

Ardito LED - A2SSF

2-1/2" Series

Ultra-Thin Profile Square Regressed Shower Trim

Project _____
 Notes _____
 Fixture Type _____
 Date _____



A2SAR-11-XXX (illustrated)

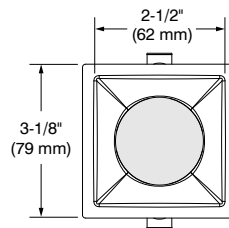
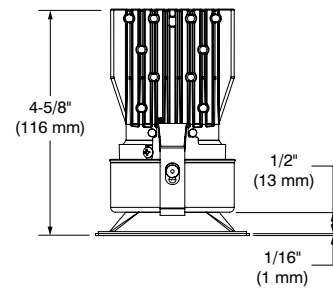
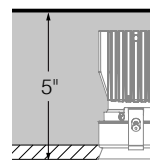
Ultra-Thin Profile Square Regressed Shower Trim 2-1/2" high efficiency dimmable LED downlight. Offered in Remodel configuration (NON-IC) or with optional mounting plate for a new construction configuration (NON-IC).



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 you 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	<table border="1"> <tr> <td>Performance 1</td> <td>REA2V1</td> </tr> </table>	Performance 1	REA2V1
Performance 1	REA2V1		

For dimming, please visit our Web site frequently to find our dimmer compatibility list: www.contrastlighting.com

DELIVERED LUMENS	Performance 1 (14W): 823 lumens @ 3,000K, 51.6 lm/W
------------------	--

Ardito LED - A2SSF

2-1/2" Series

Ultra-Thin Profile Square Regressed Shower Trim



SPECIFICATIONS (CONT'D)

LED ARRAY	<p>Standard: Lumileds Luxeon CoB 1203 GEN2 delivers a lumen maintenance greater than 70% after 50,000 hours of operation (L₇₀) 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 (-03), Brushed Chrome (-04BR), Matte White (-11), Brushed Nickel (-12BR), Satin Nickel (-13), Antique Nickel (-17) and Matte Black (-22)</p>				
OPTIC SYSTEM	<p>Interchangeable optional optical reflectors and lenses available to customize your lighting.</p> <p>Choice of available lenses: Frosted (F) (included)</p> <p>Optical reflector available:</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 (W)</td> <td style="text-align: center;">49°</td> </tr> </tbody> </table> <p>Average beam shown. Consult .ies files on our Web site for more details.</p>	Beam		Flood (W)	49°
Beam					
Flood (W)	49°				
HEAT SINK	High quality aluminum injected heat sink ensuring maximum heat dissipation				
THERMAL PROTECTION	Performance 1: TC 194°F (90°C)				
CEILING CUTOUT	<p>2-5/8" x 2-5/8" (67 mm x 67 mm)</p> <p>Included: Cardbord cutout template Optional: Reusable steel cutout template for square trim (TEMP-SQ)</p>				
CERTIFICATION	<ul style="list-style-type: none"> cULus E343977 for wet locations Certified Air Tight ASTM E283 				
WARRANTY	<p>1 year on components against manufacturing defects 5 years on LED arrays and drivers</p>				

CONTRASTE

Ardito LED - A2SSF

2-1/2" Series

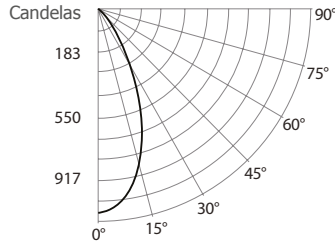
Ultra-Thin Profile Square Regressed Shower Trim

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

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

COEFFICIENT OF UTILIZATION - %

Ceiling Reflect %	80	50	30
Wall Reflect %	50	30	50
RCR	0	119	119
	111	111	106
	106	106	106
	2	101	97
	96	93	93
	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)

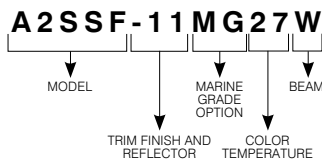
SPACING ON CENTER	INITIAL FOOTCANDLES	WATTS/ SQ. FT.
5'	37	0.59
6'	21	0.33
7'	14	0.23
8'	14	0.23
9'	9	0.15

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



ORDERING CODE A2SSF

MODEL	TRIM AND REFLECTOR FINISHES	MARINE GRADE	COLOR TEMPERATURES	BEAM
A2SSF				W
A2SSF	-03 24K Gold Plated	MG (optional)	27 2,700K	W Flood (49°)
	-04BR Brushed Chrome	May be applied	30 3,000K	
	-11 Matte White	on finishes:	35 3,500K	
	-12BR Brushed Nickel	-11 and -22	40 4,000K	
	-13 Satin Nickel			
	-17 Antique Nickel			
	-22 Matte Black			