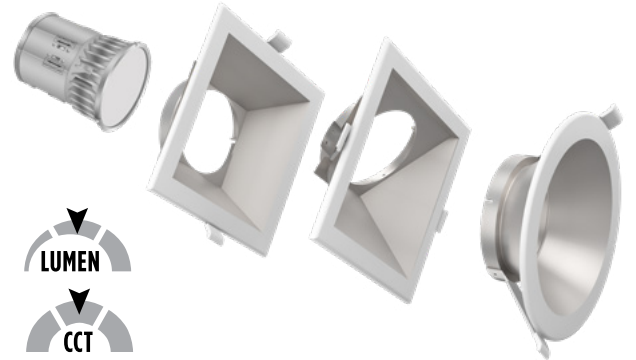




Advantage Downlights (ADL)

Field-Selectable, New Construction and Retrofit



OVERVIEW	
Lumen Package (lm)	750 - 3,900
Wattage Range (W)	9 - 38
Efficacy Range (LPW)	76 - 98
Weight lbs (kg)	2.6 (0.8)
Controls	ALB

QUICK LINKS

FEATURES & SPECIFICATIONS

Construction

- Drawn Aluminum housing, spun Aluminum trims
- Integrated wiring box for quick installation
- Twist & Lock modular design
- Seamless integration of multiple trims
- Operating temperature: -20°C to +35°C (-4°F to 95°F)
- 4", 6", 8" trims available in with haze or white flange
- Optional new construction frame kit

Optical System

- Selectable lumen output to suit a wide range of applications
- Selectable CCT for maximum flexibility
- Minimum color rendering index (CRI) of 80 for visual acuity
- Diffuse Acrylic cover lens for glare-free, uniform luminance and high visual comfort
- Lambertian or wall wash distributions

Electrical

- Class 2 driver features over-voltage, under-voltage, short-circuit and over-temperature protection
- Selectable power to maximize energy savings
- 0-10V dimming (10% - 100%) standard
- Standard Universal Voltage (120-347 VAC) Input 50/60 Hz
- L70 Calculated Life: >50k hours (See Lumen Maintenance table)
- Power factor: > 0.90
- Total harmonic distortion: <20%
- Optional remote battery backup for standby lighting (90min.)

Controls

- 0-10V dimming standard
- Compatible with most 0-10V dimmers
- Compatible with LSI AirLink® Blue for networked controls
- See controls table for more information

Installation

- Durable high-tension clips allow fast and easy installation
- Eliminates need for traditional framing kit
- Twist and lock mechanism to install or replace trims
- Field selectable before, during or after installation
- Accommodates ceiling thickness up to 1 1/2"

Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to <https://www.lsicorp.com/resources/terms-conditions-warranty/> for more information.

Listings

- Listed to UL 1598 and UL 8750.
- Title 24 Compliant; see local ordinance for qualification information.
- Suitable for damp locations.
- Energy Star listed
- IC-rated for direct contact with insulation (FS1 only).

Advantage Downlights (ADL)

Type : _____

 **Have questions?** Call us at (800) 436-7800

ORDERING GUIDE

TYPICAL ORDER EXAMPLE: ADL FS2 UNV 6S WHT						
Prefix	Light Output & CCT/CRI	Voltage	Trim (Self-Flanged) ¹	Finish	Controls ³	Options
ADL - Advantage Downlight	FS1 - 750 - 1,200 - 1,800lm FS2 - 2,200 - 2,800 - 3,900lm	UNV - 120-347VAC 0-10V dimming (10-100%)	4R - 4" round 4S - 4" square 4W - 4" wall wash round ¹ 4WS - 4" wall wash square ¹ 6R - 6" round 6S - 6" square 8R - 8" round 10R ² - 10" round	HAZ - Haze trim, haze flange WHT - Haze trim, white flange	Blank - None See Controls table for options	Blank - None



Need more information?
[Click here for our glossary.](#)

Have additional questions?
Call us at (800) 436-7800



ACCESSORY ORDERING INFORMATION

Part Number	Order Number	Description
786277	EM8RMK ³	8W Battery Backup 120-277VAC with remote grid mount kit
778196	EM8RB ³	8W Remote Mount Battery
786278	ADLRKIT	Frame Kit for Round Trims
795802	ADLSKIT	Frame Kit for Square Trims
814080	ADL FRAME J-BOX	New Construction Wiring Box with MC Cable

CONTROLS ORDERING INFORMATION³

Part Number	Order Number	Description
755249	ALBC 5A	5A Circuit controller
755248	ALBC 5A OS1	5A Circuit controller w/ ceiling motion & daylight 9ft mt ht
755245	ALBC 5A OS2	5A Circuit controller w/ ceiling motion & daylight 40ft mt ht
760580	ALBCM DHS	AirLink Blue Daylight Harvesting Sensor
760380	ALBCM	AirLink Blue Ceiling Mount Motion Sensor
754823	ALBWS E02B WH	AirLink Blue Two Button Switch
754824	ALBWS E04B WH	AirLink Blue Four Button Switch
741967	ALBTK	AirLink Blue Time Keeper
760921	ALBWS MW4B	AirLink Blue Wall Dimmer Four Button Switch
754821	ALBWS MW1B	AirLink Blue Wall Dimmer Switch

1- Check with factory, some trims may require longer lead times

2 - 10" round trim available in WHT finish only. Frame kit not compatible with 10" round trim.

3 - Remote EM and ALB Controls not compatible with 347VAC.

Advantage Downlights (ADL)

Type : _____

 Have questions? Call us at (800) 436-7800

PERFORMANCE

Delivered Lumens							
Lumen Package ⁴	Wattage	3000K CCT		3500K CCT		4000K CCT	
		Delivered Lumens ⁵	Efficacy	Delivered Lumens ⁵	Efficacy	Delivered Lumens ⁵	Efficacy
FS1-Low	9	790	85	894	96	859	88
FS1-Medium	13	1094	78	1237	92	1189	84
FS1- High	19	1427	76	1614	86	1551	83
FS2-Low	26	2230	86	2510	98	2368	92
FS2-Medium	31	2649	80	2982	95	2813	85
FS2- High	38	3485	92	3924	103	3700	85

Electrical Data - AMPS ⁵			
Lumen Package	Wattage	120V	277V
FS1- Low	9	0.08	0.03
FS1-Medium	13	0.11	0.05
FS1- High	19	0.16	0.07
FS2- Low	26	0.22	0.09
FS2- Medium	31	0.26	0.11
FS2- High	38	0.32	0.14

Recommended Lumen Maintenance ¹ - FS2					
Ambient Temperature	Initial ²	25K hrs. ²	50K hrs. ²	75K hrs. ³	100K hrs. ³
0 C	100%	95%	91%	87%	83%
10 C	100%	95%	91%	57%	83%
20 C	99%	95%	90%	86%	82%
25 C	99%	95%	90%	86%	82%
30 C	99%	94%	90%	85%	81%
35 C	99%	94%	89%	85%	80%

Recommended Lumen Maintenance ¹ - FS1					
Ambient Temperature	Initial ²	25K hrs. ²	50K hrs. ²	75K hrs. ³	100K hrs. ³
0 C	100%	94%	88%	83%	78%
10 C	100%	93%	87%	81%	75%
20 C	100%	93%	86%	79%	73%
25 C	100%	92%	85%	78%	72%
30 C	100%	92%	84%	77%	71%
35 C	100%	91%	83%	75%	69%

1 - Lumen maintenance values at 25C are calculated per TM-21 based on LM-80 data and in-situ testing.
 2 - In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing.
 3 - In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times the IESNA LM-80-08 total test duration for the device under testing.
 4 - All trims available with FS1 or FS2 lumen packages.
 5 - For exact lumen values, refer to the individual photometric files.

Advantage Downlights (ADL)

Type: _____

 **Have questions?** Call us at (800) 436-7800

PHOTOMETRICS

Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

See the individual product page on <https://www.lsicorp.com/> for detailed photometric data.

ADL FS1 4R HAZ

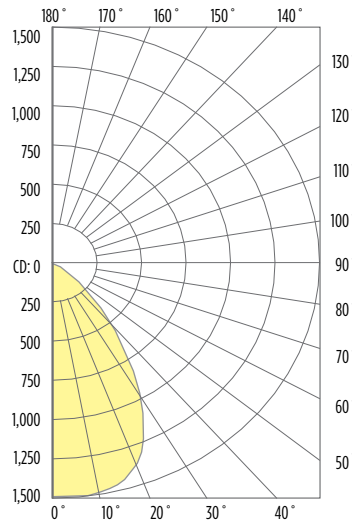
Lumens: 900

Watts: 9

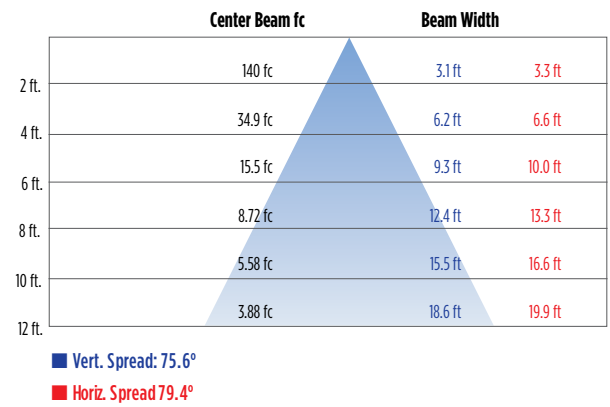
Efficacy: 100

Zonal Lumen Summary			Candela Table	
Zone	Lumens	%Fixture	Degree Vertical	Candela
0-10	54	6.0%	0	558
10-20	157	17.4%	5	561
20-30	229	25.4%	10	561
30-40	223	24.8%	15	557
40-50	152	16.8%	20	538
50-60	70	7.8%	25	502
60-70	15	1.7%	30	441
70-80	1	0.1%	35	361
80-90	0	0.0%	40	272
90-100	0	0.0%	45	194
0-180	900	100%	50	129
			55	78
			60	38
			65	13
			70	3
			75	1
			80	0
			85	0
			90	0

Polar Candela Distribution



Illuminance at a Distance



ADL FS1 4WS HAZ

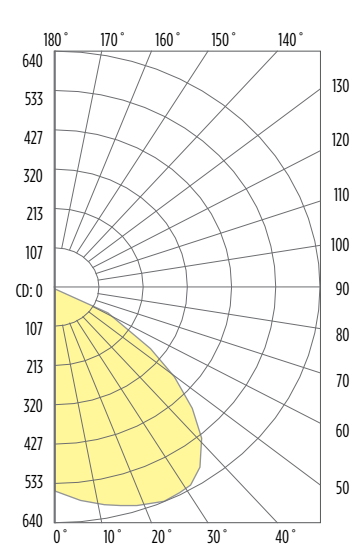
Lumens: 1,175

Watts: 13

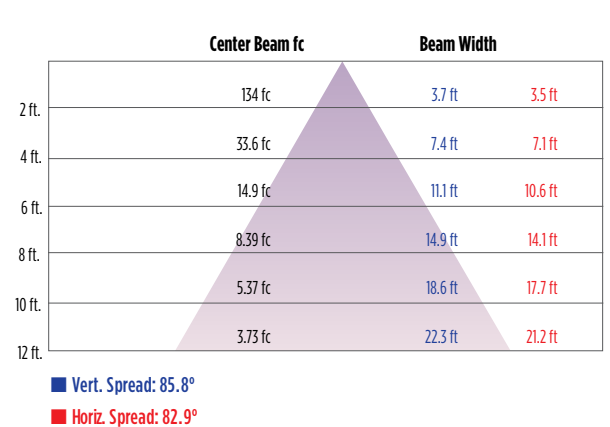
Efficacy: 90

Zonal Lumen Summary			Candela Table	
Zone	Lumens	%Fixture	Degree Vertical	Candela
0-10	51	4.4%	0	537
10-20	149	12.7%	5	559
20-30	226	19.3%	10	579
30-40	259	22.0%	15	597
40-50	232	19.8%	20	612
50-60	157	13.4%	25	625
60-70	75	6.4%	30	632
70-80	22	1.9%	35	627
80-90	3	0.3%	40	600
90-100	0	0.0%	45	553
0-180	1,175	100%	50	480
			55	377
			60	271
			65	175
			70	100
			75	48
			80	18
			85	2
			90	0

Polar Candela Distribution



Illuminance at a Distance



Advantage Downlights (ADL)

Type: _____

 **Have questions?** Call us at (800) 436-7800

PHOTOMETRICS

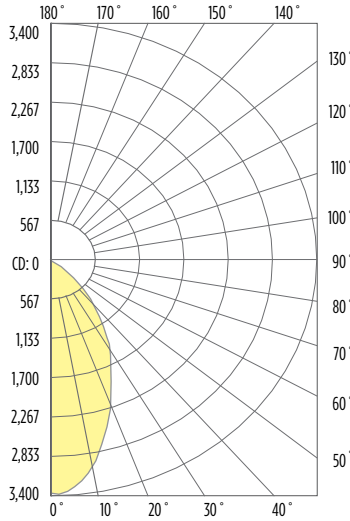
ADL FS2 6R WHT

Lumens: 3,932
Watts: 31
Efficacy: 127

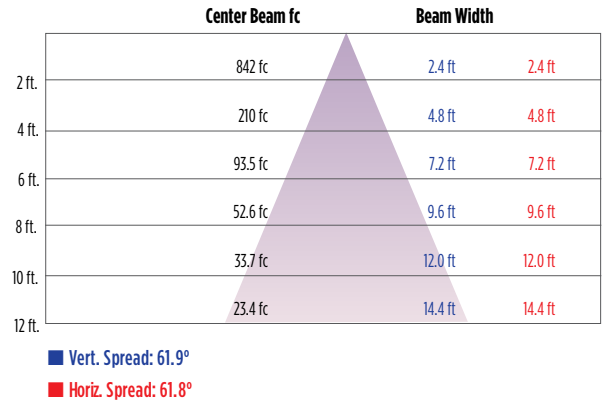
Zonal Lumen Summary		
Zone	Lumens	%Fixture
0-10	310	7.9%
10-20	775	19.7%
20-30	949	24.1%
30-40	898	22.8%
40-50	653	16.6%
50-60	292	7.4%
60-70	52	1.3%
70-80	2	0.0%
80-90	0	0.0%
90-100	0	0.0%
0-180	3,932	100%

Candela Table	
Degree Vertical	Candela
0	3366
5	3323
10	3100
15	2772
20	2411
25	2064
30	1742
35	1441
40	1132
45	843
50	567
55	327
60	143
65	40
70	7
75	1
80	1
85	0
90	0

Polar Candela Distribution



Illuminance at a Distance



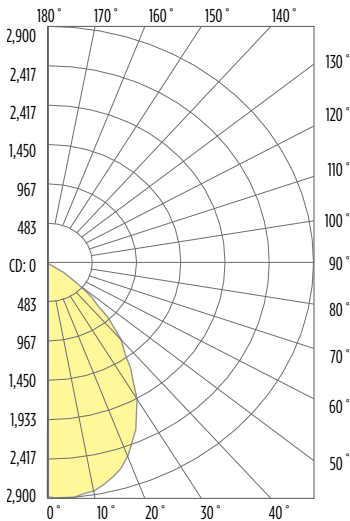
ADL FS2 8R WHT

Lumens: 5,149
Watts: 38
Efficacy: 136

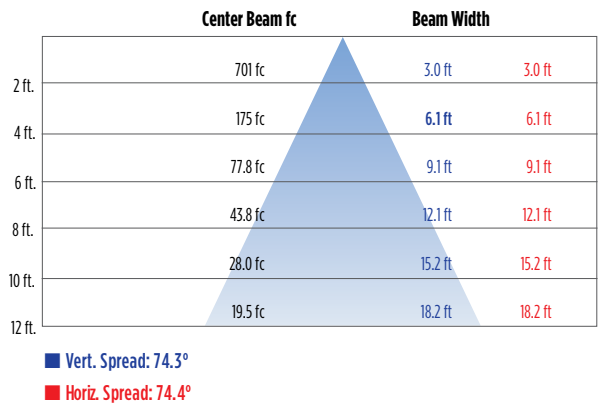
Zonal Lumen Summary		
Zone	Lumens	%Fixture
0-10	266	6.7%
10-20	742	18.8%
20-30	1,003	25.4%
30-40	965	24.4%
40-50	689	17.4%
50-60	261	6.6%
60-70	24	0.6%
70-80	1	0.0%
80-90	0	0.0%
90-100	0	0.0%
0-180	3,950	100.0%

Candela Table	
Degree Vertical	Candela
0	3373
5	3330
10	3106
15	2777
20	2416
25	2068
30	1746
35	1444
40	1135
45	845
50	568
55	328
60	142
65	40
70	7
75	2
80	2
85	0
90	0

Polar Candela Distribution



Illuminance at a Distance



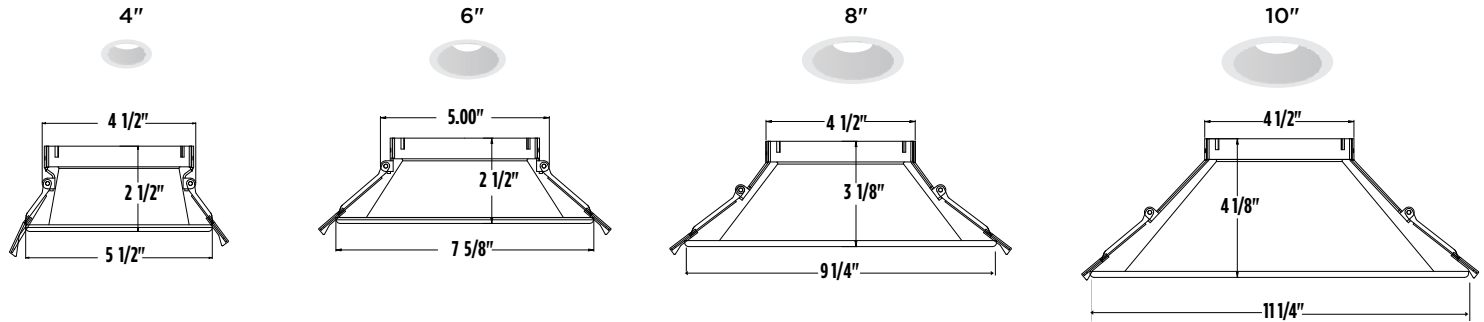
Advantage Downlights (ADL)

Type: _____

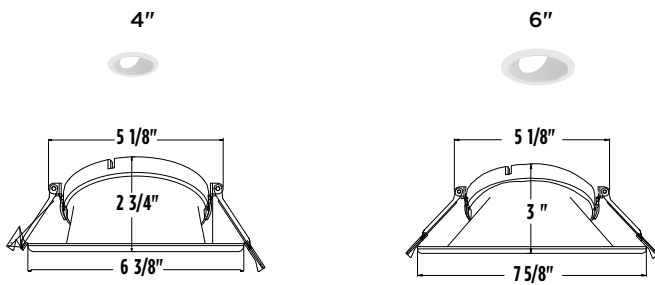
 Have questions? Call us at (800) 436-7800

PRODUCT DIMENSIONS

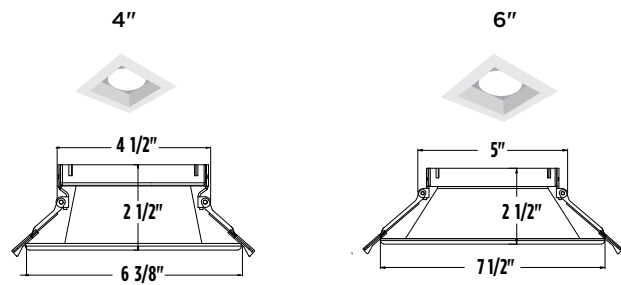
ROUND TRIMS



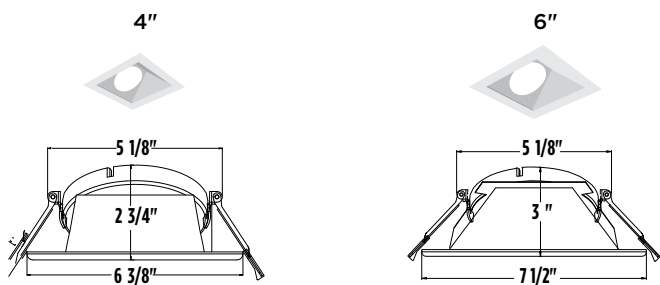
ROUND WALL WASH TRIM



SQUARE TRIM

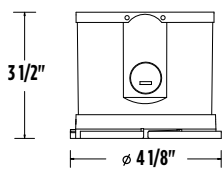


SQUARE WALL WASH TRIM

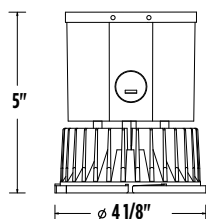


ENGINE

OPTIONAL NEW CONSTRUCTION FRAME KITS



20W NON-IC



40W NON-IC

