

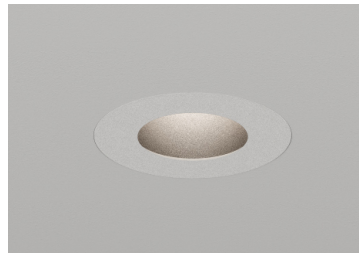
ATOMOS™ 1 PINHOLE

UNIVERSAL AND SLIM

A miniature downlight range offering impressive performance in an extremely small profile with a 1" aperture and 2" overall diameter.

PROJECT NAME:






TYPE:



ORDERING INFORMATION - TRIM / HOUSING



JA8-2022 INDICATED BY SHADING

TRIM	TRIM TYPE	RATING	TRIM FINISH	BAFFLE FINISH	FIXTURE TYPE	INSTALL TYPE	LUMEN PACKAGE	CCT	OPTIC (UGR)	MEDIA	DRIVER	
A2RP	1" Round Pinhole	T Zero-Sightline Drywall	1 Dry / Damp (IP20)	WH White	BK Black	5.52" UNIVERSAL HOUSING (SEPARATE TRIM AND HOUSING) 1/2" - 2" MAX CEILING THICKNESS SEE PAGE 2 FOR T-GRID ACCESSORY	UNIVERSAL STATIC WHITE 8008D 80+ CRI, 276 lm 8009H 80+ CRI, 197 lm* 8012D 80+ CRI, 473 lm 9007D 90+ CRI, 234 lm 9009H 90+ CRI, 167lm* 9010D 90+ CRI, 400 lm 9506D 95+ CRI, 208 lm 9509H 95+ CRI, 154 lm* 9510D 95+ CRI, 356 lm	24 2400K* 27 2700K 30 3000K 35 3500K 40 4000K	10 10° <13 15 15° <13 25 25° <13 35 35° <13 50 50° <13	STANDARD 4 Soft Focus Film* (Required for 10° optic) ALTERNATE 0 No Media* (Not available for Wet Location) 2 Honeycomb Louver* (Not available for Wet Location, 8016D, 9014D, or 9513D) 3 Clear Film 5 Honeycomb Louver w/ Soft Focus Film* (Not available for 8016D, 9014D or 9513D) C Honeycomb Louver w/ Clear Film* (Not available for 8016D, 9014D, or 9513D)	ALL INSTALL TYPES PH 1% Forward / Reverse, 120V* (Not available for 8008D, 8009H, 9007D, 9009H, 9006D, or 9509H) SG eldoLED, ECOdrive 1% 0-10V, LOG, 120 - 277V SG eldoLED, ECOdrive 1% 0-10V, LIN, 120 - 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 LP Lutron, Premier Ecosystem 0.1% Fade to Black, 120 or 277V* (Not available for X, Y and C install types, consult factory)	
A2SP	1" Square Pinhole	W Zero-Sightline Millwork* * (Not available for Square A2SP, or remodel installations) CONSULT FACTORY FOR ROUND FLANGE OVERLAY	2 Wet (IP44)	CF Custom Finish* * (Consult Factory, Custom Finish applies to both Trim and Baffle Finish)	AD Adjustable, 30° Max Tilt FD Fixed							INTEGRAL DRIVER I IC N Non-IC A IC, Airtight* * (Chicago Plenum, Airtight & Title 24 compliant housing) L IC, Light Enclosed* * (Chicago Plenum, Airtight & Title 24 compliant housing. Prevents light leak in transparent ceilings) REMOTE DRIVER S IC, Remote T Non-IC, Remote K IC, Airtight, Remote* * (Chicago Plenum, Airtight & Title 24 compliant housing) J IC, Light Enclosed, Remote* * (Chicago Plenum, Airtight & Title 24 compliant housing. Prevents light leak in transparent ceilings) REMODEL R Remodel* * (Not available for Tunable White) REMOTE REMODEL M Remote Remodel
3.4" SLIM HIGH OUTPUT HOUSING (INTEGRATED LED HOUSING) SF: 1/2" - 1" MAX CEILING THICKNESS SW: 1/2" - 5/8" MAX CEILING THICKNESS SEE PAGE 2 FOR T-GRID ACCESSORY						SF Fixed	INTEGRAL DRIVER X IC Y NIC C IC, Airtight* * (Chicago Plenum, Airtight & Title 24 compliant housing) REMOTE DRIVER V IC, Remote W NIC, Remote D IC, Airtight, Remote* * (Chicago Plenum, Airtight & Title 24 compliant housing)	SLIM STATIC WHITE 8008D 80+ CRI, 369 lm 8009H 80+ CRI, 214 lm* * (For use with 10° Optic only) 8012D 80+ CRI, 632lm 8016D 80+ CRI, 764lm 9007D 90+ CRI, 313 lm 9009H 90+ CRI, 181 lm* * (For use with 10° Optic only) 9010D 90+ CRI, 535 lm 9014D 90+ CRI, 649lm 9506D 95+ CRI, 278 lm 9509H 95+ CRI, 154 lm* * (For use with 10° Optic only) 9510D 95+ CRI, 476 lm 9513D 95+ CRI, 578 lm SLIM WARM DIM 9006D 90+ CRI, 272 lm 9011D 90+ CRI, 476 lm 9015D 90+ CRI, 574 lm SLIM TUNABLE WHITE 9010D 90+ CRI Warm Profile, 437 lm Cool Profile, 384 lm *ALL LM DATA REFLECTS 15° OPTIC	24 2400K* 27 2700K 30 3000K 35 3500K 40 4000K WL 2700K - 1800K WD 3000K - 1800K TR 4000K - 1800K TH 5000K - 2700K			
PART NUMBER NOTES												
<ul style="list-style-type: none">Universal trims ship as e.g: A2RPTAD1WHBK-9010D30-AZI-PH*4Universal housings ship as e.g: IFR-A2I-280A-PH*Slim fixtures ship as e.g: A2RPTSF1WHBK-9010D30-AZY-PH*4Remote drivers ship as e.g: PSA2-RMT-280A-PH*												
<div><div> (WH) White Powder Coat</div><div> (BK) Black Powder Coat</div></div> <div></div>												



PART NUMBER NOTES

- Universal trims ship as e.g: A2RPTAD1WHBK-9010D30-AZI-PH*4
- Universal housings ship as e.g: IFR-A2I-280A-PH*
- Slim fixtures ship as e.g: A2RPTSF1WHBK-9010D30-AZY-PH*4
- Remote drivers ship as e.g: PSA2-RMT-280A-PH*



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

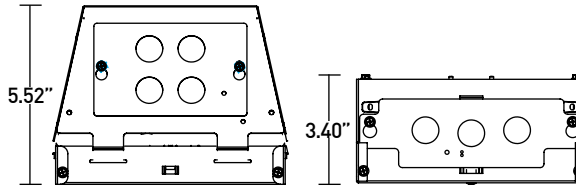
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[FAX] +1-210-227-4967

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ATOMOS1 PINHOLE UNIVERSAL AND SLIM

HOUSING COMPARISON



HOUSING COMPARISON	UNIVERSAL HOUSING	SLIM HIGH OUTPUT HOUSING
FIXTURE TYPES	AD FD	SF
HOUSING DEPTH	5.52"	3.4"
MAX DELIVERED LUMENS	AD - 469 FD - 469	SF - 632
MAX CEILING THICKNESS	2"	1"
ROTATING COLLAR	NO	YES
OPTICS	15°, 25°, 35°, 50°, & ADJUSTABLE ZOOM	15°, 25°, 35°, & 50°

ACCESSORIES

ALTERNATE EFFECTS DEVICES

Consult factory for additional configurations.

- ☐ **CGL-AP** Clear Film*
*(Not available for warm dim when paired with 15° optic)
- ☐ **SFL-AP** Soft Focus Film
- ☐ **HCL-AP** Honeycomb Louver*
*(Not available for wet location unless paired with film, or warm dim when paired with 15° optic)

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 up to 1.5" tall.

- ☐ **DHA-TG-KIT**

INSTALLATION / REMOVAL TOOL

Required for installation. One provided for every 10 fixtures.

- ☐ **A2-TOOL-INSTALL** 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

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

ADJUSTMENT TOOL

One provided for every 10 adjustable fixtures.

- ☐ **TOOL-HEX-050** Adjustment Tool

FURRING CHANNEL ACCESSORY KIT

Recommended for installations in furring channel.

- ☐ **DHA-FC-KIT**

ATOMOS1 PINHOLE UNIVERSAL AND SLIM

STATIC WHITE PERFORMANCE - 3000K

UNIVERSAL HOUSING (AD, FD, WW)

LUMEN PACKAGE	WATTS	15° OPTIC SOFT FOCUS FILM		25° OPTIC SOFT FOCUS FILM		35° OPTIC SOFT FOCUS FILM		50° OPTIC SOFT FOCUS FILM	
		DLVD.	LPW	DLVD.	LPW	DLVD.	LPW	DLVD.	LPW
8008D	6	276	46	274	46	243	46	257	43
8012D	12	473	39	469	39	415	35	440	37
9007D	6	234	39	232	39	206	34	218	36
9010D	12	400	33	397	33	352	29	373	31
9506D	6	208	35	207	34	183	31	194	32
9510D	12	356	30	353	29	313	26	332	28
9006D (27K-18K)	6	204	34	197	33	165	27	206	34
9006D (30K-18K)	6	216	36	208	35	174	29	218	36
9011D (27K-18K)	12	356	30	343	29	288	24	360	30
9011D (30K-18K)	12	377	31	364	30	305	25	382	32
9010DTR (40K-18K)	10	327	33	303	30	242	24	298	30
9010DTH (50K-27K)	10	288	29	267	27	213	21	262	26

LUMEN PACKAGE	WATTS	10° OPTIC FIELD REDUCER KIT	
		DLVD.	LPW
8009H	9	197	22
9009H	9	167	19
9509H	9	154	17

UNIFIED GLARE RATING

10° OPTIC FIELD REDUCER KIT	15° OPTIC SOFT FOCUS LENS	25° OPTIC SOFT FOCUS LENS	35° OPTIC SOFT FOCUS LENS	50° OPTIC SOFT FOCUS LENS
<13	<13	<13	<13	<13

OUTPUT MULTIPLIER

CCT	CCT SCALE
2400K	0.76
2700K	0.95
3000K	1.00
3500K	1.05
4000K	1.06

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

MEDIA LIGHT LOSS FACTOR

MEDIA	LLF
NO MEDIA	1.11
SOFT FOCUS	1
CLEAR	1
HONEYCOMB	0.77
HONEYCOMB W/ SOFT FOCUS	0.77
LINEAR SPREAD	0.76
HONEYCOMB W/ CLEAR	0.76

ATOMOS1 PINHOLE UNIVERSAL AND SLIM

STATIC WHITE PERFORMANCE - 3000K

SLIM HIGH OUTPUT HOUSING (SF ONLY)

LUMEN PACKAGE	WATTAGE	15° OPTIC SOFT FOCUS FILM		25° OPTIC SOFT FOCUS FILM		35° OPTIC SOFT FOCUS FILM		50° OPTIC SOFT FOCUS FILM	
		DLVD.	LPW	DLVD.	LPW	DLVD.	LPW	DLVD.	LPW
8008D	6	369	62	338	56	291	48	375	62
8012D	12	632	53	578	48	497	41	641	53
8016D	15	764	51	699	47	601	40	775	52
9007D	6	313	52	287	48	246	41	317	53
9010D	12	535	45	490	41	421	35	543	45
9014D	15	649	43	594	40	511	34	659	44
9506D	6	278	46	255	42	219	37	283	47
9509D	12	476	40	436	36	375	31	483	40
9510D	15	578	39	529	35	455	30	587	39
9006D [27K-18K]	6	257	43	251	42	219	37	282	47
9006D [30K-18K]	6	272	45	265	44	232	39	298	50
9011D [27K-18K]	12	449	37	438	36	383	32	493	41
9011D [30K-18K]	12	476	40	464	39	406	34	522	44
9015D [27K-18K]	15	540	36	526	35	460	31	592	39
9015D [30K-18K]	15	574	38	559	37	489	33	629	42
9010DTR [40K-18K]	10	437	44	374	37	290	29	434	43
9010DTH [50K-27K]	10	384	38	329	33	255	26	382	38

TITLE 24 JA8-2022 INDICATED BY SHADING

LUMEN PACKAGE	WATTS	10° OPTIC FIELD REDUCER KIT	
		DLVD.	LPW
8009H	9	214	24
9009H	9	181	20
9509H	9	166	19

UNIFIED GLARE RATING

10° OPTIC FIELD REDUCER KIT	15° OPTIC SOFT FOCUS LENS	25° OPTIC SOFT FOCUS LENS	35° OPTIC SOFT FOCUS LENS	50° OPTIC SOFT FOCUS LENS
<13	<13	<13	<13	<13

OUTPUT MULTIPLIER

CCT	CCT SCALE
2400K	0.76
2700K	0.95
3000K	1.00
3500K	1.05
4000K	1.06

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

MEDIA LIGHT LOSS FACTOR

MEDIA	LLF
NO MEDIA	1.11
SOFT FOCUS	1
CLEAR	1
HONEYCOMB	0.77
HONEYCOMB W/ SOFT FOCUS	0.77
LINEAR SPREAD	0.76
HONEYCOMB W/ CLEAR	0.76

ATOMOS1 PINHOLE UNIVERSAL AND SLIM

WARM DIM PERFORMANCE - SOFT FOCUS FILM - 15° OPTIC

UNIVERSAL ADJUSTABLE & FIXED

INCANDESCENT PROFILE

9006DWL 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)	2700	2550	2300	2000	1900	1850	1800
Light Output (Lm)	204	163	143	102	41	20	4
Power (W)	6	4.8	4.2	3	1.2	0.6	0.1
Efficacy (LPW)	34	34	34	34	34	34	34
9011DWL 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)	2700	2700	2700	2700	2200	1900	1800
Light Output (Lm)	356	285	249	178	71	36	7
Power (W)	11	8.8	7.7	5.5	2.2	1.1	0.2
Efficacy (LPW)	30	30	30	30	30	30	30

HALOGEN PROFILE

9006DWD 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	2700	1900	1850	1800
Light Output (Lm)	216	173	151	108	43	22	4
Power (W)	6	4.8	4.2	3	1.2	0.6	0.1
Efficacy (LPW)	36	36	36	36	36	36	36
9011DWD 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	3000	3000	3000	2300	1850	1800
Light Output (Lm)	377	302	264	189	75	38	8
Power (W)	11	8.8	7.7	5.5	2.2	1.1	0.2
Efficacy (LPW)	31	31	31	31	31	31	31

WARM DIM PERFORMANCE - SOFT FOCUS FILM - 15° OPTIC

SLIM FIXED

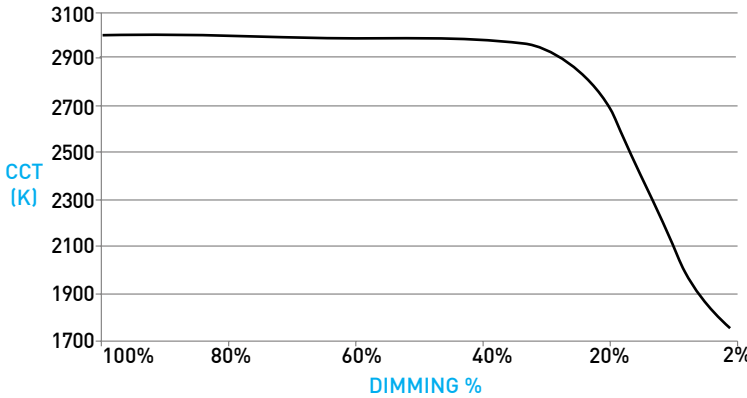
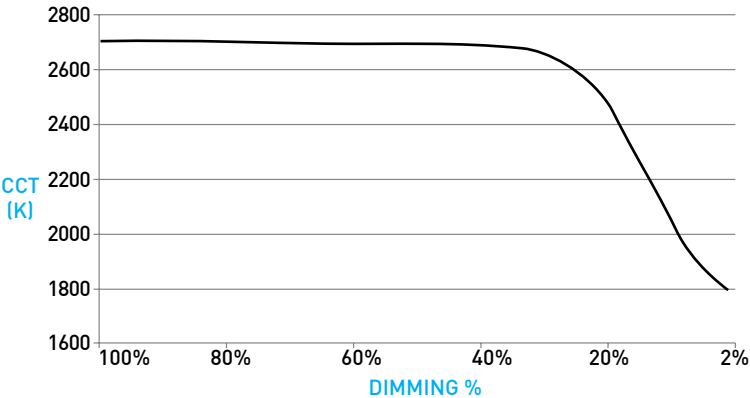
INCANDESCENT PROFILE

9006DWL 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)	2700	2550	2300	2000	1900	1850	1800
Light Output (Lm)	257	206	180	129	51	26	5
Power (W)	6	4.8	4.2	3	1.2	0.6	0.1
Efficacy (LPW)	43	43	43	43	43	43	43
9011DWL 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)	2700	2700	2700	2700	2200	1900	1800
Light Output (Lm)	449	359	314	225	90	45	9
Power (W)	11	8.8	7.7	5.5	2.2	1.1	0.2
Efficacy (LPW)	37	37	37	37	37	37	37
9015DWL 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)	2700	2700	2700	2700	2450	1950	1800
Light Output (Lm)	540	432	378	270	108	54	11
Power (W)	15	12	10.5	7.5	3	1.5	0.3
Efficacy (LPW)	36	36	36	36	36	36	36

HALOGEN PROFILE

9006DWD 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	2700	1900	1850	1800
Light Output (Lm)	272	218	190	136	54	27	5
Power (W)	6	4.8	4.2	3	1.2	0.6	0.1
Efficacy (LPW)	45	45	45	45	45	45	45
9011DWD 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	3000	3000	3000	2300	1850	1800
Light Output (Lm)	476	381	333	238	95	48	10
Power (W)	11	8.8	7.7	5.5	2.2	1.1	0.2
Efficacy (LPW)	40	40	40	40	40	40	40
9015DWD 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	3000	3000	3000	2700	1900	1800
Light Output (Lm)	574	459	402	287	115	57	11
Power (W)	15	12	10.5	7.5	3	1.5	0.3
Efficacy (LPW)	38	38	38	38	38	38	38

WARM DIM CURVES



NOTE: LIN-TO-LIN 0-10V PAIRING NOT COMPATIBLE WITH WARM DIM.

ATOMOS1 PINHOLE UNIVERSAL AND SLIM

DOWNLIGHT

- A1

UNIVERSAL TRIMS
Adjustable (AD) - Hot-aim tilt up to 30° and 362° rotation. Offset pivot point optimizes center beam. Max ceiling thickness for 30° tilt is 1-3/8".

Fixed (FD) - Trim based fixed downlight.

- A2

UNIVERSAL HOUSING
 - For IC or Non-IC ceilings.
 - Chicago Plenum and Airtight listed.
 - Requires 2-5/16" cutout for flange overlay and trimless drywall applications.
 - Accommodates max 469 delivered lumens.
 - No setback from polycell spray foam insulation having max R-Value of 60 on all sides and top.
 - "L" and "J" Light Tight housings ensure there is no light leak through fabric or transparent ceilings.
- B

SLIM HIGH OUTPUT HOUSING
Integral LED module design enables field service / replacement through housing aperture.
 - 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 632 delivered lumens.
 - No setback from polycell spray foam insulation having max R-Value of 60 on all sides and top.

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" and 2.00".

ADJUSTMENT

- ADJUSTMENT TOOL**
Minimum 1 provided for every 10 adjustable fixtures. Utilizes a 0.050" Allen key driver.

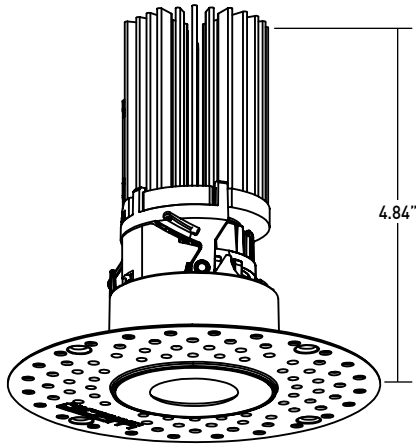


TILT CHART

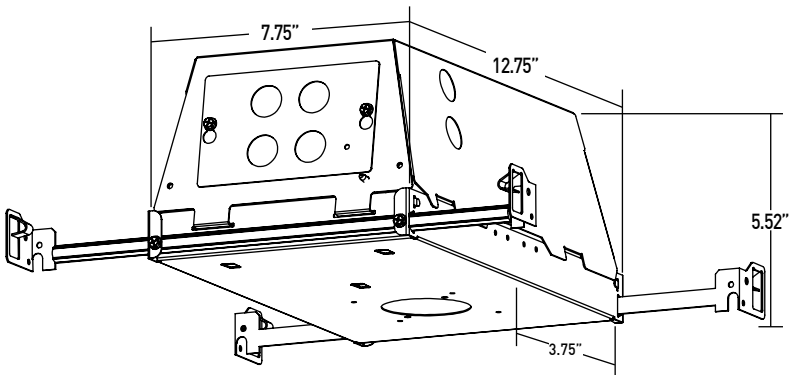
CEILING THICKNESS	≤1-1/2"	≤1-5/8"	≤1-3/4"	≤1-7/8"	≤2"
MAX TILT	30°	24°	18°	15°	13°

DIMENSIONS / DRAWINGS

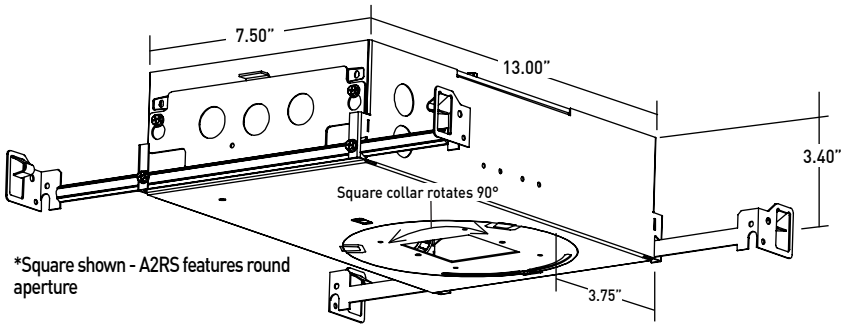
A1 UNIVERSAL ADJUSTABLE (AD) & FIXED (FD) TRIM



A2 UNIVERSAL ADJUSTABLE (AD) AND FIXED (FD) HOUSING



B SLIM FIXED (SF) FIXTURE

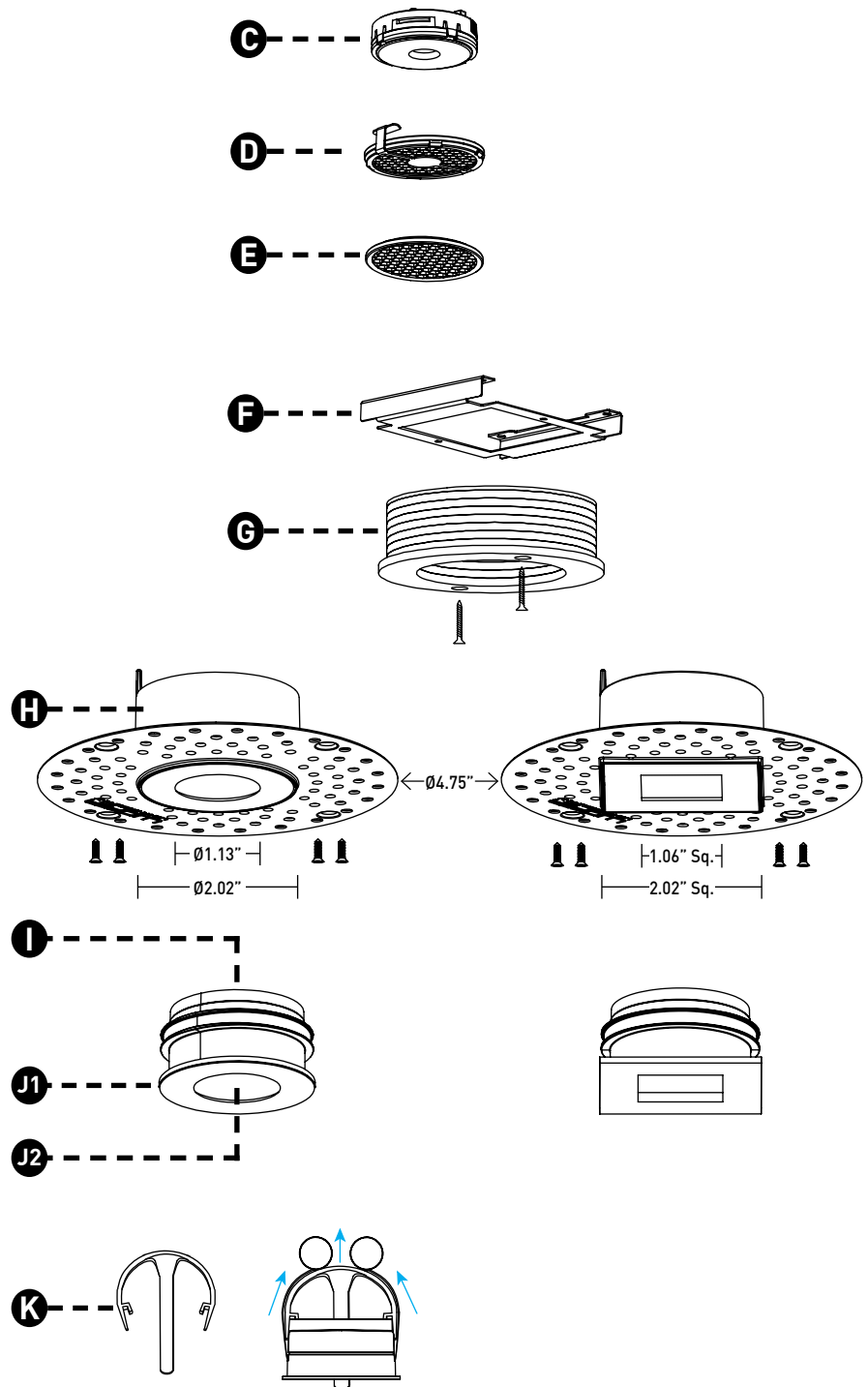


ATOMOS1 PINHOLE UNIVERSAL AND SLIM

HOUSING

- C STANDARD OPTICS**
Proprietary optic integrates Reflection, Refraction and TIR offering 15°, 25°, 35°, and 50° beams.
- D 10° FIELD REDUCER**
Provided with 10° optic, includes honeycomb louver.
- E HONEYCOMB LOUVER**
Clips onto optic.
- F ZERO-SIGHTLINE MILLWORK HOUSING ADAPTOR**
Ships with housing when trimless millwork is specified and provides attachment point for spacers. Requires 3.50" x 3.50" cutout.
- G ZERO-SIGHTLINE MILLWORK SPACERS**
Ship with housing when trimless millwork is specified; includes (1) 1/16" spacer and (8) 1/8" spacers.
- H 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.
- I MEDIA**
Soft focus film standard and sealed to baffle. Fixture is limited to 1 film and the honeycomb louver.
- J BAFFLE**
Die-cast removable baffle features 35° glare cutoff. Minimizes aperture glare and conceals view into housing or ceiling; includes silicone gasket.
Exterior finish **J1** is specified in "Trim Finish" section.
Interior finish **J2** is specified in "Baffle Finish" section and is only available in black.
- K INSTALLATION TOOL**
Minimum 1 provided for every 10 trimless millwork fixtures.

DIMENSIONS / DRAWINGS



ATOMOS1 PINHOLE UNIVERSAL AND SLIM

HOUSING

- L TRIMLESS MILLWORK**
Installs totally flush with the ceiling with no visible trim. Utilizes the A2RS or A2SS standard configuration installed behind the ceiling.
- M ADJUSTABLE HANGER BAR HEIGHT ACCESSORY**
Specified as DHA-TG-KIT and recommended for installations in T-Grid. Hanger bars are installed to adjustable bracket. Allows housing to be raised and lowered; ceiling thickness remains 0.50" to 1.00" (SLIM) or 2.00" (Universal) max.
- N REMOTE POWER SUPPLY**
Provided with install types "S", "T", "K", "V", "W", and "D". Remote power supply provides additional driver options. Consult page 9 for maximum allowable secondary run lengths between PSA2-RMT and fixture. Must be installed in an accessible location.
- O ATHENA / CASAMBI CONTROL**
Controls integrated into remote driver assembly. All equipment is serviceable.

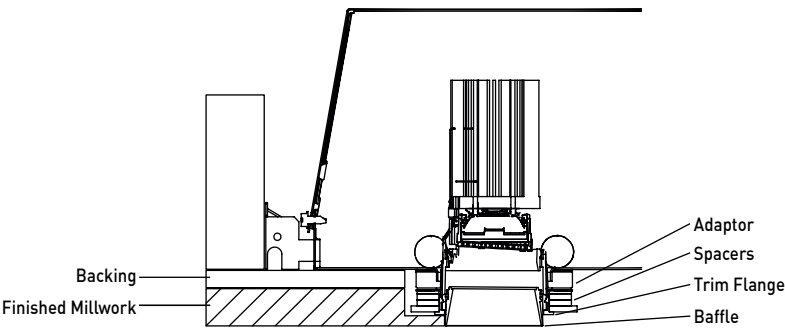
Athena Model Numbers: A-WN-D01-RF-BL & DFC-OEM-DBI

Casambi Model Number: BT-S1E1-5400
- P 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.

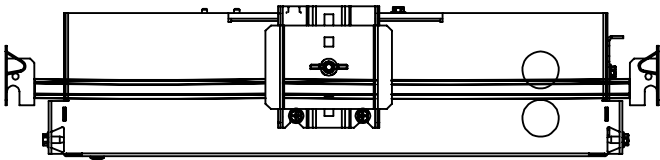
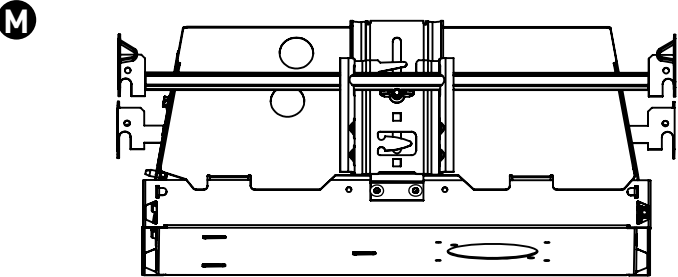
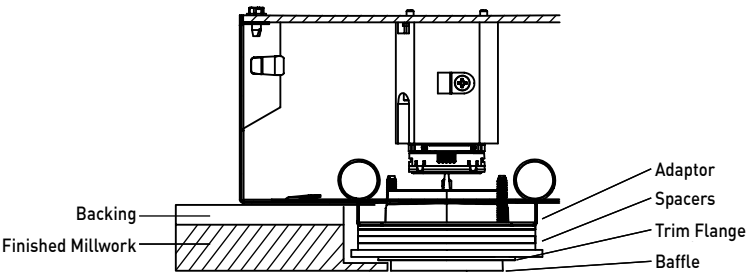
Model Number: PS-RMT-SHUNT

DIMENSIONS / DRAWINGS

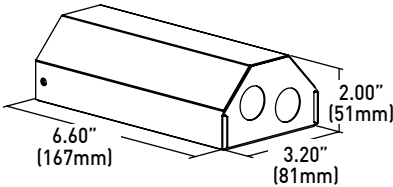
L UNIVERSAL ZERO-SIGHTLINE MILLWORK DETAIL (EXAMPLE)



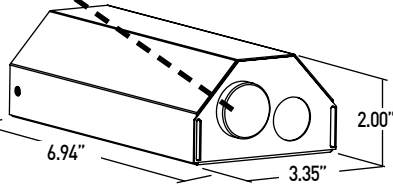
SLIM ZERO-SIGHTLINE MILLWORK DETAIL (EXAMPLE)



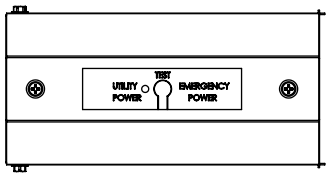
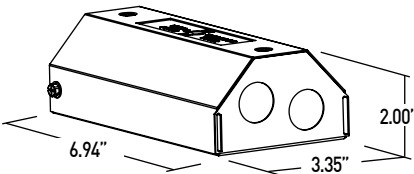
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P



ATOMOS1 PINHOLE UNIVERSAL AND SLIM

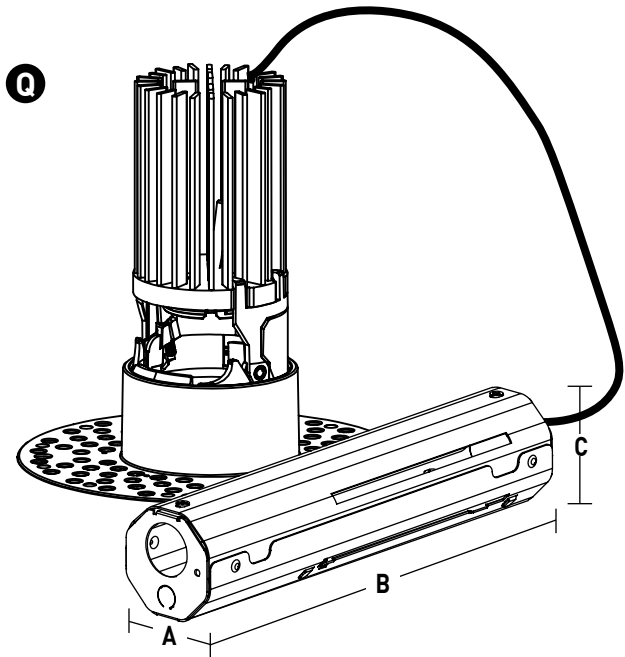
REMODEL POWER SUPPLY

- Q**
- REMODEL POWER SUPPLY**
 - Included with "R" Install Type.
 - UL2043 listed for air-handling plenum.
 - Fixture mounts without conventional housing.
 - Minimum 6.75" (172mm) (PH Driver) or 9.25" (235mm) (All other drivers) clearance from top of the ceiling plane to allow for driver installation and servicing.
 - Minimum setback from combustable and non-combustible materials of 6.63" (168mm) radius from fixture centerline.
 - Minimum 3.00" (76mm) setback from surfaces of power supply / junction box.
 - Minimum additional 3.00" (76mm) setback from insulation material with max R-Value 30 from any surface of downlight fixture assembly.
 - Minimum additional 6.00" (152mm) setback from polycell spray foam insulation with max R-Value 60 from any surface of downlight fixture assembly.
- R**
- REMOTE REMODEL APPLICATIONS**
 - Remote power supply included with "M" Install Type.
 - Minimum 0.75" (19mm) clearance from top of the fixture.
 - Requires plenum rated Class 2 cable between fixture and remote driver. Cable supplied by others.
 - See page 10 for maximum allowable wiring distances.

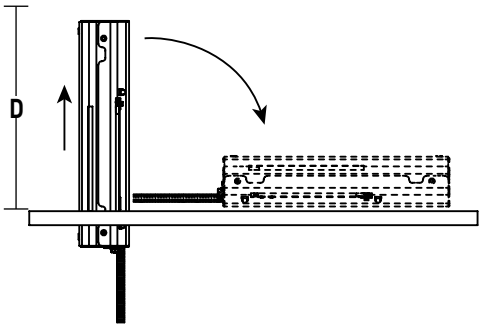
REMODEL NOTES

- 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.

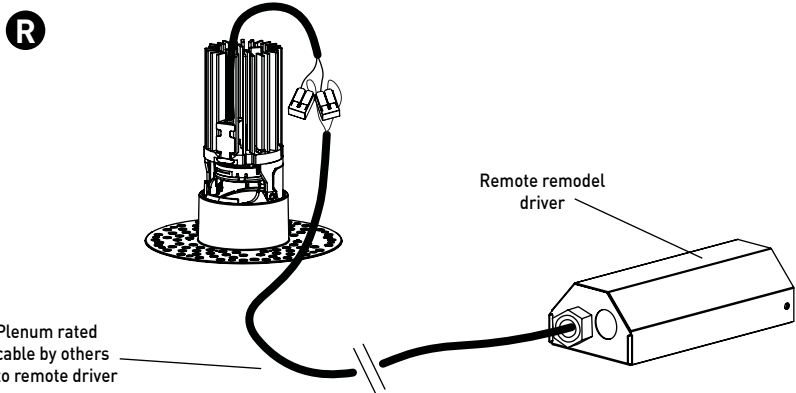
DIMENSIONS / DRAWINGS



*D - MINIMUM REQUIRED CLEARANCE ABOVE CEILING



DIMENSIONS				
DRIVER	A	B	C	D
PH	1.80"	5.55"	1.80"	6.75"
SG, SN, EG, EN, ED, LP, AS, CS	1.80"	8.07"	1.80"	9.25"



ATOMOS1 PINHOLE UNIVERSAL AND SLIM

TECHNICAL

CONSTRUCTION

Downlight: Painted finishes are granulated powder coat.

Housing: Aluminum and 22 Gauge galvanized steel.

Remote Power Supply: 22 Gauge galvanized steel.

Remodel Power Supply: 24 Gauge cold rolled steel.

Appliqué: High strength fiber reinforced polymer.

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: 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

	PHASE			ECO					0-10V					DALI			ATHENA		CASAMBI		
Power Supply	PH	LP	LH	SG	SN	EG	EN	DN	ED	DD	DG	AS	AD	CS	CD						
Minimum °C	-10 °C	0 °C	0 °C	-20 °C	-10 °C	-20 °C	-20 °C	-20 °C	-20 °C	-20 °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	40 °C	40 °C	40 °C	40 °C						
Dimming %	1.0%	0.1%	1.0%	1.0%	1.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%						

Note: For LH, LP, EG, EN, and SG drivers consult chart on page 11 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, SN	285'	180'	113'	71'	45'
LP, LH	60'	40'	25'	15'	-
EG, EN, SG, ED, AS, CS, AD, CD, DN, DD, DG	-	-	118'	72'	46'

LISTING

UL listed to UL1598 standard for Dry / Damp and Wet locations. Chicago Plenum, Airtight and Title 24 JA8-2022 Listed. NEMA 410 compliant.

BUY AMERICAN ACT

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

DECLARE

LBC Red List Approved.

WEIGHT

Adjustable Housing - 3.9lbs

Trim - 0.6lbs

Slim Housing - 4.6lbs

Remote Driver - 1.4lbs

LIMITED 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.

CHANGE LOG

- 06/09/2023: UPDATED SG AND SN DRIVERS TO ELDOLED ECODEIVE.
- 02/07/2024: ADDED ATHENA AND CASAMBI CONTROL OFFERINGS. ADDED 2400K, TUNABLE WHITE, AND LOW WATTAGE OFFERINGS.
- 07/24/2024: DISCONTINUED L2 LUTRON HI-LUME 1% 2-WIRE DRIVER OFFERING.
- 10/31/2024: ADDED 95+ CRI OFFERING.
- 05/07/2025: UPDATED WARM DIM OFFERING.



ATOMOS1 PINHOLE UNIVERSAL AND SLIM

DIMMING COMPATIBILITY

LUTRON DRIVER COMPATIBILITY

Power supply LP, LH 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	
GRAFIK Eye QS control unit	QSGRJ- _E (wireless) QSGR- _E
Homeworks QS control unit	
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 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 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

ANALOG DRIVERS AND DIMMERS

