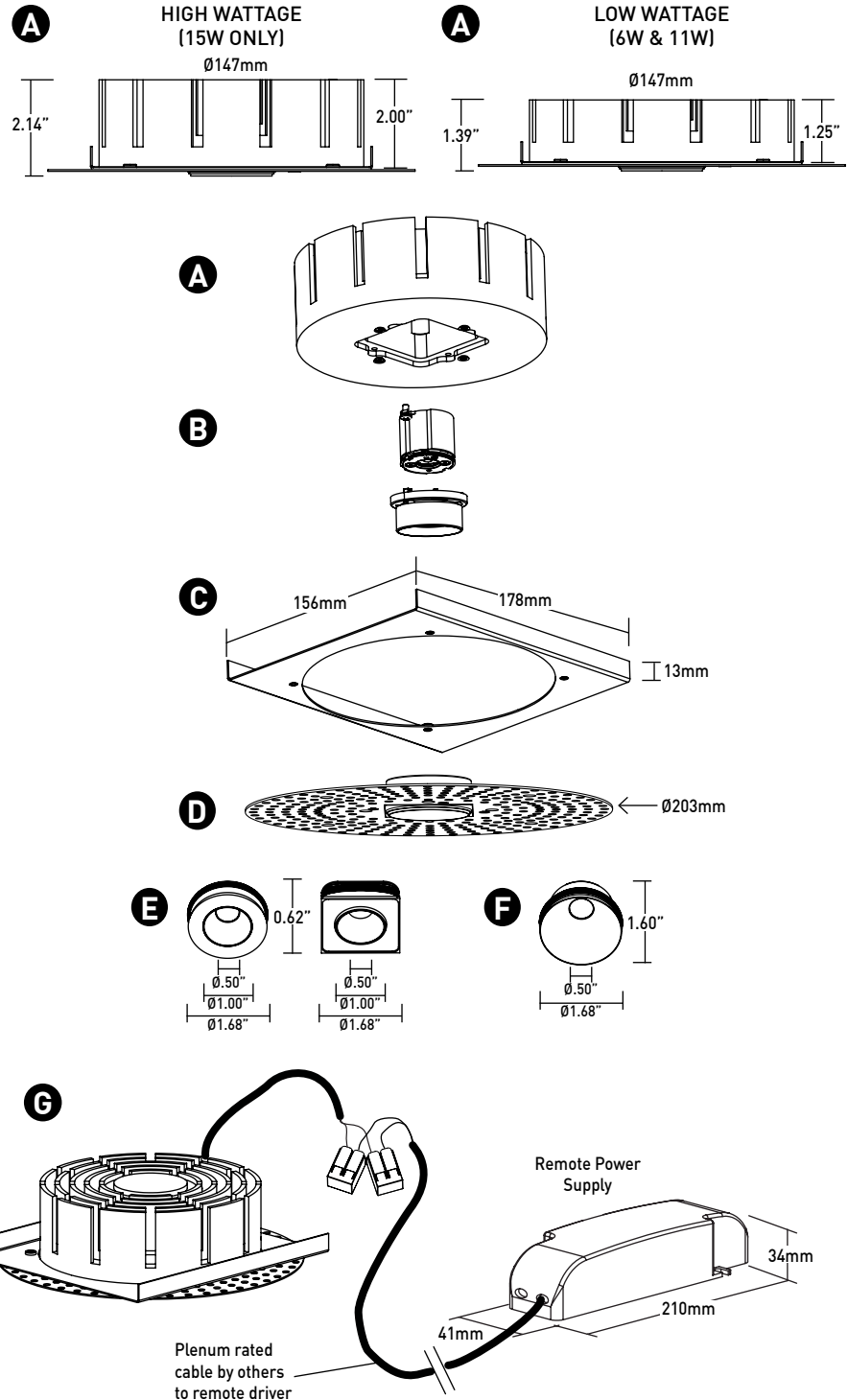
### F 1.6" EXPANDED BAFFLE

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.

### G FITTING WITH REMOTE POWER SUPPLY

- Requires 168mm cutout.
- Protected wiring and connecting hardware between fitting and power supply.
- Do not install in environments where ambient temperatures exceed 40°C (104°F).
- Fixtures accommodate ceiling thicknesses between 13mm and 38mm

## DIMENSIONS / DRAWINGS



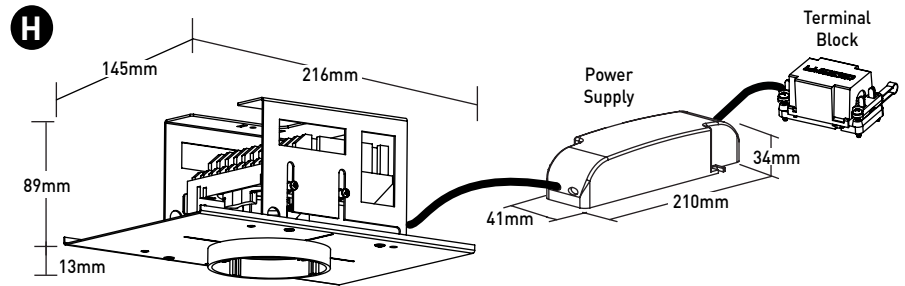
# 1 SERIES INT FIXED

## DOWNLIGHT / HOUSING

## DIMENSIONS / DRAWINGS

### H HOUSING-BASED FIXTURE WITH TETHERED DRIVER

- For "HX", "HB", and "HN" installation types.
- Power supply attached to LED and housing, allowing for roomside driver servicing.
- Factory supplied terminal block utilized for line voltage connections.
- Requires 121mm x 146mm rectangular cut-out.

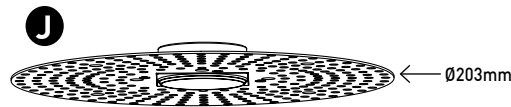
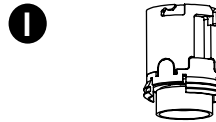


### I LIGHT ENGINE

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

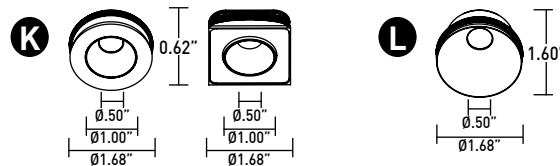
### J ZERO-SIGHTLINE / TRIMLESS DRYWALL PROFILE

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.



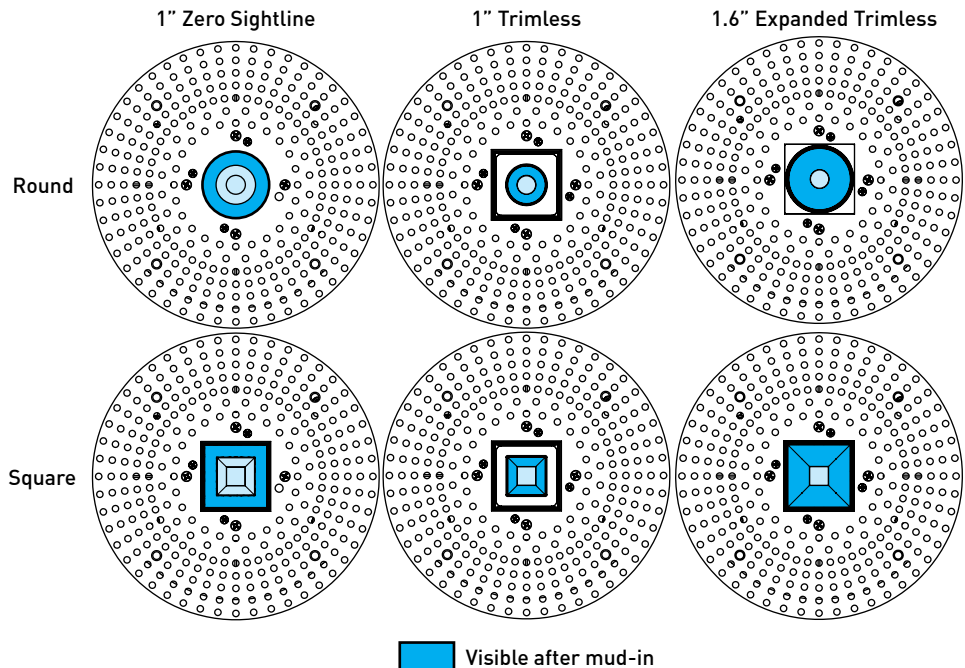
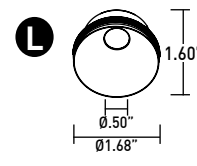
### K 1" ZERO-SIGHTLINE / TRIMLESS BAFFLE

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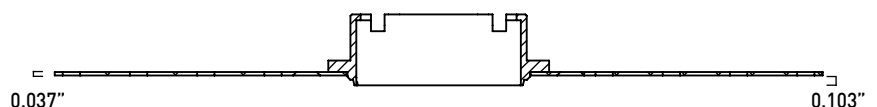


### L 1.6" EXPANDED BAFFLE

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.



### SECTION VIEW



# 1 SERIES INT FIXED

## TECHNICAL

### CONSTRUCTION

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

Housing: Forged aluminum heat-sink.

Appliqué: Aluminum base with 22 Gauge galvanized steel flange.

### 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.

### POWER SUPPLY PERFORMANCE AND DIMMING INFORMATION

	0-10V		DALI-2
Power Supply	IG1	IN1	ID1
Minimum °C	-20 °C	-20 °C	-20 °C
Maximum °C	40 °C	40 °C	40 °C
Dimming %	0.1%	0.1%	0.1%

Note: For IG1 and IN1 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
IG1, IN1, ID1	-	-	36m	22m	14m

### LISTING

CE Listed for IP20 Dry / Damp and IP64 Wet locations.

### WEIGHT

32mm Remodel Housing - 1.36kg

51mm Remodel Housing - 1.81kg

Remote Driver - .64kg

### 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.

eldoLED DRIVER COMPATIBILITY

Power supply IG1 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 IN1	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	nI0 EZ
ABB	SD/S 2.16.1

ANALOG DRIVERS AND DIMMERS

