

DATE

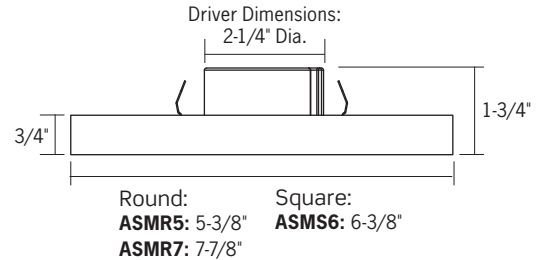
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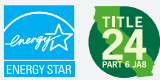
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# ASM SERIES | ArchiThin Surface Mount Downlights



**DISCONTINUED ITEM:  
LIMITED INVENTORY**  
Consult Factory for Availability



	ASMR5	ASMR7	ASMS6
SIZE	5-Inch	7-Inch	6-Inch
SHAPE	Round	Round	Square
WATTAGE	12W	17W	16W
LUMEN OUTPUT <sup>1</sup>	890Lm	1280Lm	1260Lm
COLOR TEMPERATURE	3000K		
CRI	90		
SYSTEM RATING	50,000 Hours @ 70% Lumen Maintenance		
DRIVER INPUT WATTAGE	12W	17W	12W
DRIVER INPUT VOLTAGE	120-277 VAC, 50/60Hz		
DIMMING TYPE	Triac/ELV Dimming 0-10V Dimming		
LISTING	 cETLus Listed Suitable for Wet Locations (Covered Ceiling) ENERGY STAR® Certified Can be used to comply with the 2019 Title 24 Part 6 JA8 High Efficacy LED Light Source Requirements Suitable for use in closets when installed in accordance with NFPA® 70, NEC® Section 410.16(A)(1) and 410.2		
WARRANTY	Five (5) year replacement after date of purchase		

1. Lumen values are approximate, see photometric test results

## ORDERING INFORMATION

Example Order:  -

### Fixture

**ASMR5** - 5-Inch Round  
**ASMR7** - 7-Inch Round  
**ASMS6** - 6-Inch Square

### Color Temp

90+ CRI  
**30KC** - 3000K

### Driver/Dimming

**MVD1** - 120-277V Triac/ELV Dimming  
**MVD2** - 120-277V 0-10V Dimming

### Finish

**W** - White

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## PRODUCT DETAILS

### Construction

- Available in 5- or 7-inch Round and 6-inch Square; cast aluminum frame, White Finish
- Mounts to NEC approved 4-inch Round or Octagon Junction Box with minimum depth of 2-1/8-inch
- Easy installation with Driver pre-assembled on Mounting Plate
- Color Temperature of 3000K, 90 CRI
- 120-277V Integrated Drivers with Triac/ELV or 0-10V Dimming

### Performance Summary

- Slim architectural design with optical diffusion lens providing even illumination
- Edge-lit LED configuration for low glare light pattern
- 5-inch Round: 12W, 890 Delivered Lumens
- 7-inch Round: 17W, 1280 Delivered Lumens
- 6-inch Square: 16W, 1260 Delivered Lumens

## DIMMING SPECIFICATIONS

**MVD1** Driver Option dims with Forward Phase (TRIAC) or Reverse Phase (ELV) Dimmers; 120V only.

**MVD2** Driver Option dims using 0-10V Dimmers.

### RECOMMENDED DIMMERS FOR DIMMING DOWN TO 4%:

Leviton 6631	Leviton IPL06-10Z	Leviton DSL06-1LZ
Leviton 6674	Leviton IPE04-1LZ	Leviton IP710-LFZ
Lutron DVCL-153P	Lutron SCL-153P	Lutron DV-600P
Lutron DV-603P	Lutron DSL06	Lutron RRD-10ND

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## PHOTOMETRICS

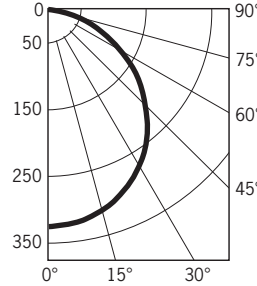
### ASMR530KCMVD1: 5-Inch Round, 3000K 90CRI, 120–277V Phase Dimming

Fixture Delivered Lumens: 894.2  
 Total Watts@120V: 11.1  
 Lumens Per Watt: 80.6  
 Center Beam Candle Power: 327  
 Beam Distribution: 108.9°  
 Spacing Criterion: 1.36  
 Color Rendering Index (CRI)<sup>1</sup>: 93.4  
 Color Temperature (CCT)<sup>2</sup>: 2906K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>  
 LM-63 Test No. G21110904  
 LM-79 Test No. S21110802

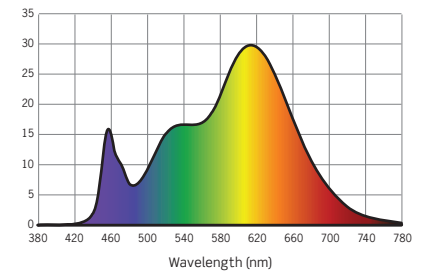
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	9.1	16.8
8 FT	5.1	22.4
10 FT	3.3	28.0
12 FT	2.3	33.6
14 FT	1.7	39.2
16 FT	1.3	44.8

Candela Curve



Spectral Power Distribution Chart<sup>4</sup>



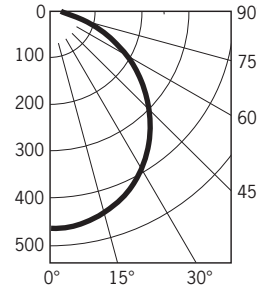
### ASMR730KCMVD1: 7-Inch Round, 3000K 90CRI, 120–277V Phase Dimming

Fixture Delivered Lumens: 1286.9  
 Total Watts@120V: 15.4  
 Lumens Per Watt: 83.6  
 Center Beam Candle Power: 466  
 Beam Distribution: 109.6°  
 Spacing Criterion: 1.36  
 Color Rendering Index (CRI)<sup>1</sup>: 93.4  
 Color Temperature (CCT)<sup>2</sup>: 2906K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>  
 LM-63 Test No. G21110902  
 LM-79 Test No. S21110802

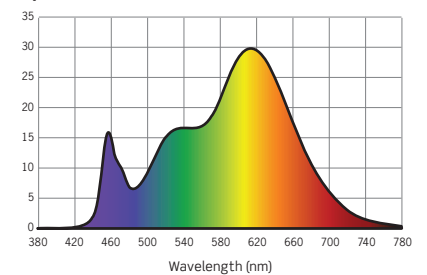
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	12.9	17.0
8 FT	7.3	22.7
10 FT	4.7	28.4
12 FT	3.2	34.0
14 FT	2.4	39.7
16 FT	1.8	45.4

Candela Curve



Spectral Power Distribution Chart<sup>4</sup>



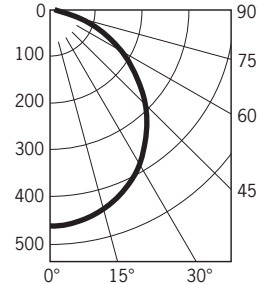
### ASMS630KCMVD1: 6-Inch Square, 3000K 90CRI, 120–277V Phase Dimming

Fixture Delivered Lumens: 1264.0  
 Total Watts@120V: 15.6  
 Lumens Per Watt: 81.0  
 Center Beam Candle Power: 460  
 Beam Distribution: 109.1°  
 Spacing Criterion: 1.25  
 Color Rendering Index (CRI)<sup>1</sup>: 93.4  
 Color Temperature (CCT)<sup>2</sup>: 2906K  
 Designed for 50,000 Hour Lamp Life<sup>3</sup>  
 LM-63 Test No. G21110905  
 LM-79 Test No. S21110802

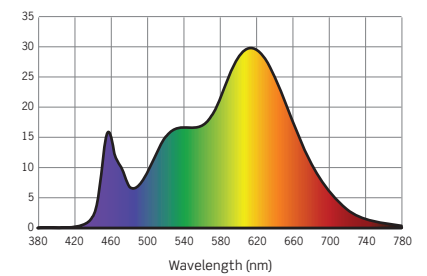
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	12.8	16.9
8 FT	7.2	22.5
10 FT	4.6	28.1
12 FT	3.2	33.7
14 FT	2.3	39.3
16 FT	1.8	45.0

Candela Curve



Spectral Power Distribution Chart<sup>4</sup>



1. Accuracy of Rendering Colors 2. Color Appearance of Light Source 3. Dependent on Surrounding Temperatures 4. Colors Present within the Light Source

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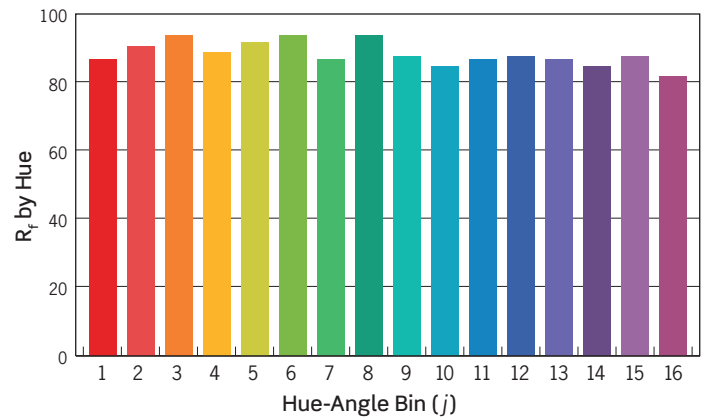
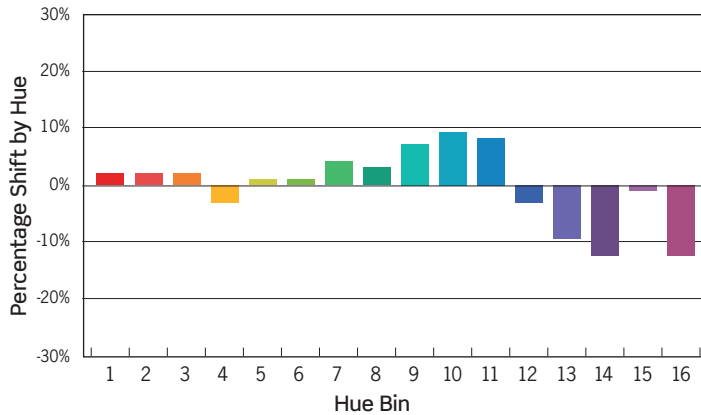
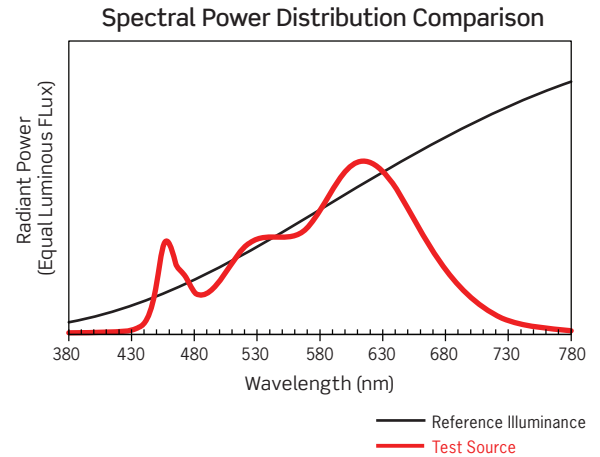
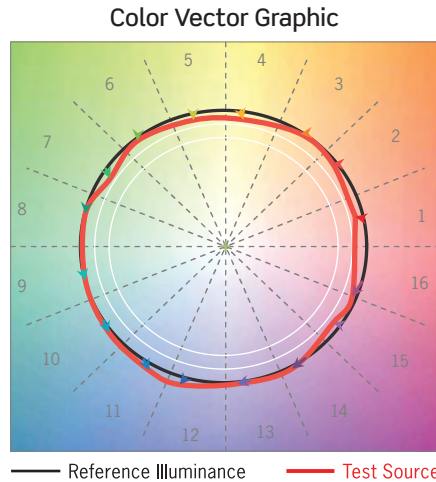
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## TM-30 DATA

### ASMR730KCMVD1: 7-Inch Round, 3000K 90CRI, 120-277V Phase Dimming

ANSI/IES TM-30-18 Color Rendition Report Test No. S21110802

$R_f$	90
$R_g$	97
CCT(K)	2906K
$D_{uv}$	-0.0003
$u^l$	0.2541
$v^l$	0.5228



HUE BIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
HUE SHIFT	2%	2%	2%	-3%	1%	1%	4%	3%	7%	9%	8%	-3%	-9%	-12%	-1%	-12%
$R_f$ VALUE	88	92	95	90	93	95	88	95	89	86	88	89	88	86	89	83

Colors are for visual orientation purposes only