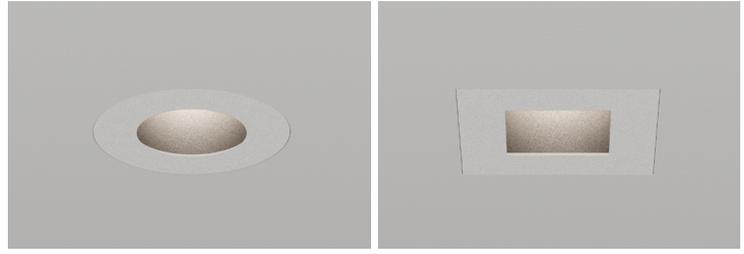


# ATOMOS™ 1 SLIM

## PINHOLE FIXED

A miniature downlight range offering impressive performance in an extremely small profile with a 1" aperture and 2" overall diameter. Available as zero-sightline for both drywall and millwork applications.

PROJECT NAME:	TYPE:
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### ORDERING INFORMATION - DOWNLIGHT / HOUSING

TRIM	TRIM TYPE	FIXTURE TYPE	RATING	TRIM FINISH	BAFFLE FINISH	LUMEN PACKAGE	CCT	OPTIC	INSTALL TYPE	DRIVER	EFFECTS DEVICE
		<b>SF</b>			<b>BK</b>						
A2RP 1" Round Pinhole	T Zero-Sightline Drywall*	SF Slim Fixed Housing	1 Dry / Damp (IP20)	WH White	BK Black	<b>STATIC WHITE</b>	27 2700K	15 15°	1/2" - 1" MAX CEILING THICKNESS  INTEGRAL DRIVER  X IC Y NIC C IC, Airtight* *(Chicago Plenum, Airtight & Title 24 compliant housing. Effects device sealed to baffle)	ALL INSTALL TYPES PH ELV / Triac, 1%, 120V SG 0-10V Analog, LOG 1%, 120 or 277V SN 0-10V Analog, LIN 1%, 120 or 277V EG eldoLED, SOLOdrive 0.1% 0-10V, LOG, 120 - 277V EN eldoLED, SOLOdrive 0.1% 0-10V, LIN, 120 - 277V ED eldoLED, SOLOdrive 0.1% DALI-2, LOG, 120 - 277V  <b>REMOTE ONLY</b> L2 Lutron, Hi-Lume 1% 2-Wire, 120V LH Lutron, Hi-Lume Ecosystem 1% Fade to Black, 120 or 277V	STANDARD 4 Soft Focus Film  <b>ALTERNATE</b> 0 No Media* *(Not available for Wet Location, Warm Dim, or Airtight Housings) 2 Honeycomb Louver* *(Not available for Wet Location, Warm Dim, or Airtight Housings) 3 Clear Film* *(Not available for Warm Dim)
A2SP 1" Square Pinhole	W Zero-Sightline Wood*  *(Not available for Square A2SP, or remodel installations)  CONSULT FACTORY FOR ROUND FLANGE OVERLAY	2 Wet (IP44)	AG Satin Silver BK Black		<b>WARM DIM</b>	WD 3000K - 1800K	15 15° 25 25° 35 35° 50 50°				
						*ALL DELIVERED LUMEN OUTPUTS REFLECT 3000K PAIRED WITH 15° OPTIC AND SOFT FOCUS FILM.					



### PART NUMBER NOTES

- Fixture ships as e.g., A2RPTSF1AGBK-9010D30-AZY-PH\*4
- Remote driver ships as e.g., PSA2-RMT-280A-PH\*

# ATOMOS1 SLIM PINHOLE FIXED

## ACCESSORIES

### ALTERNATE EFFECTS DEVICE

Attaches to optic.

- HCL-AP** Honeycomb Louver\*  
\*(Not available for Warm Dim unless paired with Soft Focus Film. Not available for wet location unless paired with film.)

### REPLACEMENT TRIM AND BAFFLE

Effects device sealed in place.

- RBA-A2RP-CGL-\*\*** Round Pinhole, Clear Film\*  
\*(Not available for Warm Dim.)
- RBA-A2SP-CGL-\*\*** Square Pinhole, Clear Film\*  
\*(Not available for Warm Dim.)
- RBA-A2RP-SFL-\*\*** Round Pinhole, Soft Focus Film
- RBA-A2SP-SFL-\*\*** Square Pinhole, Soft Focus Film

\*\* Trim finish: Specify WH for White, BK for Black, or AG for Satin Silver.

### REPLACEMENT OPTICS

Interchangeable optics accessible through fixture aperture.

- RO-A-15-1** 15° optic
- RO-A-25-1** 25° optic
- RO-A-35-1** 35° optic
- RO-A-50-1** 50° optic

### EMERGENCY LIGHTING - REMOTE MOUNT ONLY

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

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

### HANGER BAR EXTENDER KIT

Extends hanger bars from 24.0" to 46.0" maximum.

- FRX-HBE-46** Extender, Hanger Bar.

### T-GRID ACCESSORY KIT

Recommended for installations in T-Grid and furring channel up to 1.5" tall.

- DHA-TG-KIT**

# ATOMOS1 SLIM PINHOLE FIXED

## STATIC WHITE PERFORMANCE - 3000K

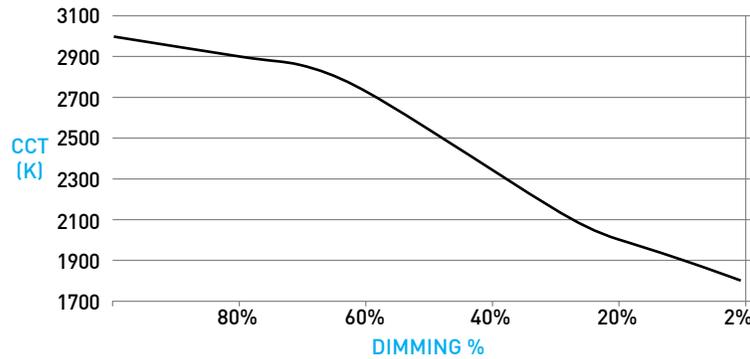
LUMEN PACKAGE	WATTAGE	15° OPTIC SOFT FOCUS FILM		25° OPTIC SOFT FOCUS FILM		35° OPTIC SOFT FOCUS FILM		50° OPTIC SOFT FOCUS FILM	
		DELIVERED	LPW	DELIVERED	LPW	DELIVERED	LPW	DELIVERED	LPW
8012D	12	632	51	578	47	497	40	641	52
8016D	15	764	50	699	46	601	39	775	51
9010D	12	535	44	490	40	421	34	543	44
9014D	15	649	42	594	39	511	33	659	43
9009D	12	480	40	454	38	395	33	508	43

OUTPUT MULTIPLIER	
CCT	CCT SCALE
2700K	0.95
3000K	1.00
3500K	1.05
4000K	1.06

LIGHT LOSS FACTOR	
NO MEDIA	1.11
SOFT FOCUS	1
CLEAR	0.99
HONEYCOMB	0.77

## WARM DIM PERFORMANCE - SOFT FOCUS FILM - 15° OPTIC

9009D 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	2900	2800	2400	2000	1800
Light Output (Lm)	480	384	336	240	96	48	9.3
Power (W)	12	9.6	8.4	6	2.4	1.2	0.2
Efficacy (LPW)	44	44	44	44	44	44	44

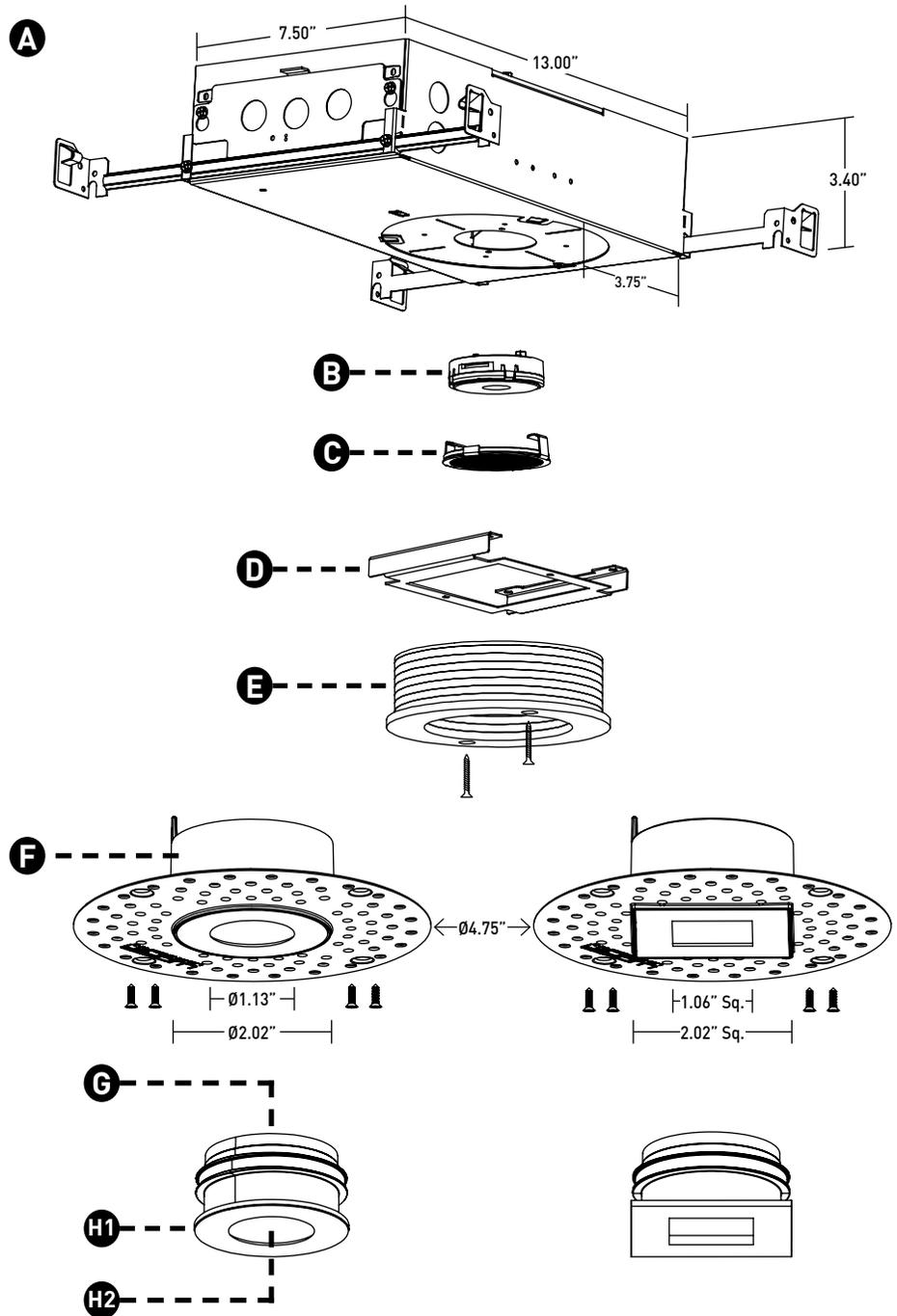


# ATOMOS1 SLIM PINHOLE FIXED

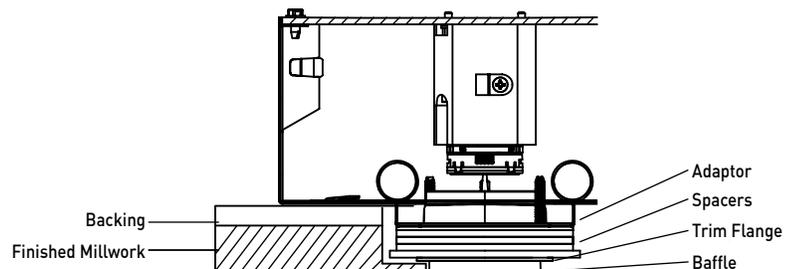
## DOWNLIGHT

- A LED**  
Integral LED module design enables field service / replacement through housing aperture.
- B STANDARD OPTICS**  
Proprietary optic integrates Reflection, Refraction and TIR offering 15°, 25°, 35°, and 50° beams. 25° optic used for optimal accent washing.
- C HONEYCOMB LOUVER**  
Clips onto optic.
- D TRIMLESS MILLWORK HOUSING ADAPTOR**  
Ships with housing when trimless millwork is specified and provides attachment point for spacers. Requires 3.50" x 3.50" cutout.
- E TRIMLESS MILLWORK SPACERS**  
Ship with housing when trimless millwork is specified; includes (1) 1/16" spacer and (8) 1/8" spacers.
- F ZERO-SIGHTLINE DRYWALL**  
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.
- G EFFECTS DEVICES**  
Soft focus media standard and sealed to baffle on Wet locations. Fixture is limited to 1 media and the honeycomb louver.
- H BAFFLE**  
Die-cast removable baffle features 35° glare cutoff. Minimizes aperture glare and conceals view into housing or ceiling; includes silicone gasket.  
Exterior finish **H1** is specified in "Trim Finish" section.  
Interior finish **H2** is specified in "Baffle Finish" section and is only available in black.
- I ZERO-SIGHTLINE MILLWORK**  
Only available for A2RP. Installs totally flush with the ceiling. Trim installed behind the ceiling prior to baffle installation. See additional information on page 4.

## DIMENSIONS / DRAWINGS



### I ZERO-SIGHTLINE MILLWORK DETAIL (EXAMPLE)



# ATOMOS1 SLIM PINHOLE FIXED

## HOUSING

- J HOUSING**
  - For IC or Non-IC ceilings.
  - Chicago Plenum, Airtight and Title 24 (JA8) listed.
  - Requires 2-5/16" cutout for flange overlay and trimless drywall applications.
  - Accommodates max 1300 delivered lumens.
  - No setback from polycell spray foam insulation having max R-Value of 60 on all sides and top.
- K ADJUSTABLE HANGER BAR HEIGHT ACCESSORY**  
Specified as DHA-TG-KIT and recommended for installations in T-Grid and with furring channel. Hanger bars are installed to adjustable bracket. Allows housing to be raised and lowered; ceiling thickness remains 0.50" to 1.00" max.

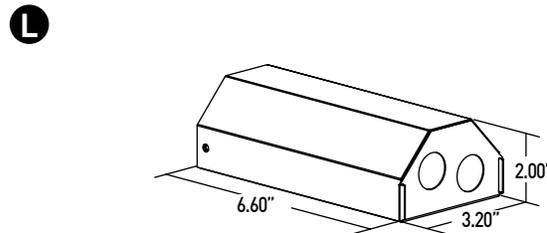
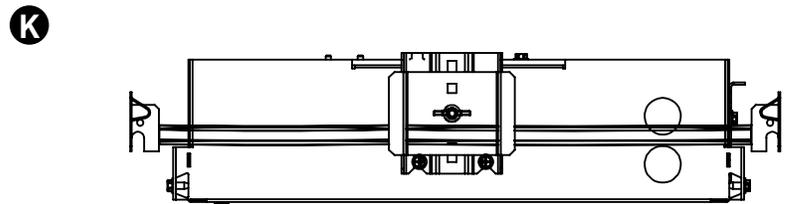
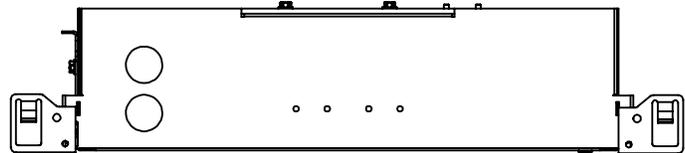
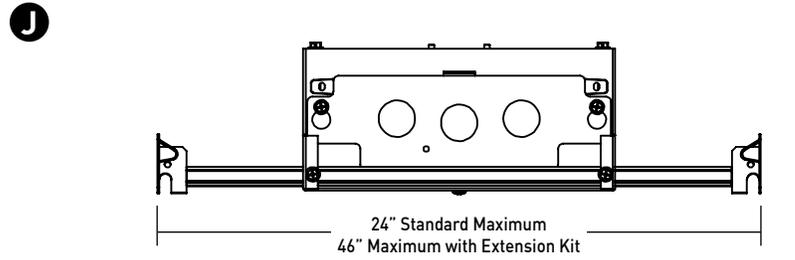
## HOUSING NOTES

- 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.
- Hanger bars can be fitted to long or short side of 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 FRX-HBE-46 kit.
- Hanger bars and brackets add 3.16" to the overall dimension but are exclusive of the setback requirements.
- Housings feature a round or square aperture accommodating ceiling thicknesses between 0.50" to 1.00" max.

## REMOTE POWER SUPPLY

- L REMOTE POWER SUPPLY**  
Provided with install types "C" and "D". Remote power supply provides additional driver options. Consult page 6 for maximum allowable secondary run lengths between PSA2-RMT and fixture. Must be installed in an accessible location.

## DIMENSIONS / DRAWINGS



# ATOMOS1 SLIM PINHOLE FIXED

## TECHNICAL

### CONSTRUCTION

Housing: Aluminum and 22 Gauge galvanized steel.

Remote Power Supply: 22 Gauge galvanized steel.

Appliqué: High strength fiber reinforced polymer.

### STATIC WHITE LED

2-step MacAdam ellipse LED module available in 80+ and 90+ CRI configurations in color temperatures of 2700K, 3000K, 3500K and 4000K. Average rated lamp life: 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

Power Supply	ELV		ECO		0-10V				DALI
	PH	L2	LH	SG	SN	EG	EN	ED	
Minimum °C	-10 °C	0 °C	0 °C	-10 °C	-10 °C	-20 °C	-20 °C	-20 °C	
Maximum °C	40 °C	40 °C	40 °C	40 °C	40 °C	40 °C	40 °C	40 °C	
Dimming %	1.0%	1.0%	1%	1.0%	1.0%	0.1%	0.1%	0.1%	

Note: For L2, LH, EG and EN 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
PH, SG, SN	285'	180'	113'	71'	45'
L2, LH, LP	60'	40'	25'	15'	-
EG, EN, ED	-	-	118'	72'	46'

### LISTING

UL listed to UL1598 standard for Dry / Damp and Wet locations. Chicago Plenum and Airtight Listed. Patent Pending.

### BUY AMERICAN ACT

All IC and Non-IC Atomos configurations are Buy American Act compliant.

### WARRANTY

Manufacturer's 1-year warranty guarantees product(s) listed to be free from defects in material and workmanship under normal use and service. 5-year warranty on LED and power supply to operate with 70% of the original flux and remain within a range of 3 duv. 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.

# ATOMOS1 SLIM PINHOLE FIXED

## DIMMING COMPATIBILITY

### LUTRON DRIVER COMPATIBILITY

Power supply <b>L2</b> Lutron Product Family	Part No.
Maestro WirelessR 600 W dimmer	MRF2-6ND-120-
Maestro WirelessR 1000 W dimmer	MRF2-10ND-120-
Caséta® Wireless Pro 1000 W dimmer	PD-10NXD-
GRAFIK T™ CL® dimmer	GT-250M- GTJ-250M-
HomeWorks® QS adaptive dimmer	HQRD-6NA-
HomeWorks® QS 600 W dimmer	HQRD-6ND-
HomeWorks® QS 1000 W dimmer	HQRD-10ND-
RadioRA® 2 adaptive dimmer	RRD-6NA-
RadioRA® 2 1000 W dimmer	RRD-10ND
myRoom™ DIN power module	MQSE-4A1-D
HomeWorks® QS DIN power module	LQSE-4A1-D
HomeWorks® QS wallbox power module	HQRJ-WPM-6D-120
HomeWorks® wallbox power module	HWI-WPM-6D-120
GRAFIK Eye® QS control unit	QSGR-, QSGRJ-
GRAFIK Eye® 3000 control unit	GRX-3100- GRX-3500-
RPM-4U module (LCP, HomeWorks® QS, GRAFIK Systems™, Quantum®)	HW-RPM-4U-120 LP-RPM-4U-120
RPM-4A module (LCP, HomeWorks® QS, GRAFIK Systems™, Quantum®)	HW-RPM-4A-120, LP-RPM-4A-120
GP dimming panels	Various
Ariadni CL 250W dimmer	AYCL-253P-
Diva CL 250W dimmer	DVCL-253P- DCSCCL-253P-
Nova T CL 250W dimmer	NTCL-250-
Power supply <b>LH</b> 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	QSN-2ECO-S
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	LQSE-2ECO-D
myRoom Plus power module	

### eldoLED DRIVER COMPATIBILITY

Power supply <b>EG</b> 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 <b>EN</b> 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	nI0 EZ
ABB	SD/S 2.16.1

