

# Ardito LED - A4RSF

4" Series

## Ultra-Thin Profile Round Regressed Shower Trim

Project \_\_\_\_\_

Notes \_\_\_\_\_

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

Date \_\_\_\_\_



**WITH FLANGE**

A4RSF-2222 - XXX (illustrated)



**FLANGELESS TRIM**

A4RSF-TR22 - XXX (illustrated)

Round, 4" high efficiency regressed shower dimmable LED downlight trim. May be installed with a low profile ultra-thin flange or flangeless trim in configuration for insulated, non-insulated and remodel (non-IC) ceilings.

### SPECIFICATIONS

COLOR TEMPERATURES 2,700K - 3,000K - 3,500K - 4,000K

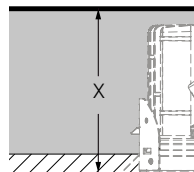
CRI 90+

POWER SUPPLY 120V - 277V  
 One driver model available in two performances (14W and 23W) and offering 2 dimming options:  
 ELV: 120V (14W and 23W) (120V only)  
 0-10V: 120V (14W and 23W) (120V only)  
 Consult housing specification sheet for more details

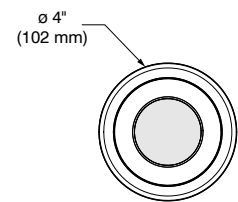
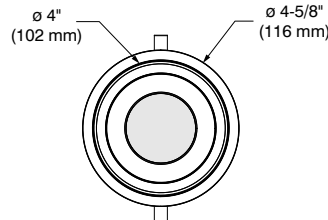
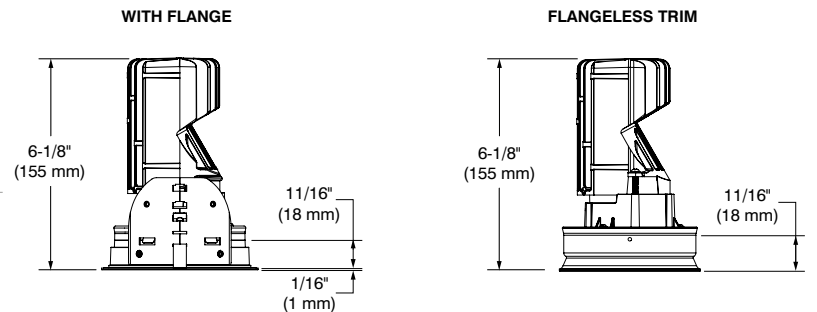
Requires a 6-1/2" (165 mm) clearance beyond the ceiling level 0.036" (0.91 mm) galvanized steel housing

### HOUSING DETAILS

Perfect fit into ceiling



Each part of the housing should be at LEAST 3" (76 mm) from insulation (non-IC configurations)  
 Can fit in ceilings up to 1-1/2" (38 mm) thick  
 Junction box is accessible from below the ceiling for ease of maintenance



# Ardito LED - A4RSF

4" Series

## Ultra-Thin Profile Round Regressed Shower Trim



### SPECIFICATIONS (CONT'D)

	Remodel Housing	New Construction Housing	Insulated Housing	Ceiling thickness suggested for insulated housing as a using standard.
COMPATIBLE HOUSINGS	<b>Performance 1</b>	REA4V1	NWA4RV1	* ISA4RV1
	<b>Performance 2</b>	REA4V2	NWA4RV2	* ISA4RV2

\* Ceiling thickness must be at least 1/4" (6.4 mm) for insulated housing as a using standard.

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

MUD-IN-PLATE **MIPA4R** (sold separately)  
Consult housing specification sheet for more details.

DELIVERED LUMENS **Performance 1 (14W) Standard:** 1,055 lumens @ 3,000K, 45.7 lm/W  
**Performance 2 (23W) Standard:** 1,524 lumens @ 3,000K, 66.13 lm/W

LED ARRAY **Standard:**  
Lumileds Luxeon CoB 1205 GEN2 or CoB 1203 GEN2 (Spot Beam Only) delivers a lumen maintenance greater than 70% after 50,000 hours of operation ( $L_{70}$ ) 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.

TRIM FINISHES Powder coated paint 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)** and Matte Black **(-22)**

FLANGELESS TRIM Steel mud-in-plate for flangeless trim, allows you to apply plaster up to Ardito fixture opening edges.  
For this option, please refer to ordering code.

REFLECTOR FINISHES **Specular**  
Clear **(CL)**

**Painted**  
Matte White **(11)**      Natural Anodized Aluminum **(AN)**  
Matte Black **(22)**      Noir **(BK)**

OPTIC SYSTEM Interchangeable optional lenses available to customize your lighting.  
**Choice of available lenses:** Standard - Frosted (included)  
**Lens (sold separately):** Clear, Frosted, Honeycomb, Linear, Pismatic, Solite (refer to page 6 for more details)

\* Consult .ies files on our Website for more details.

# CONTRASTE

1009, rue du Parc Industriel  
Lévis (Québec) G6Z 1C5 Canada  
Tel.: 1-888-839-4624  
Fax.: 1-877-839-7057  
contrastlighting.com  
info@contrastlighting.com

© 2017 Contrast Lighting M.L. Inc.  
All rights reserved

Contrast Lighting M.L. Inc reserves the right to make changes in specifications and/or to discontinue any product at any time without notice or obligation and will not be liable for any consequences resulting from the use of this publication.

## SPECIFICATION SHEET

**Ardito LED - A4RSF**

4" Series

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

## SPECIFICATIONS (CONT'D)

HEAT SINK High quality aluminum injected heat sink ensuring maximum heat dissipation

THERMAL PROTECTION Performance 1: TC 212°F (100°C)  
Performance 2: TC 212°F (100°C)

CEILING CUTOUT **ø 4-1/4" (108 mm)**

CERTIFICATION
 

- cULus **E343977** for wet locations
- Certified Air Tight ASTM E283

WARRANTY
 

- 1 year on components against manufacturing defects
- 5 years on LED arrays and drivers

**CONTRASTE**

1009, rue du Parc Industriel  
Lévis (Québec) G6Z 1C5 Canada  
Tel.: 1-888-839-4624  
Fax.: 1-877-839-7057  
contrastlighting.com  
info@contrastlighting.com

© 2017 Contrast Lighting M.L. Inc.  
All rights reserved

Contrast Lighting M.L. Inc reserves the right to make changes in specifications and/or to discontinue any product at any time without notice or obligation and will not be liable for any consequences resulting from the use of this publication.

# Ardito LED - A4RSF

4" Series

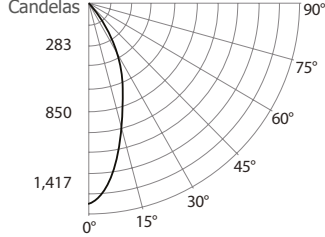
Ultra-Thin Profile Round Regressed Shower Trim

PHOTOMETRIC DATA



## 3,000K, 90+ CRI, Flood, Performance 1

### CANDLEPOWER DISTRIBUTION



### LIGHT CONE

Distance	FC	DIA
04'	98.6	3.2'
08'	24.6	6.4'
12'	11.0	9.6'
16'	6.2	12.9'

**Beam: 44°**  
Beam Edge defined as 50% of Maximum Nadir Candle-power.

### LUMINAIRE

<b>Performance 1 LED</b>	3,000K Flood	
<b>CBCP / Lumens</b>	1,629.9 / 1,055.6	
<b>Watts</b>	<b>120V</b>	<b>277V</b>
	14.08W	14.32W
<b>Operating AMPS</b>	0.19A	0.084A
<b>Lumen Maintenance</b>	L70 @ 50,000 Hrs	
<b>CRI</b>	90+	
<b>Lumens/Watt</b>	45.7	
<b>Spacing Criteria</b>	0.97	

### COEFFICIENT OF UTILIZATION - %

Ceiling Reflect %	80		50		30		
Wall Reflect %	50	30	50	30	50	30	
<b>RCR</b>	0	121	121	113	113	108	108
	2	104	100	99	96	96	94
	4	91	85	88	83	86	82
	6	80	74	78	73	75	72
	8	71	65	70	64	69	64
	10	64	58	63	58	62	57

**Zonal Cavity Method**  
Effective Floor Cavity Reflectance 20%

### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	762.0	71.1%
0-40	941.2	87.9%
0-60	1,059.2	98.9%
60-90	11.9	1.1%
0-90	1,071.0	100%

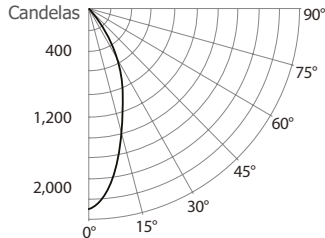
### CANDELAS DISTRIBUTION

DEGREES/ VERTICAL	CANDELAS
0	1,577
5	1,437
10	1,232
15	1,000
20	770
25	560
30	381

DEGREES/ VERTICAL	CANDELAS
40	153
50	57
60	22
70	2
80	0
90	0

## 3,000K, 90+ CRI, Flood, Performance 2

### CANDLEPOWER DISTRIBUTION



### LIGHT CONE

Distance	FC	DIA
04'	142.5	3.2'
08'	35.6	6.5'
12'	15.8	9.7'
16'	8.9	13.0'

**Beam: 44°**  
Beam Edge defined as 50% of Maximum Nadir Candle-power.

### LUMINAIRE

<b>Performance 2 LED</b>	3,000K Flood	
<b>CBCP / Lumens</b>	2,350 / 1,524.3	
<b>Watts</b>	<b>120V</b>	<b>277V</b>
	23.05W	23.29W
<b>Operating AMPS</b>	0.10A	0.08A
<b>Lumen Maintenance</b>	L70 @ 50,000 Hrs	
<b>CRI</b>	90+	
<b>Lumens/Watt</b>	66.13	
<b>Spacing Criteria</b>	0.99	

### COEFFICIENT OF UTILIZATION - %

Ceiling Reflect %	80		50		30		
Wall Reflect %	50	30	50	30	50	30	
<b>RCR</b>	0	121	121	113	113	108	108
	2	104	100	99	96	96	94
	4	91	85	88	83	86	82
	6	80	74	78	73	75	72
	8	71	65	70	64	69	64
	10	64	58	63	58	62	57

**Zonal Cavity Method**  
Effective Floor Cavity Reflectance 20%

### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	1,100.5	71.1%
0-40	1,359.3	87.9%
0-60	1,530.0	98.9%
60-90	16.7	1.1%
0-90	1,546.97	100%

### CANDELAS DISTRIBUTION

DEGREES/ VERTICAL	CANDELAS
0	2,280
5	2,078
10	1,778
15	1,442
20	1,113
25	810
30	552

DEGREES/ VERTICAL	CANDELAS
40	222
50	84
60	31
70	3
80	0
90	0

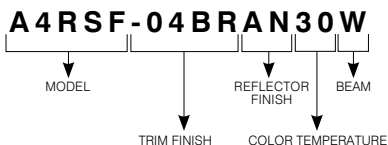
# Ardito LED - A4RSF

4" Series

## Ultra-Thin Profile Round Regressed Shower Trim



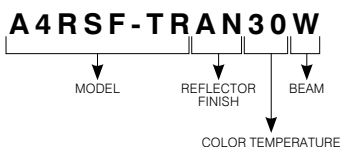
### TRIM WITH FLANGE CODIFICATION EXAMPLE



### TRIM WITH FLANGE ORDERING CODE **A4RSF**

MODEL	TRIM FINISHES	REFLECTOR FINISHES	COLOR TEMPERATURES	BEAM
<b>A4RSF</b>				<b>W</b>
<b>A4RSF</b>	<b>-03</b> 24K Gold Plated	<b>Specular</b>	<b>27</b> 2,700K	<b>W</b> Flood (44°)
	<b>-04</b> Chrome	<b>CL</b> Clear	<b>30</b> 3,000K	
	<b>-04BR</b> Brushed Chrome		<b>35</b> 3,500K	
	<b>-11</b> Matte White	<b>Painted</b>	<b>40</b> 4,000K	
	<b>-12BR</b> Brushed Nickel	<b>11</b> Matte White		
	<b>-13</b> Satin Nickel	<b>22</b> Matte Black		
	<b>-22</b> Matte Black	<b>AN</b> Natural Anodized Aluminum		
		<b>BK</b> Black		

### FLANGELESS TRIM OPTION CODIFICATION EXAMPLE



### FLANGELESS TRIM OPTION ORDERING CODE **A4RSF-TR** (see next page for mud-in-plate ordering code)

MODEL	REFLECTOR FINISHES	COLOR TEMPERATURES	BEAM
<b>A4RSF-TR</b>			<b>W</b>
<b>A4RSF-TR</b>	<b>Specular</b>	<b>27</b> 2,700K	<b>W</b> Flood (44°)
	<b>CL</b> Clear	<b>30</b> 3,000K	
		<b>35</b> 3,500K	
	<b>Painted</b>	<b>40</b> 4,000K	
	<b>11</b> Matte White		
	<b>22</b> Matte Black		
	<b>AN</b> Natural Anodized Aluminum		
	<b>BK</b> Black		

SPECIFICATION SHEET

# Ardito LED - A4RSF

**4" Series****Ultra-Thin Profile Round Regressed Shower Trim**

## ORDERING CODE **for lenses**

For future on-site modifications of the light distribution.

### Lenses (to modify light diffusion)

Clear: **104036**Prismatic: **104039**Frosted: **317240** (included)Honeycomb: **104040**Linear: **104037**Solite: **104038**

## ORDERING CODE **for Mud-in-Plate**

### MIPA4R

Consult housing specification sheet for more details.

# CONTRASTE

1009, rue du Parc Industriel  
Lévis (Québec) G6Z 1C5 Canada  
Tel.: 1-888-839-4624  
Fax.: 1-877-839-7057  
contrastlighting.com  
info@contrastlighting.com

© 2017 Contrast Lighting M.L. Inc.  
All rights reserved

Contrast Lighting M.L. Inc reserves the right to make changes in specifications and/or to discontinue any product at any time without notice or obligation and will not be liable for any consequences resulting from the use of this publication.