

# Ardito LED - A2RSF

2-1/2" Series

## Ultra-Thin Profile Round Regressed Shower Trim

Project \_\_\_\_\_

Notes \_\_\_\_\_

Fixture Type \_\_\_\_\_

Date \_\_\_\_\_



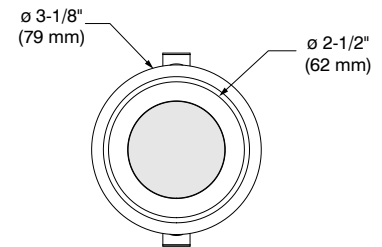
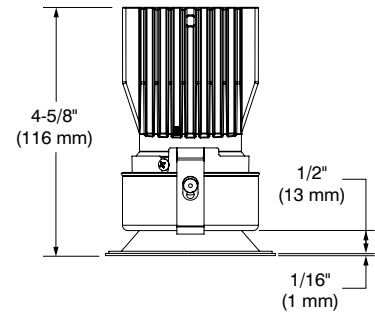
A2RSF-22-XXX (illustrated)

Ultra-Thin Profile Round Regressed Shower Trim 2-1/2" high efficiency dimmable LED downlight. Offered in Remodel configuration (NON-IC), with optional mounting plate for new construction configuration (NON-IC) and new construction (IC).



### SPECIFICATIONS

TRIM DETAILS	<p>Requires a 5" (127 mm) clearance beyond the ceiling level when used with remodel housing.</p> <p>Each part of the housing should be at LEAST 3" (76 mm) from insulation (non-IC configurations)</p> <p>Can fit in ceiling from 1/2" (12 mm) to 1-3/8" (35 mm) thick</p> <p>Accessible from below the ceiling for ease of maintenance.</p>
HEAT SINK	<p>High quality injection molded aluminum heat sink ensuring maximum heat dissipation for optimal performance.</p>
CEILING CUTOUT	<p><b>ø 2-5/8" (67 mm)</b></p>
CERTIFICATION	<ul style="list-style-type: none"> <li>• cULus <b>E343977</b> for wet locations</li> <li>• Certified under California Energy Commission according to reference joint Appendix 8 (JA8-2016)</li> <li>• Certified Air Tight ASTM E283</li> </ul>
WARRANTY	<p>1 year on components against manufacturing defects</p> <p>5 years on LED arrays and drivers</p>



## SPECIFICATION SHEET


**Ardito LED - A2RSF**

2-1/2" Series

**Ultra-Thin Profile Round Regressed Shower Trim**

## SPÉCIFICATIONS (SUITE)

COMPATIBLE  
HOUSINGS

	Remodel Housing	Insulated Air Tight Housing (Title 24)
<b>Performance 1 (14W)</b>	REA2V1	ICAT0R2-ARV1 

For dimming, please visit our Web site frequently to find our suggested compatible dimmers: [www.contrastlighting.com](http://www.contrastlighting.com)

## LIGHT ENGINE

**STANDARD (SOLID WHITE)**

Lumileds Luxeon CoB 1205 GEN3.

L<sub>70</sub> @ 50,000 hours of operation.

3-Step MacAdam ellipse (3 SDCM)

Color Temperatures: 2,700K - 3,000K - 3,500K - 4,000K

CRI: 90+ (93 typical)

R9: &gt;50

Delivered Lumens: Performance 1 (14W) **with clear lens** - 976 lumens @ 3,000K, 68.7 lm/WPerformance 1 (14W) **with frosted lens** - 823 lumens @ 3,000K, 57.9 lm/W

Power Supply: 120V / 277V (universal input)

One driver available in performance 1 (14W) and offering 2 dimming options within the same unit:


ELV: 120V only

0-10V: 120V / 277V

Consult housing specification sheet for more details.

## OPTIC SYSTEM

Interchangeable optional optical lenses available to customize your lighting.

**Choice of available lenses:****Clear (C)** **Frosted (F)****Standard**

Flood (L) — with clear lens	45°
Flood (L) — with frosted lens	49°

**Average beam shown. Consult .ies files on our Web site for more details.**

FLANGE AND  
REFLECTOR  
FINISHES

Powder coat painted or plated die formed steel.

**Different finishes available:**

24K Gold Plated **(-03)**, Chrome **(-04)**, Brushed Chrome **(-04BR)**, Matte White **(-11)**, Brushed Nickel **(-12BR)**, Satin Nickel **(-13)**, Matte Black **(-22)** and Polar Grey **(-25)**

**CONTRASTE**

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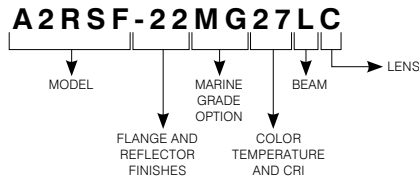
## SPECIFICATION SHEET

**Ardito LED - A2RSF**

2-1/2" Series

**Ultra-Thin Profile Round Regressed Shower Trim**

## CODIFICATION EXAMPLE

ORDERING CODES **A2RSF**

MODEL	FLANGE AND REFLECTOR FINISHES	MARINE GRADE	COLOR TEMPERATURES AND CRI	BEAMS	LENSES
<b>A2RSF</b>				<b>L</b>	
<b>A2RSF</b>	<b>-03</b> 24K Gold Plated	<b>MG</b> (optional)	<b>27</b> 2,700K (90+ CRI)	<b>L</b> Flood with clear lens (45°)	<b>C</b> Clear
	<b>-04</b> Chrome	May be applied on finishes:	<b>30</b> 3,000K (90+ CRI)	Flood with frosted lens (49°)	<b>F</b> Frosted
	<b>-04BR</b> Brushed Chrome	-11, -22 and -25	<b>35</b> 3,500K (90+ CRI)		
	<b>-11</b> Matte White		<b>40</b> 4,000K (90+ CRI)		
	<b>-12BR</b> Brushed Nickel				
	<b>-13</b> Satin Nickel				
	<b>-22</b> Matte Black				
	<b>-25</b> Polar Grey				

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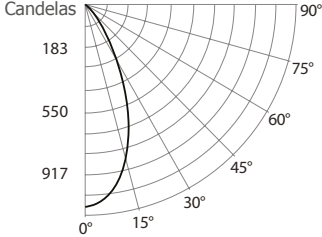
Ultra-Thin Profile Round Regressed Shower Trim

PHOTOMETRIC DATA



### 3,000K, 90+ CRI, Flood, performance 1 — WITH CLEAR LENS

**CANDLEPOWER DISTRIBUTION**



**LIGHT CONE**

Distance	FC	DIA
06'	50.9	5.0
08'	28.6	6.7
10'	18.3	8.3
12'	12.7	10.0
14'	9.3	11.7
16'	7.2	13.4

Beam: 45°  
Beam Edge defined as 50% of Maximum Nadir Candle-power.

**LUMINAIRE**

Performance 1 LED	3,000K Flood
CBCP / Lumens	1,832 / 976
Watts	120V 277V 14.2W 14.7W
Operating AMPS	0.12A 0.053A
Lumen Maintenance	L70 @ 50,000 Hrs
CRI	90+
Lumens/Watt	68.7
Spacing Criteria	0.99

**COEFFICIENT OF UTILIZATION - %**

Ceiling Reflect %	80	50	30
Wall Reflect %	50	30	50
RCR	0	119	119
	111	111	106
	106	98	98
	98	98	96
	92	88	87
	88	88	87
	80	80	79
	79	79	79
	72	76	72
	72	76	72
	66	70	66
	66	70	66

Zonal Cavity Method  
Effective Floor Cavity Reflectance 20%

**ZONAL LUMEN SUMMARY**

ZONE	LUMENS	%LUMINAIRE
0-30	889.2	91.1%
0-40	972.2	99.9%
0-60	975.6	100%
60-90	0.4	0%
0-90	976	100%

**MULTIPLE UNIT DATA - (RCR 2)**

SPACING ON CENTER	INITIAL FOOTCANDLES	WATTS/ SQ. FT.
5'	46	0.63
6'	26	0.35
7'	18	0.25
8'	18	0.25
9'	11	0.16

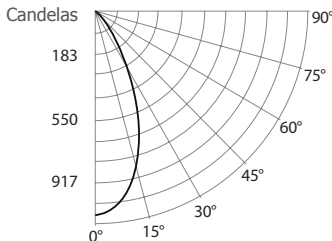
38' x 38' x 10' Room. Workplan located 2-1/2' (30").  
Reflectance factor 80%/50%/30%

**CANDELAS DISTRIBUTION**

DEGREES/ VERTICAL	CANDELAS	DEGREES/ VERTICAL	CANDELAS
0	1,832	40	14
5	1,793	50	1
10	1,666	60	0
15	1,440	70	0
20	1,119	80	0
25	737	90	0
30	370		

### 3,000K, 90+ CRI, Flood, performance 1 — WITH FROSTED LENS

**CANDLEPOWER DISTRIBUTION**



**LIGHT CONE**

Distance	FC	DIA
06'	28.2	5.5
08'	15.9	7.3
10'	10.2	9.1
12'	7.1	11.0
14'	5.2	12.8
16'	4.0	14.6

Beam: 49°  
Beam Edge defined as 50% of Maximum Nadir Candle-power.

**LUMINAIRE**

Performance 1 LED	3,000K Flood
CBCP / Lumens	1,055 / 823.0
Watts	120V 277V 14.2W 14.7W
Operating AMPS	0.17A 0.075A
Lumen Maintenance	L70 @ 50 000 Hrs
CRI	90+
Lumens/Watt	57.9
Spacing Criteria	0.77

**COEFFICIENT OF UTILIZATION - %**

Ceiling Reflect %	80	50	30
Wall Reflect %	50	30	50
RCR	0	119	119
	111	111	106
	106	93	93
	93	93	91
	87	84	82
	82	79	82
	78	79	82
	72	69	72
	68	69	72
	65	66	65
	60	66	60
	58	54	58
	53	54	53

Zonal Cavity Method  
Effective Floor Cavity Reflectance 20%

**ZONAL LUMEN SUMMARY**

ZONE	LUMENS	%LUMINAIRE
0-30	543.7	66.1%
0-40	689.7	83.8%
0-60	790.8	96.1%
60-90	32.2	3.9%
0-90	823.0	100%

**MULTIPLE UNIT DATA - (RCR 2)**

SPACING ON CENTER	INITIAL FOOTCANDLES	WATTS/ SQ. FT.
5'	37	0.59
6'	21	0.33
7'	14	0.23
8'	14	0.23
9'	9	0.15

38' x 38' x 10' Room. Workplan located 2-1/2' (30").  
Reflectance factor 80%/50%/30%

**CANDELAS DISTRIBUTION**

DEGREES/ VERTICAL	CANDELAS	DEGREES/ VERTICAL	CANDELAS
0	1,055	40	145
5	1,016	50	51
10	930	60	26
15	805	70	15
20	653	80	5
25	494	90	0
30	346		