

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

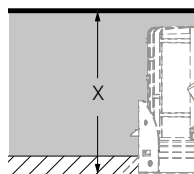
CRI 90+

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

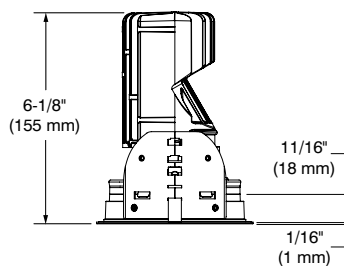
HOUSING DETAILS

Perfect fit into ceiling

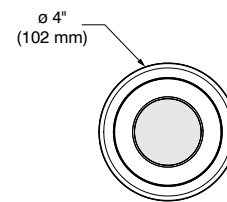
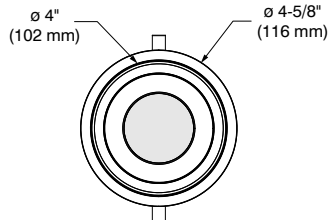
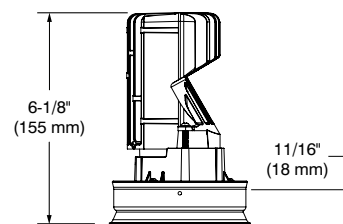


Each part of the housing should be at LEAST 3" (76 mm) from insulation (non-IC configurations)
 Can fit in ceilings up to 1-1/2" (38 mm) thick
 Junction box is accessible from below the ceiling for ease of maintenance

WITH FLANGE



FLANGELESS TRIM



SPECIFICATION SHEET

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SPECIFICATIONS (CONT'D)

	Remodel Housing	New Construction Housing	Insulated Housing	Ceiling thickness suggested for insulated housing as a using standard.
COMPATIBLE HOUSINGS	Performance 1	REA4V1	NWA4RV1	* ISA4RV1
	Performance 2	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

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)**, 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 **Specular**
Clear **(CL)**

Painted
Matte White **(11)** Anodized **(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, Honeycombs, Linear, Pismatic, Solite (refer to page 6 for more details)
*** Consult .ies files on our Website for more details.**

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SPECIFICATION SHEET

Ardito LED - A4RSF

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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

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4" Series

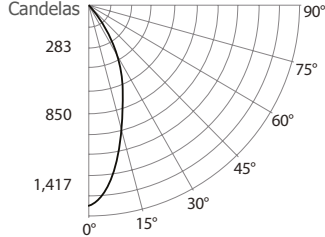
Ultra-Thin Profile Round Regressed Shower Trim

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

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%

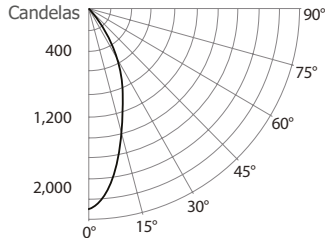
CANDELAS DISTRIBUTION

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

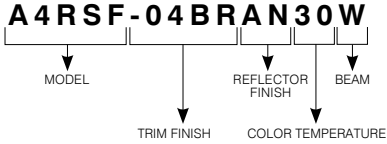
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4" Series

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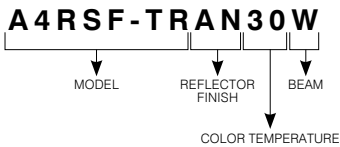
TRIM WITH FLANGE CODIFICATION EXAMPLE



TRIM WITH FLANGE ORDERING CODE **A4RSF**

MODEL	TRIM FINISHES	REFLECTOR FINISHES	COLOR TEMPERATURES	BEAM
A4RSF				W
A4RSF	-03 24K Gold Plated	Specular	27 2,700K	W Flood (44°)
	-04 Chrome	CL Clear	30 3,000K	
	-04BR Brushed Chrome		35 3,500K	
	-11 Matte White	Painted	40 4,000K	
	-12BR Brushed Nickel	11 Matte White		
	-13 Satin Nickel	22 Matte Black		
	-17 Antique Nickel	AN Anodized		
	-22 Matte Black	BK 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
A4RSF-TR			W
A4RSF-TR	Specular	27 2,700K	W Flood (44°)
	CL Clear	30 3,000K	
		35 3,500K	
	Painted	40 4,000K	
	11 Matte White		
	22 Matte Black		
	AN Anodized		
	BK Black		

SPECIFICATION SHEET

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4" Series

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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**

MIPA4R

Consult housing specification sheet for more details.

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