

SPECIFICATION SHEET

# Ardito LED - A4SSF

## 4" Series

### Ultra-Thin Profile Square Regressed Shower Trim

Project \_\_\_\_\_

Notes \_\_\_\_\_

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

Date \_\_\_\_\_



**WITH FLANGE**

A4SSF-1111 -XXX (illustrated)



**FLANGELESS TRIM**

A4SSF-TR11 -XXX (illustrated)

Square, 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

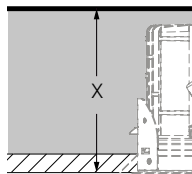
CRI 90+

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

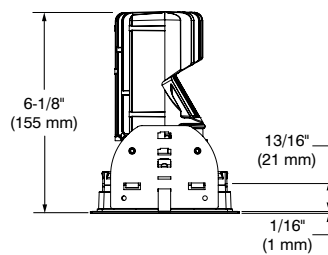
### HOUSING DETAILS

Perfect fit into ceiling

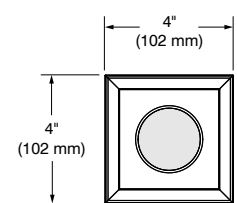
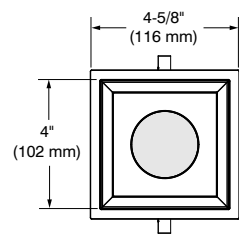
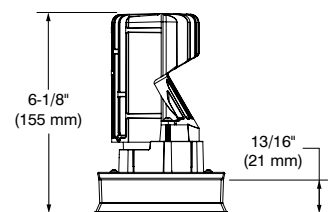


Each part of the housing should be at LEAST 3" (76 mm) from insulation (non-IC configurations)  
 Can fit in ceilings up to 1-1/2" (38 mm) thick  
 Junction box is accessible from below the ceiling for ease of maintenance

**WITH FLANGE**



**FLANGELESS TRIM**



# CONTRASTE

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# Ardito LED - A4SSF

4" Series

## Ultra-Thin Profile Square 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	NWA4SV1	* ISA4SV1
	<b>Performance 2</b>	REA4V2	NWA4SV2	* ISA4SV2

\* 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 **MIPA4S** (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)**, 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 **Painted**  
 Matte White **(11)** Anodized **(AN)**  
 Matte Black **(22)** Noir **(BK)**

Interchangeable optional optical reflectors and lenses available to customize your lighting.

OPTIC SYSTEM **Choice of available lenses:** Standard - Frosted (included)  
**Lens (sold separately):** Clear, Frosted, Honeycombs, Linear, Prismatic, Solite (refer to page 6 for more details)

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

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

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## SPECIFICATION SHEET

**Ardito LED - A4SSF**

4" Series

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

## SPECIFICATIONS (CONT'D)

THERMAL PROTECTION	Performance 1: TC 212°F (100°C) Performance 2: TC 212°F (100°C)
CEILING CUTOUT	<b>4-1/4" (108 mm) x 4-1/4" (108 mm)</b> <b>Included:</b> Cardbord cutout template <b>Optional:</b> Reusable steel cutout template for square trim ( <b>TEMP-SQ</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

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# Ardito LED - A4SSF

4" Series

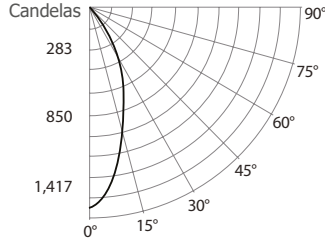
Ultra-Thin Profile Square Regressed Shower Trim

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%

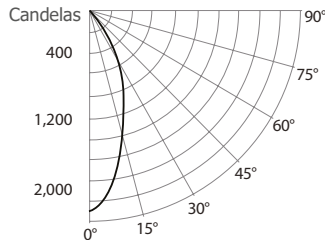
#### CANDELAS DISTRIBUTION

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

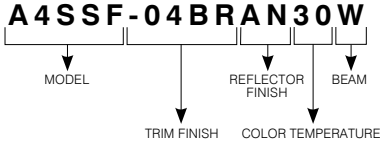
# Ardito LED - A4SSF

4" Series

## Ultra-Thin Profile Square Regressed Shower Trim



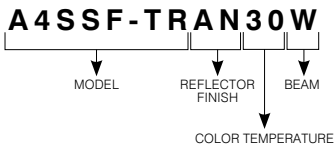
TRIM WITH FLANGE CODIFICATION EXAMPLE



TRIM WITH FLANGE ORDERING CODE **A4SSF**

MODEL	TRIM FINISHES	REFLECTOR FINISHES	COLOR TEMPERATURES	BEAM
<b>A4SSF</b>				<b>W</b>
<b>A4SSF</b>	<b>-03</b> 24K Gold Plated	<b>Painted</b>	<b>27</b> 2,700K	<b>W</b> Flood (44°)
	<b>-04</b> Chrome	<b>11</b> Matte White	<b>30</b> 3,000K	
	<b>-04BR</b> Brushed Chrome	<b>22</b> Matte Black	<b>35</b> 3,500K	
	<b>-11</b> Matte White	<b>AN</b> Anodized	<b>40</b> 4,000K	
	<b>-12BR</b> Brushed Nickel	<b>BK</b> Black		
	<b>-13</b> Satin Nickel			
	<b>-17</b> Antique Nickel			
	<b>-22</b> Matte Black			

FLANGELESS TRIM OPTION CODIFICATION EXAMPLE



FLANGELESS TRIM OPTION ORDERING CODE **A4SSF-TR** (see next page for mud-in-plate ordering code)

MODEL	REFLECTOR FINISHES	COLOR TEMPERATURES	BEAM
<b>A3SSF-TR</b>			<b>W</b>
<b>A4SSF-TR</b>	<b>Painted</b>	<b>27</b> 2,700K	<b>W</b> Flood (44°)
	<b>11</b> Matte White	<b>30</b> 3,000K	
	<b>22</b> Matte Black	<b>35</b> 3,500K	
	<b>AN</b> Anodized	<b>40</b> 4,000K	
	<b>BK</b> Black		

SPECIFICATION SHEET

# Ardito LED - A4SSF

4" Series

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

## ORDERING CODE for lenses replacement

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

### MIPA4S

Consult housing specification sheet for more details.

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