

# Ardito LED - A2RSF

2-1/2" Series

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

Project \_\_\_\_\_  
 Notes \_\_\_\_\_  
 Fixture Type \_\_\_\_\_  
 Date \_\_\_\_\_



A2RSF-22-XXX (illustrated)

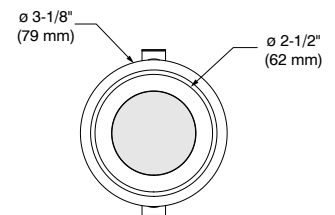
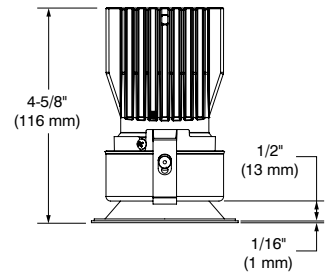
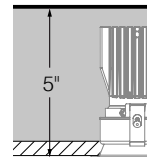
Ultra-Thin Profile Round Regressed Shower Trim 2-1/2" high efficiency dimmable LED downlight. Offered in Remodel configuration (NON-IC) or with optional mounting plate for new construction configuration (NON-IC).



## SPECIFICATIONS

COLOR TEMPERATURES	2,700K - 3,000K - 3,500K - 4,000K
CRI	90+
POWER SUPPLY	120V - 277V One driver available in performance 1 (14W) and offers 2 dimming options: ELV: 120V (14W) (120V only) 0-10V: 120V (14W) (120V only) Consult housing specification sheet for more details.

**HOUSING DETAILS**  
 Requires a 5" (127 mm) clearance beyond the ceiling level.  
 Each part of the housing should be at LEAST 3" (76 mm) from insulation.  
 Can fit in 1/2" (12 mm) to 1-3/8" (35 mm) thick ceiling.  
 Junction Box is accessible from below the ceiling for ease of maintenance.



### Remodel Housing

COMPATIBLE HOUSING

<b>Performance 1</b>	REA2V1
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For dimming, please visit our Web site frequently to find our dimmer compatibility list: [www.contrastlighting.com](http://www.contrastlighting.com)

DELIVERED LUMENS

**Performance 1 (14W):** 823 lumens @ 3,000K, 51,6 lm/W

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### SPECIFICATIONS (CONT'D)

LED ARRAY	<p><b>Standard:</b> Lumileds Luxeon CoB 1203 GEN2 delivers a lumen maintenance greater than 70% after 50,000 hours of operation (L<sub>70</sub>) and provides a high quality true color and a clean white light without hot spots. Color binning within 3 steps on MacAdam ellipse which surpasses ANSI binning requirements.</p>				
TRIM FINISHES	<p>Powder coated paint or plated die formed steel. Different finishes available: 24K Gold Plated <b>(-03)</b>, Chrome <b>(-04)</b>, Brushed Chrome <b>(-04BR)</b>, Matte White <b>(-11)</b>, Brushed Nickel <b>(-12BR)</b>, Satin Nickel <b>(-13)</b> and Matte Black <b>(-22)</b></p> <p>Interchangeable optional optical reflectors and lenses available to customize your lighting. <b>Choice of available lens:</b> Frosted <b>(F)</b> (included)</p>				
OPTIC SYSTEM	<p><b>Optical reflector available:</b></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="2" style="text-align: center;">Beam</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Flood <b>(W)</b></td> <td style="text-align: center;">49°</td> </tr> </tbody> </table> <p><b>Average beam shown. Consult .ies files on our Web site for more details.</b></p>	Beam		Flood <b>(W)</b>	49°
Beam					
Flood <b>(W)</b>	49°				
HEAT SINK	High quality aluminum injected heat sink ensuring maximum heat dissipation				
THERMAL PROTECTION	Performance 1: TC 194°F (90°C)				
CEILING CUTOUT	<b>ø 2-5/8" (67 mm)</b>				
CERTIFICATION	<ul style="list-style-type: none"> <li>cULus <b>E343977</b> for wet locations</li> <li>Certified Air Tight ASTM E283</li> </ul>				
WARRANTY	<p>1 year on components against manufacturing defects 5 years on LED arrays and drivers</p>				

# CONTRASTE

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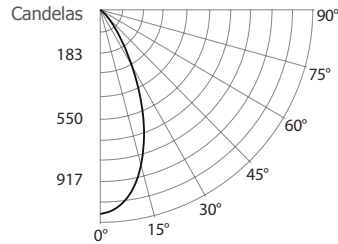
Ultra-Thin Profile Round Regressed Shower Trim

PHOTOMETRIC DATA



**3,000K, 90+ of CRI, Flood, performance 1**

**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**

<b>Performance 1 LED</b>	3,000K Flood	
<b>CBCP / Lumens</b>	1 055	/ 823.0
<b>Watts</b>	<b>120V</b>	<b>277V</b>
	20,42W	20,92W
<b>Operating AMPS</b>	0.17A	0.075A
<b>Lumen Maintenance</b>	L70 @ 50 000 Hrs	
<b>CRI</b>	90+	
<b>Lumens/Watt</b>	51.6	
<b>Spacing Criteria</b>	0.77	

**COEFFICIENT OF UTILIZATION - %**

Ceiling Reflect %	80		50		30		
Wall Reflect %	50	30	50	30	50	30	
<b>RCR</b>	0	119	119	111	111	106	106
	2	101	97	96	93	93	91
	4	87	81	84	79	82	78
	6	76	70	74	69	72	68
	8	67	61	66	60	65	60
	10	60	54	59	54	58	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

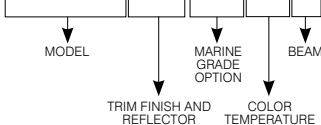
38' x 38' x 10' Room. Workplan located 2-1/2' (30").  
Reflectance factor 80%/50%/30%

**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		

**CODIFICATION EXAMPLE**

**A 2 R S F - 1 1 M G 2 7 W**



**ORDERING CODE A2RSF**

MODEL	TRIM AND REFLECTOR FINISHES	MARINE GRADE	COLOR TEMPERATURES	BEAM
<b>A2RSF</b>				<b>W</b>
<b>A2RSF</b>	<b>-03</b> 24K Gold Plated	<b>MG</b> (optional)	<b>27</b> 2,700K	<b>W</b> Flood (49°)
	<b>-04</b> Chrome	May be applied	<b>30</b> 3,000K	
	<b>-04BR</b> Brushed Chrome	on finishes:	<b>35</b> 3,500K	
	<b>-11</b> Matte White	-11 and -22	<b>40</b> 4,000K	
	<b>-12BR</b> Brushed Nickel			
	<b>-13</b> Satin Nickel			
	<b>-22</b> Matte Black			