

SPECIFICATION SHEET

# Ardito LED - A3RSF

3-1/2" Series

## Ultra-Thin Profile Round Regressed Shower Trim

Project \_\_\_\_\_

Notes \_\_\_\_\_

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

Date \_\_\_\_\_



**WITH FLANGE**

A3RSF-1111 - XXX (illustrated)



**FLANGELESS TRIM**

A3RSF-TR11 - XXX (illustrated)

Round, 3-1/2" 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

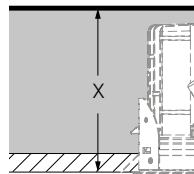
COLOR TEMPERATURES	2,700K - 3,000K - 3,500K - 4,000K
CRI	90+

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

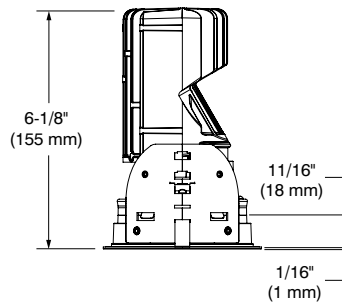
### HOUSING DETAILS

Perfect fit into ceiling

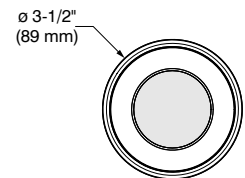
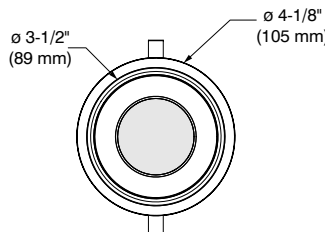
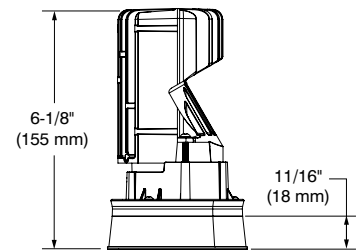


Each part of the housing should be at LEAST 3" (76 mm) from insulation (non-IC configurations)  
Can fit in ceilings up to 1-1/2" (38 mm) thick  
Junction box is accessible from below the ceiling for ease of maintenance

**WITH FLANGE**



**FLANGELESS TRIM**



# 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 - A3RSF

**3-1/2" 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>	REA3V1	NWA3RV1	* ISA3RV1
	<b>Performance 2</b>	REA3V2	NWA3RV2	* ISA3RV2
				* 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

**MIPA3R** (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  
**Lumenetix (12,5W):** up to 700 lumens

## 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)**, Antique Nickel **(-17)**, 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

<b>Specular</b>	<b>Painted</b>	
Clear <b>(CL)</b>	Matte White <b>(11)</b>	Anodized <b>(AN)</b>
	Matte Black <b>(22)</b>	Noir <b>(BK)</b>

## OPTIC SYSTEM

Interchangeable optional lenses available to customize your lighting.  
**Choice of available lenses:** Standard - Frosted (included)  
**Lens (sold separately):** Clear, Frosted, Honeycombs, 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 - A3RSF**

3-1/2" 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	<b>ø 3-3/4" (95 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	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 - A3RSF

3-1/2" Series

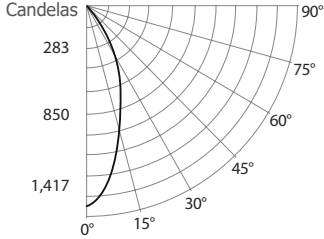
Ultra-Thin Profile Round Regressed Shower Trim

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

Performance 1 LED	3,000K Flood	
CBCP / Lumens	1,629.9 / 1,055.6	
Watts	120V	277V
	14,08W	14,32W
Operating AMPS	0.19A	0.084A
Lumen Maintenance	L70 @ 50,000 Hrs	
CRI	90+	
Lumens/Watt	45.7	
Spacing Criteria	0.97	

### COEFFICIENT OF UTILIZATION - %

Ceiling Reflect %	80		50		30		
Wall Reflect %	50	30	50	30	50	30	
RCR	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%

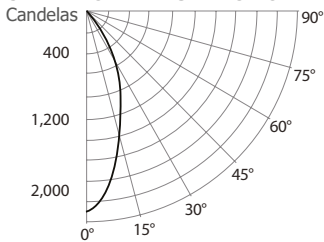
### CANDELAS DISTRIBUTION

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

Performance 2 LED	3,000K Flood	
CBCP / Lumens	2,350 / 1,524.3	
Watts	120V	277V
	23,05W	23,29W
Operating AMPS	0.10A	0.08A
Lumen Maintenance	L70 @ 50,000 Hrs	
CRI	90+	
Lumens/Watt	66.13	
Spacing Criteria	0.99	

### COEFFICIENT OF UTILIZATION - %

Ceiling Reflect %	80		50		30		
Wall Reflect %	50	30	50	30	50	30	
RCR	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

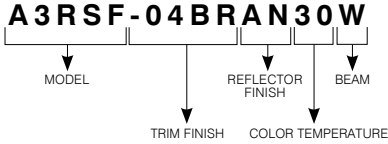
# Ardito LED - A3RSF

3-1/2" Series

## Ultra-Thin Profile Round Regressed Shower Trim



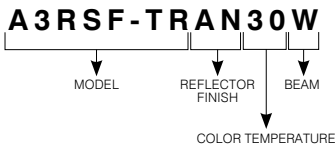
### TRIM WITH FLANGE CODIFICATION EXAMPLE



### TRIM WITH FLANGE ORDERING CODE **A3RSF**

MODEL	TRIM FINISHES	REFLECTOR FINISHES	COLOR TEMPERATURES	BEAM
<b>A3RSF</b>				<b>W</b>
<b>A3RSF</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>-17</b> Antique Nickel	<b>AN</b> Anodized		
	<b>-22</b> Matte Black	<b>BK</b> Black		

### FLANGELESS TRIM OPTION CODIFICATION EXAMPLE



### FLANGELESS TRIM OPTION ORDERING CODE **A3RSF-TR** (see next page for mud-in-plate ordering code)

MODEL	REFLECTOR FINISHES	COLOR TEMPERATURES	BEAM
<b>A3RSF-TR</b>			<b>W</b>
<b>A3RSF-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> Anodized		
	<b>BK</b> Black		

SPECIFICATION SHEET

# Ardito LED - A3RSF

**3-1/2" 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)Honeycombs: **104040**Linear: **104037**Solite: **104038**ORDERING CODE for Mud-in-Plate**MIPA3R**

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.