

4" ROUND DOWNLIGHT



PERFORMANCE DATA				
MODEL NUMBER	SOURCE LUMENS ¹	DELIVERED LUMENS ²	SYSTEM WATTS	LPW
AR4ES11L	1100	909	11	83
AR4ES15L	1500	1240	15	83
AR4ES20L	2000	1653	20	85

QUICK SHIP

Quick Ship highlights products that can ship in 3 - 5 working days.

FEATURES

4" downlight and wall wash series with deep regress for visual comfort providing 50° source cutoff. Optional downlight lens for wet location applications. Zhaga international standard LED module for ease of maintenance and future replacement. Tool-less LED module and J-Box access. Expandable 14.2"-26". bar hangers included. Quick connect LED module and trim attachment.

TRIM FINISH

Variety of powdercoat and anodized finishes available. Specify finish and flange finish.

ELECTRONICS

120V and Universal Input with standard 0-10V 1% Dimming. LED system features high efficacy LEDs backed by standard softening lens. Standard CRI is 80+. Drivers are overload and short circuit protected as well as thermally regulated. Sound rating A. Auto dim thermal protector for long term reliability.

CONSTRUCTION

Housing/frame constructed of #22 GA galvanized steel. Self-flanged one piece trim spun from 0.063" thick high purity aluminum and finished to specification. Passive internal aluminum heatsink.

CODE COMPLIANCE

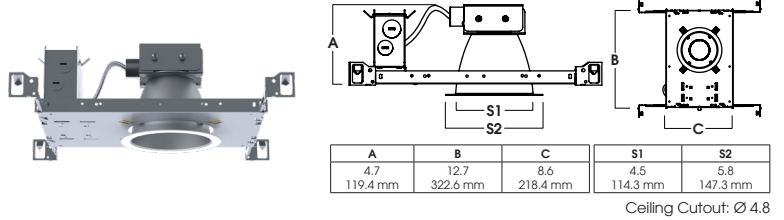
BAA Compliant. Non-IC rated. ETL certified to meet US and Canadian standards. Suitable for dry or damp locations. Manufactured and tested to UL standards No. 1598/8750.

RATED LIFE

Rated for 50,000 Hours at 70% lumen maintenance. (L70)

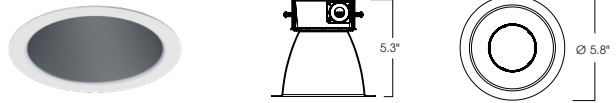
HOUSING DIMENSIONS

SP4ES - 4" NEW CONSTRUCTION



TRIM OPTIONS

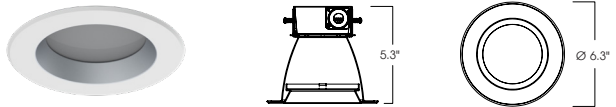
AR4ES - 4" DOWNLIGHT



AR4WES - 4" WALL WASH



AR4LES - 4" LENSED WET LOCATION



FIXTURE HOUSING SPECIFICATION

SERIES	LUMENS ¹	CCT	DRIVER / VOLTAGE
SP4ES	11L 1100 Lm	30K 3000K	D1 1%, 0-10V, 120V
	15L 1500 Lm	35K 3500K	DX 1%, 0-10V, 120V/277V
	20L 2000 Lm	40K 4000K	DXEM 1%, 0-10V, 120V/277V Emergency Battery

TRIM / MODULE SPECIFICATION

TRIM	FINISH	FLANGE FINISH
AR4ES Downlight	SG Semi-Diffuse	MF ¹ Matching Flange
AR4WES Wall Wash	MW Matte White	WF ² White Flange
AR4LES Lensed Wet Location	AN Anodic Natural AC Anodic Champagne MB Matte Black PT Platinum Silver CC ³ Custom Finish	

ACCESSORIES		
ORDER SEPARATELY		
GOOF RING		
GRES4	MW	Matte White
	MB	Matte Black
	PT	Platinum Silver
	CC	Custom Color

QUICK SHIP

EXAMPLE: SP4ES11L30KDX/AR4ESMWMF

NOTES:

1 Nominal Source Lumens at 35K 2 Nominal Delivered Lumens 80 CRI at 35K with AR4ES-SG, with Any Flange Finish
 3 Contact Factory for Special Finishes 4 Flange Same Color as Inside of Trim 5 For Use with Non-White Trim



PHOTOMETRIC DATA - 4" ROUND DOWNLIGHT

SP4ES 20L 35K DX AR4ES SGxF

CANDLEPOWER CURVE TEST SP-00598_1	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES BASED ON IES BEAM ANGLE	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT
	0.00°	0° - 10°	Mounting Height AFF	Ceiling Height
	0.00° 1,661	165	5.5'	9'
	5.00° 1,637	0° - 20° 608	6.5'	6'
	10.00° 1,610	10% 37%	7.5'	8'
	15.00° 1,585	0° - 30° 1,211	8.5'	12'
	20.00° 1,517	73%	10.0'	16'
	30.00° 1,032	0° - 40° 1,575	12.0'	Delivered Illuminance Rating: (DIR)
	40.00° 222	95%	14.0'	Recessed Mounting
	50.00° 19	0° - 60° 1,648	16.0'	Square rooms used for multiple units:
	60.00° 6	100%	Total	- RCR 2: Length & Width = Ceiling Ht. -2.5' x 5.00
	70.00° 2	0° - 80° 1,653		- RCR 4: Length & Width = Ceiling Ht. -2.5' x 2.50
	80.00° 1	100%		+ Average Footcandles at 2.5' Above Floor
90.00° 0	0° - 90° 1,653			
	100%			

Delivered Lumens: **1,653**
Luminaire Watts: **19.5**
LER: **84.77**

CP at 0deg (Nadir): **1,661**
CRI: **80+**

Beam Angle: **64.51**
Spacing Ratio: **1.04**

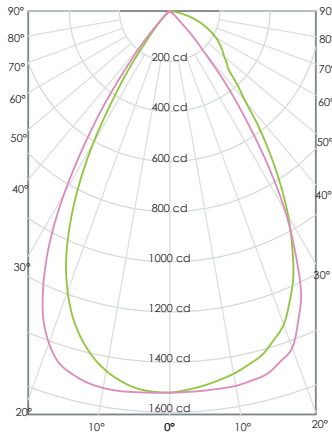
Lumen Multiplier: **11L x 0.55, 15L x 0.75**
CCT Multiplier: **30K x 0.985, 40K x 1.03**



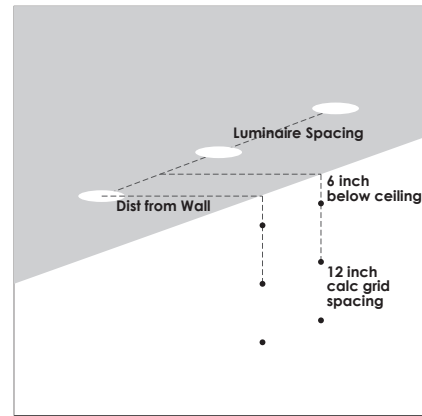
PHOTOMETRIC DATA - 4" ROUND WALL WASH

SP4ES 20L 35K DX AR4WES SG

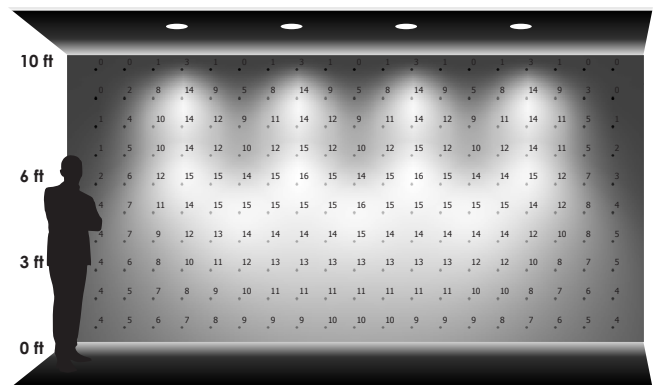
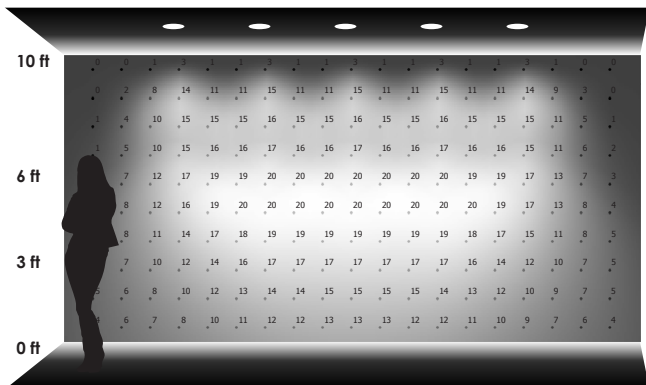
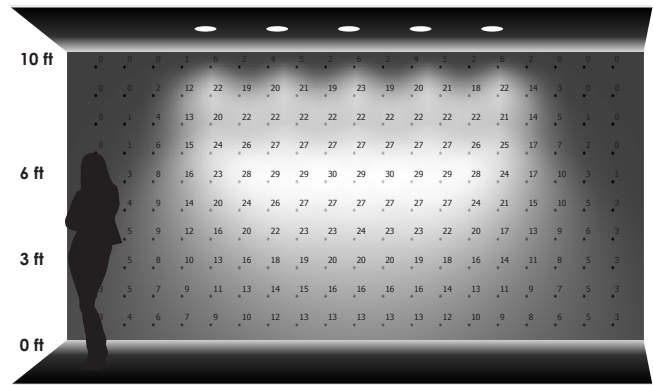
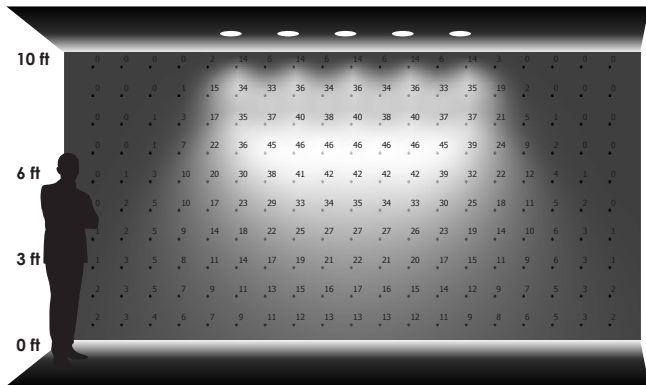
CANDLEPOWER CURVE TEST SP-00677_9	PERFORMANCE SUMMARY	REFERENCE DIAGRAM
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Delivered Lumens: 1,541
 Luminaire Watts: 19.5
 LER: 79.03
 CP at 0deg (Nadir): 1,521
 CRI: 80+
 Lumen Multiplier: 11L x 0.55, 15L x 0.75
 CCT Multiplier: 30K X 0.985, 40K x 1.03



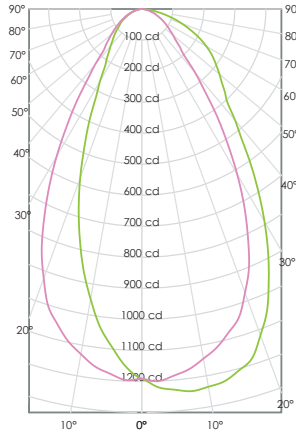
PERFORMANCE DATA - INITIAL ILLUMINATION (FOOTCANDLES) ON WALL - DIRECT LIGHT ONLY



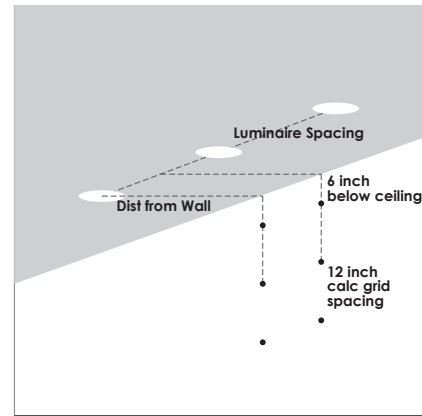
PHOTOMETRIC DATA - 4" ROUND WALL WASH

SP4ES 20L 35K DX AR4WES MW

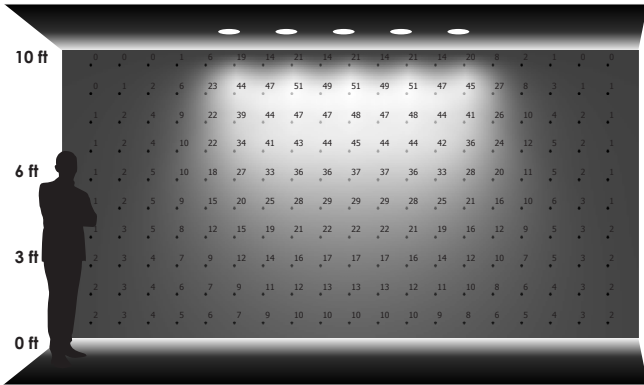
CANDLEPOWER CURVE TEST SP-00677_8	PERFORMANCE SUMMARY	REFERENCE DIAGRAM
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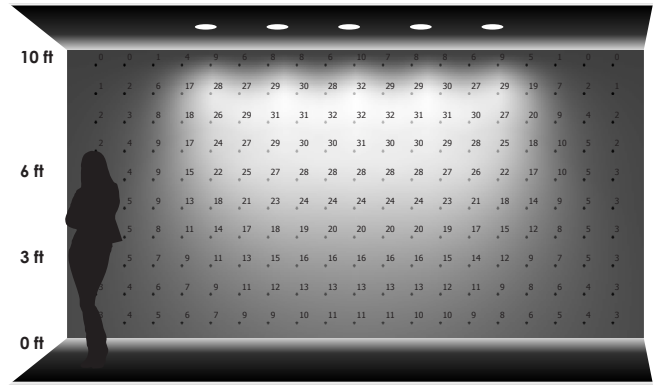
Delivered Lumens: 1,375
 Luminaire Watts: 19.5
 LER: 70.51
 CP at 0deg (Nadir): 1,191
 CRI: 80+
 Lumen Multiplier: 11L x 0.55, 15L x 0.75
 CCT Multiplier: 30K X 0.985, 40K x 1.03



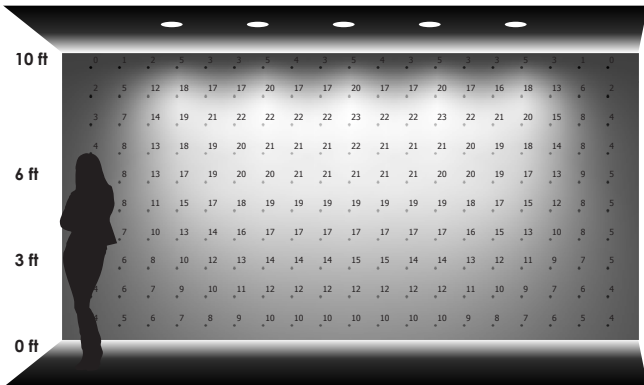
PERFORMANCE DATA - INITIAL ILLUMINATION (FOOTCANDLES) ON WALL - DIRECT LIGHT ONLY



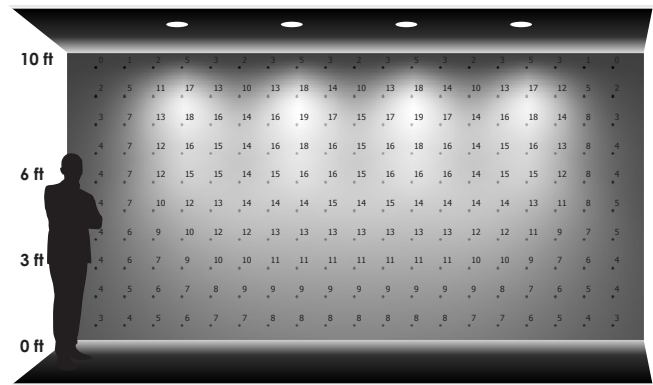
5 LUMINAIRES
 2' away from wall
 2' between luminaires



5 LUMINAIRES
 2'-6" away from wall
 2'-6" between luminaires



5 LUMINAIRES
 3' away from wall
 3' between luminaires



4 LUMINAIRES
 3' away from wall
 4' between luminaires

