

SPECIFICATION SHEET

# Ardito LED - A3SWW

3-1/2" Series

Project \_\_\_\_\_

Notes \_\_\_\_\_

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

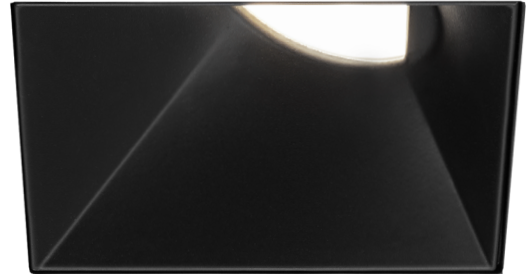
Date \_\_\_\_\_

## Ultra-Thin Profile Square Wall Wash Trim



**WITH FLANGE**

A3SWW-2222 - XXX (illustrated)



**FLANGELESS TRIM**

A3SWW-TR22 - XXX (illustrated)

Square, 3-1/2" high efficiency wall wash dimmable LED. 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

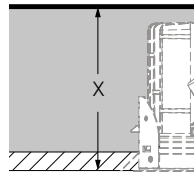
**COLOR TEMPERATURES** 2,700K - 3,000K - 3,500K - 4,000K

**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

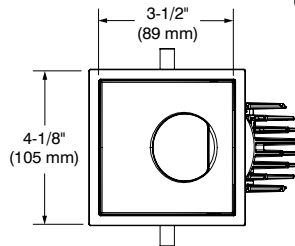
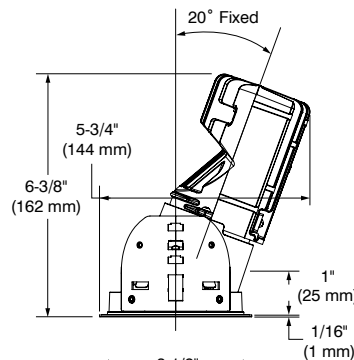
Requires a 6-1/2" (165 mm) clearance beyond the ceiling level for standard using and 7" (178 mm) for Lumenetix option using.  
 0.036" (0.91 mm) galvanized steel housing

**HOUSING DETAILS** Perfect fit into ceiling

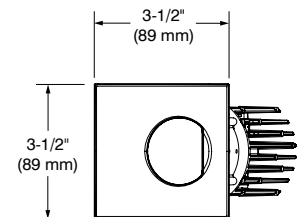
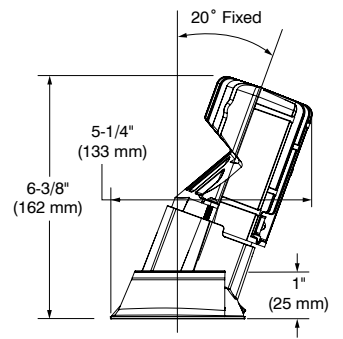


Each part of the housing should be at LEAST 3" (76 mm) from insulation (non-IC configurations)  
 Can fit in ceilings up to 1-1/2" (38 mm) thick  
 Junction box is accessible from below the ceiling for ease of maintenance

**WITH FLANGE**



**FLANGELESS TRIM**



# CONTRASTE

# Ardito LED - A3SWW

3-1/2" Series

## Ultra-Thin Profile Square Wall Wash Trim



### SPECIFICATIONS (CONT'D)

	Remodel Housing	New Construction Housing	Insulated Housing	Ceiling thickness suggested for insulated housing as a using standard and Lumenetix option.
COMPATIBLES HOUSINGS	<b>Performance 1</b>	REA3V1	NWA3SV1	* ISA3SV1
	<b>Performance 2</b>	REA3V2	NWA3SV2	* ISA3SV2
	<b>Lumenetix</b>	REA3VL	NWA3SVL	** ISA3SVL

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

\*\* Ceiling thickness must be at least 3/4" (19 mm) for insulated housing with Lumenetix option.

For dimming, please visit our Web site frequently to find our dimmer compatibility list:

[www.contrastlighting.com](http://www.contrastlighting.com)

### MUD-IN-PLATE

**MIPA3S** (sold separately)

Consult housing specification sheet for more details.

### DELIVERED LUMENS

**Performance 1 (14W) Standard:** 442.8 lumens @ 3,000K, 32.5 lm/W

**Performance 2 (23W) Standard:** 629.3 lumens @ 3,000K, 46 lm/W

**Lumenetix (12.5W):** up to 700 lumens

### LIGHT ENGINE

**Standard:**

Lumileds Luxeon CoB 1205 GEN2 and CoB 1203 GEN2 (Spot Beam Only) deliver a lumen maintenance greater than 70% after 50,000 hours of operation (L<sub>70</sub>). Provide 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.

**Lumenetix Warm Dimming:**

Lumenetix Araya DDM1 Dynamic Dimming Module delivers dimmable white light that warms as it dims, reproducing dimming conditions of a halogen lamp. It allows the user to change the color temperature from 3,050K at full intensity to 1,800K at minimum intensity all this while ensuring a 90+ CRI over the full dimming range.

Lumenetix: 120V - 277V (12.5W)

**Lumenetix Color Tuning:**

Lumenetix Araya CTM1 Color Tuning Module allows the user to program millions of color combinations using a user-friendly Bluetooth application available on iOS mobile devices. The application allows programming of different scenes, colors, and color temperatures while the day-to-day control is ensured by standard 0-10V wall mounted dimmers. 90+ CRI.

Lumenetix: 120V - 277V (12.5W)

### 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.

# CONTRASTE

## SPECIFICATION SHEET

**Ardito LED - A3SWW**

3-1/2" Series

**Ultra-Thin Profile Square Wall Wash Trim**

## SPECIFICATIONS (CONT'D)

REFLECTOR FINISHES	<b>Painted</b> Matte White <b>(11)</b> Natural Anodized Aluminum <b>(AN)</b> * Matte Black <b>(22)</b>	* Recommended for optimum Wall Wash result
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OPTIC SYSTEM	<b>Choice of available lenses:</b> Standard - Frosted / Frosted (included) <b>Lens (for replacement):</b> Standard - Frosted / Frosted (refer to page 7 for more details)
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\* 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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THERMAL PROTECTION	Performance 1: TC 212°F (100°C) Performance 2: TC 212°F (100°C) Lumenetix: TC 90°C (80°C)
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CEILING CUTOUT	<b>3-3/4" (95 mm) x 3-3/4" (95 mm)</b> <b>Included:</b> Cardboard cutout template <b>Optional:</b> Reusable steel cutout template for square trim <b>(TEMP-SQ)</b>
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CERTIFICATION	<ul style="list-style-type: none"> <li>cULus <b>E343977</b> for damp locations</li> <li>Certified Air Tight ASTM E283</li> </ul>
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WARRANTY	1 year on components against manufacturing defects 5 years on LED arrays and drivers
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**CONTRASTE**

# Ardito LED - A3SWW

3-1/2" Series

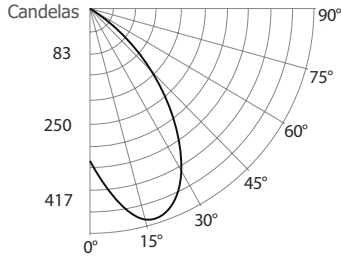
Ultra-Thin Profile Square Wall Wash Trim

PHOTOMETRIC DATA



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

**CANDLEPOWER DISTRIBUTION**



**LIGHT CONE**

Distance	FC	DIA
04'	21.5	4.0'
08'	5.4	8.1'
12'	2.4	12.1'
16'	1.3	16.2'

**Beam: 54°**  
Beam Edge defined as 50% of Maximum Nadir Candle-power.

**LUMINAIRE**

<b>Performance 1 LED</b>	3,000K Flood	
<b>CBCP / Lumens</b>	494	/ 442.8
<b>Watts</b>	<b>120V</b>	<b>277V</b>
	13.2W	13.7W
<b>Operating AMPS</b>	0.11A	0,05A
<b>Lumen Maintenance</b>	L70 @ 50,000 Hrs	
<b>CRI</b>	90+	
<b>Lumens/Watt</b>	32.5	
<b>Spacing Criteria</b>	0,95	

**COEFFICIENT OF UTILIZATION - %**

Ceiling Reflect %	80		50		30		
Wall Reflect %	50	30	50	30	50	30	
<b>RCR</b>	0	112	112	105	105	100	100
	2	94	90	89	86	86	84
	4	79	73	76	71	74	70
	6	67	61	65	59	63	59
	8	58	51	56	51	55	50
	10	50	44	49	44	48	43

**Zonal Cavity Method**

Effective Floor Cavity Reflectance 20%

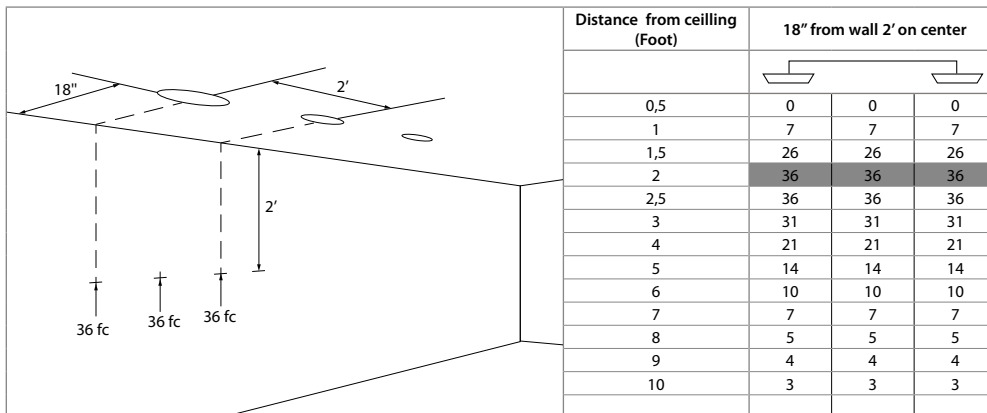
**ZONAL LUMEN SUMMARY**

ZONE	LUMENS	%LUMINAIRE
0-30	230.1	52%
0-40	333.2	75.2%
0-60	434.8	98.2%
60-90	8.0	1.8%
0-180	442.8	100%

**CANDELAS DISTRIBUTION**

DEGREES/ VERTICAL	CANDELAS	DEGREES/ VERTICAL	CANDELAS
0	343	40	278
5	404	50	125
10	458	60	46
15	487	70	3
20	486	80	0
25	461	90	0
30	413		

**Footcandles On Wall - Performance 1**



Note: Footcandles Data

# CONTRASTE

# Ardito LED - A3SWW

3-1/2" Series

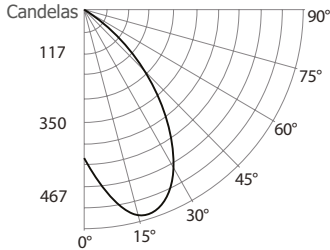
Ultra-Thin Profile Square Wall Wash Trim

PHOTOMETRIC DATA



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

**CANDLEPOWER DISTRIBUTION**



**LIGHT CONE**

Distance	FC	DIA
06'	29.4	4.1'
08'	7.4	8.2'
10'	3.3	12.3'
12'	1.2	16.3'

**Beam: 54°**  
Beam Edge defined as 50% of Maximum Nadir Candle-power.

**LUMINAIRE**

<b>Performance 2 LED</b>	3,000K Flood	
<b>CBCP / Lumens</b>	691	/ 629.3
<b>Watts</b>	<b>120V</b>	<b>277V</b>
	13.63W	13.97W
<b>Operating AMPS</b>	0.11A	0.05A
<b>Lumen Maintenance</b>	L70 @ 50,000 Hrs	
<b>CRI</b>	90+	
<b>Lumens/Watt</b>	46.17	
<b>Spacing Criteria</b>	0.95	

**COEFFICIENT OF UTILIZATION - %**

Ceiling Reflect %	80		50		30		
Wall Reflect %	50	30	50	30	50	30	
<b>RCR</b>	0	112	112	104	104	100	100
	2	94	89	89	86	86	83
	4	79	72	75	70	73	69
	6	67	60	64	59	63	58
	8	57	51	55	50	54	49
	10	50	44	49	43	48	43

Zonal Cavity Method  
Effective Floor Cavity Reflectance 20%

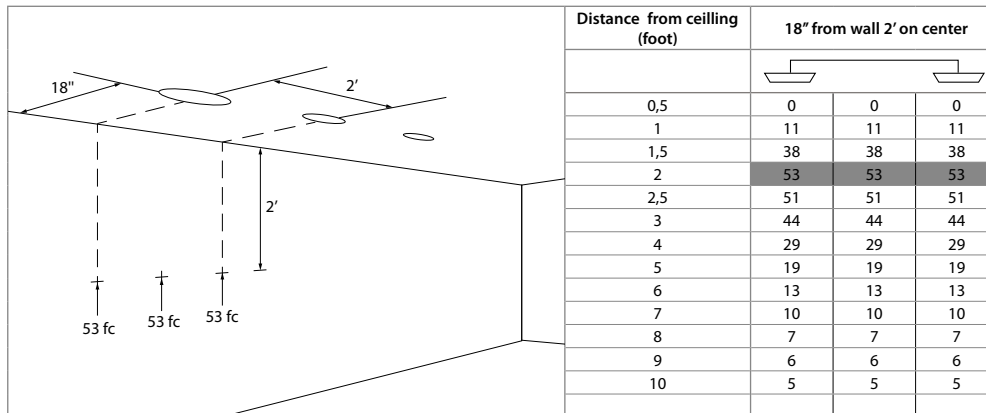
**ZONAL LUMEN SUMMARY**

ZONE	LUMENS	%LUMINAIRE
0-30	319.9	50.8%
0-40	468	74.3%
0-60	618.1	98.1%
60-90	11.8	1.9%
0-90	629.9	100%

**CANDELAS DISTRIBUTION**

DEGREES/ VERTICAL	CANDELAS	DEGREES/ VERTICAL	CANDELAS
0	471	40	398
5	555	50	188
10	633	60	68
15	679	70	3
20	683	80	0
25	651	90	0
30	584		

**Footcandles On Wall - Performance 2**



Note: Footcandles Data

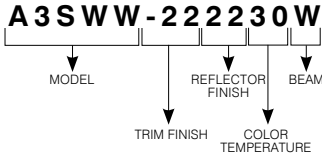
# CONTRASTE

# Ardito LED - A3SWW

3-1/2" Series

## Ultra-Thin Profile Square Wall Wash Trim

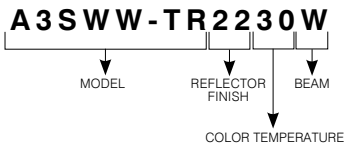
### TRIM WITH FLANGE CODIFICATION EXAMPLE



### TRIM WITH FLANGE ORDERING CODE **A3SWW**

MODEL	TRIM FINISHES	REFLECTOR FINISHES	COLOR TEMPERATURES	BEAM
<b>A3SWW</b>				<b>W</b>
<b>A3SWW</b>	<b>-03</b> 24K Gold Plated	<b>Painted</b>	<b>27</b> 2,700K	<b>W</b> Flood (54°)
	<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> Natural Anodized Aluminum	<b>40</b> 4,000K	
	<b>-12BR</b> Brushed Nickel		<b>CT</b> Color Tuning	
	<b>-13</b> Satin Nickel		<b>WD</b> Warm Dimming	
	<b>-22</b> Matte Black	* Recommended for optimum Wall Wash result		

### FLANGELESS TRIM OPTION CODIFICATION EXAMPLE



### FLANGELESS TRIM OPTION ORDERING CODE **A3SWW-TR** (see next page for mud-in-plate ordering code)

MODEL	REFLECTOR FINISHES	COLOR TEMPERATURES	BEAM
<b>A3SWW-TR</b>			<b>W</b>
<b>A3SWW-TR</b>	<b>Painted</b>	<b>27</b> 2,700K	<b>W</b> Flood (54°)
	<b>11</b> Matte White	<b>30</b> 3,000K	
	<b>22</b> * Matte Black	<b>35</b> 3,500K	
	<b>AN</b> Natural Anodized Aluminum	<b>40</b> 4,000K	
		<b>CT</b> Color Tuning	
		<b>WD</b> Warm Dimming	
	* Recommended for optimum Wall Wash result		

# Ardito LED - A3SWW

3-1/2" Series

Ultra-Thin Profile Square Wall Wash Trim



## ORDERING CODE **for lenses replacement**

Frosted / Frosted: **317285** (included)

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

**MIPA3S**

Consult housing specification sheet for more details.

# CONTRASTE

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