

6" ROUND DOWNLIGHT



PERFORMANCE DATA				
MODEL NUMBER	SOURCE LUMENS ¹	DELIVERED LUMENS ²	SYSTEM WATTS	LPW
AR6ES11L	1100	908	11	83
AR6ES15L	1500	1238	15	83
AR6ES20L	2000	1651	20	83

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

FEATURES
 6" 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.

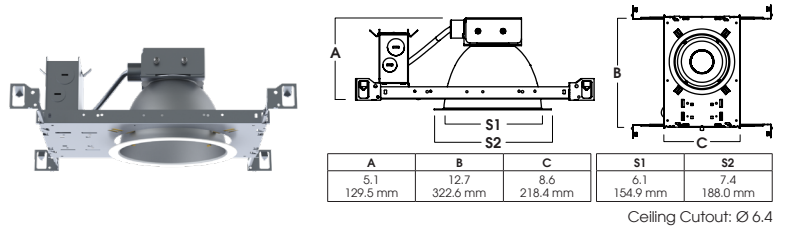
CONSTRUCTION
 Housing/frame constructed of #22 GA galvanized steel. Self-flanged one piece trim spun from 0.063" thick high purity aluminum and finished to specification. Passive internal aluminum heatsink.

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)

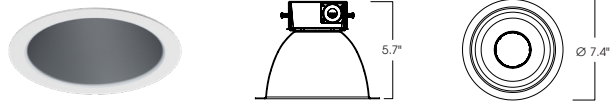
HOUSING DIMENSIONS

SP6ES - 6" NEW CONSTRUCTION

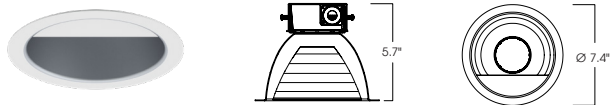


TRIM OPTIONS

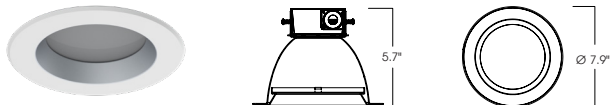
AR6ES - 6" DOWNLIGHT



AR6WES - 6" WALL WASH



AR6LES - 6" LENSED WET LOCATION



FIXTURE HOUSING SPECIFICATION

SERIES	LUMENS ¹	CCT	DRIVER / VOLTAGE
SP6ES	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
AR6ES Downlight	SG Semi-Diffuse	MF ¹ Matching Flange
AR6WES Wall Wash	MW Matte White	WF ² White Flange
AR6LES Lensed Wet Location	AN Anodic Natural	
	AC Anodic Champagne	
	MB Matte Black	
	PT Platinum Silver	
CC ³ Custom Finish		

ACCESSORIES		
ORDER SEPARATELY		
GOOF RING		
GRES6	MW	Matte White
	MB	Matte Black
	PT	Platinum Silver
	CC	Custom Color

QUICK SHIP

EXAMPLE: SP6ES11L30KDX/AR6ESMWMF

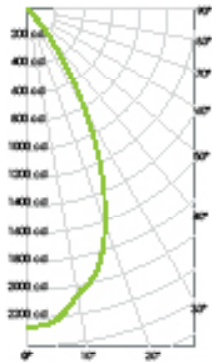
NOTES:
 1 Nominal Source Lumens at 35K 2 Nominal Delivered Lumens 80 CRI at 35K with AR6ES-SG, with Any Flange Finish
 3 Contact Factory for Special Finishes 4 Flange Same Color as Inside of Trim 5 For Use with Non-White Trim



PHOTOMETRIC DATA - 6" ROUND

SP6ES-2DL-35K-DX / AR6ES-SG-xF

CANDLEPOWER CURVE
TEST SP-00542_1



INTENSITY
CANDELA
0° AZIMUTH

0°	0° - 10°	220	13%
0°	0° - 20°	744	45%
5°	0° - 30°	1,292	79%
15°	0° - 40°	1,573	96%
25°	0° - 50°	1,633	100%
35°	0° - 60°	1,639	100%
45°	0° - 70°	1,639	100%
55°	0° - 80°	1,639	100%
90°	0° - 90°	0	0%
	Total	1,639	100%

ZONAL LUMENS

0° - 10°	220	13%
0° - 20°	744	45%
0° - 30°	1,292	79%
0° - 40°	1,573	96%
0° - 50°	1,633	100%
0° - 60°	1,639	100%
0° - 70°	1,639	100%
0° - 80°	1,639	100%
0° - 90°	0	0%
Total	1,639	100%

SINGLE UNIT: PERFORMANCE
DIRECT FOOTCANDLES
BASED ON DOWNLIGHT ONLY

Mounting Height AFF	FC of Center on Floor	Beam Diameter	FC at Beam Edge
5.5'	75 fc	5.4'	27 fc
6.5'	54 fc	4.4'	19 fc
7.5'	40 fc	3.4'	15 fc
8.5'	31 fc	2.4'	11 fc
10.0'	23 fc	1.8'	8 fc
12.0'	16 fc	1.2'	6 fc
14.0'	12 fc	0.8'	4 fc
16.0'	9 fc	0.6'	3 fc

MULTIPLE UNITS: PERFORMANCE
80/50/20% REFLECTANCES
INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT

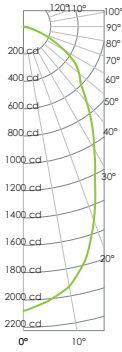
Ceiling Height	Fixture Spacing	RCR 2		RCR 4	
		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.
9'	6"	40	0.46	50	0.66
12'	8"	27	0.31	24	0.31
16'	10"	13	0.15	12	0.15
Delivered Illuminance Rating: (DIR)		86 FC per W/Sq. Ft.		76 FC per W/Sq. Ft.	
Recessed mounting Square rooms used for multiple units: RCR 2: Length & Width = Ceiling Ht. - 2.5' x 5.00 RCR 4: Length & Width = Ceiling Ht. - 2.5' x 2.50 * Average Footcandles at 2.5' Above Floor * Exceeds Spacing Ratio by 13% ** Exceeds Spacing Ratio by 3%					



PHOTOMETRIC DATA - 6" ROUND WALL WASH

SP6ES-20L35K-DX-AR6WES-SG

CANDLEPOWER CURVE

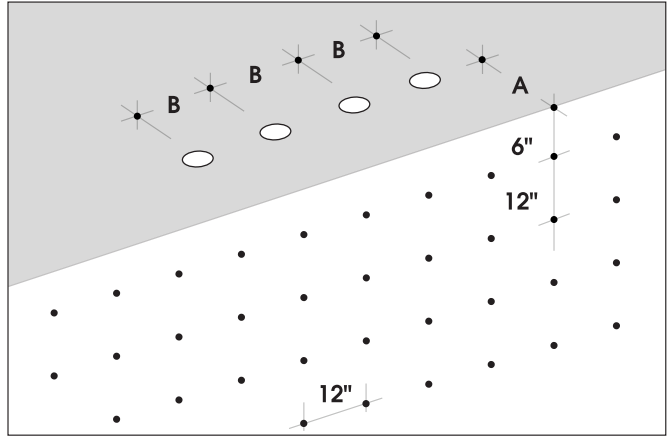


Delivered Lumens: 1,778
Luminaire Watts: 20
LER: 88.90

CP at 0deg (Nadir): 2,080
CRI: 80+

Lamp Multiplier: 11L x 0.55, 15L x 0.75
CCT Multiplier: 4000K X 1.03, 3000K X 0.985

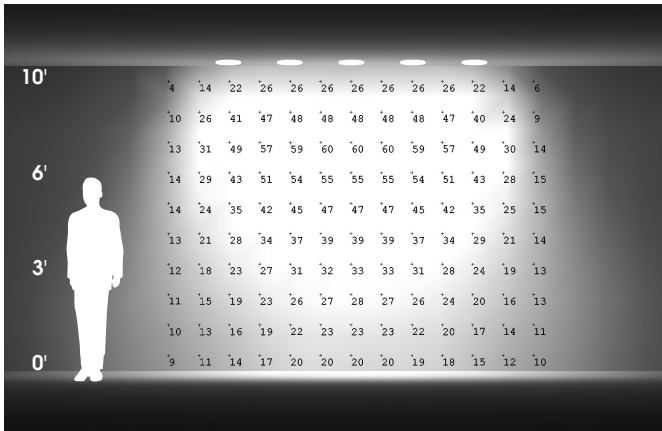
PERFORMANCE DATA - REFERENCE DIAGRAM



A DISTANCE FROM WALL TO CENTER OF FIXTURE
B SPACING SPACING O.C.

PERFORMANCE DATA - INITIAL ILLUMINATION (FOOTCANDLES) ON WALL - 80/50/20 REFLECTANCES

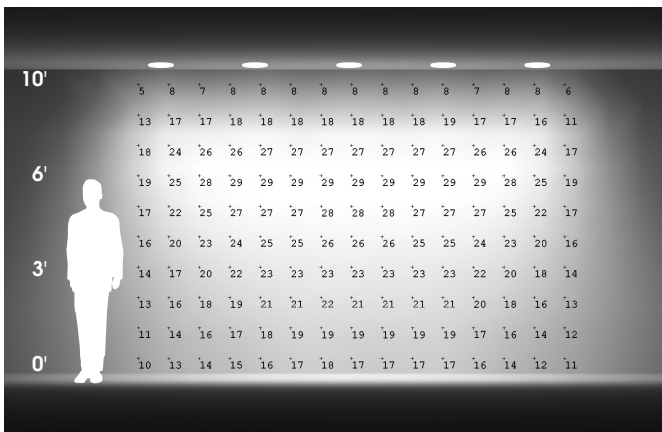
Performance Data calculated using AGI32, consult factory for details.



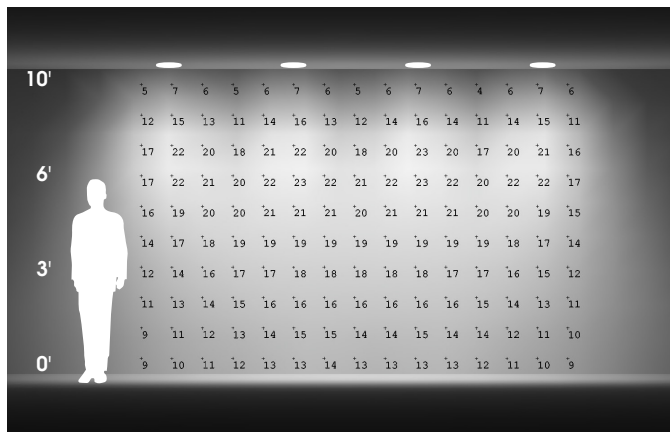
(5) SP6ES-20L35K-DX-AR6WES-SG
A DISTANCE 2'0"
B SPACING 2'0" O.C.



(5) SP6ES-20L35K-DX-AR6WES-SG
A DISTANCE 2'6"
B SPACING 2'6" O.C.



(5) SP6ES-20L35K-DX-AR6WES-SG
A DISTANCE 3'0"
B SPACING 3'0" O.C.



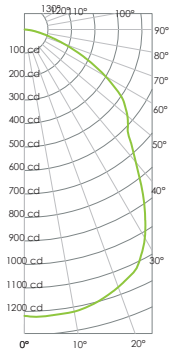
(4) SP6ES-20L35K-DX-AR6WES-SG
A DISTANCE 3'0"
B SPACING 4'0" O.C.



PHOTOMETRIC DATA - 6" ROUND WALL WASH

SP6ES-20L35K-DX-AR6WES-MW

CANDLEPOWER CURVE

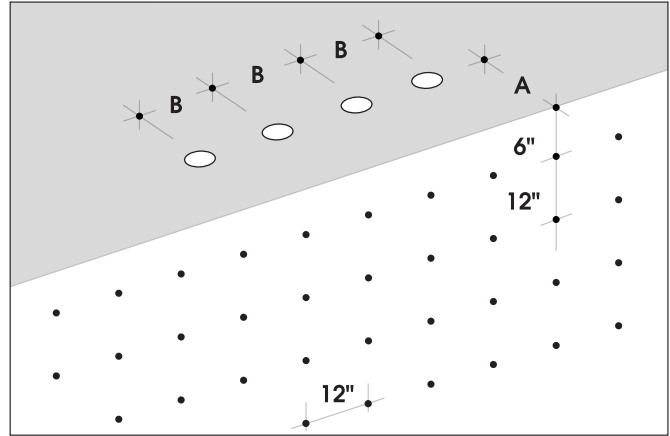


Delivered Lumens: 1,684
 Luminaire Watts: 20
 LER: 84.20

CP at 0deg (Nadir): 1,219
 CRI: 80+

Lamp Multiplier: 11L x 0.55, 15L x 0.75
 CCT Multiplier: 4000K X 1.03, 3000K X 0.985

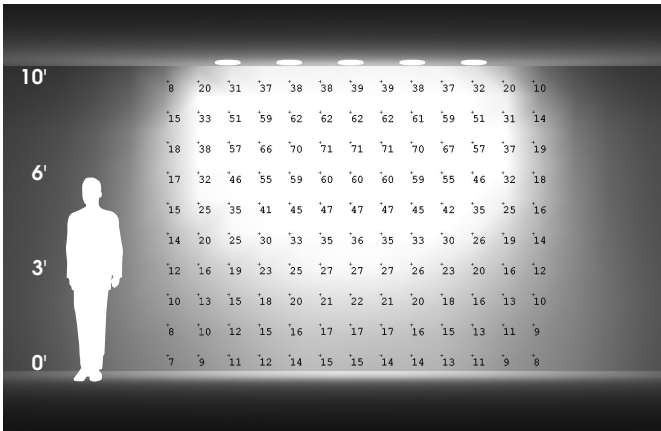
PERFORMANCE DATA - REFERENCE DIAGRAM



A DISTANCE FROM WALL TO CENTER OF FIXTURE
 B SPACING SPACING O.C.

PERFORMANCE DATA - INITIAL ILLUMINATION (FOOTCANDLES) ON WALL - 80/50/20 REFLECTANCES

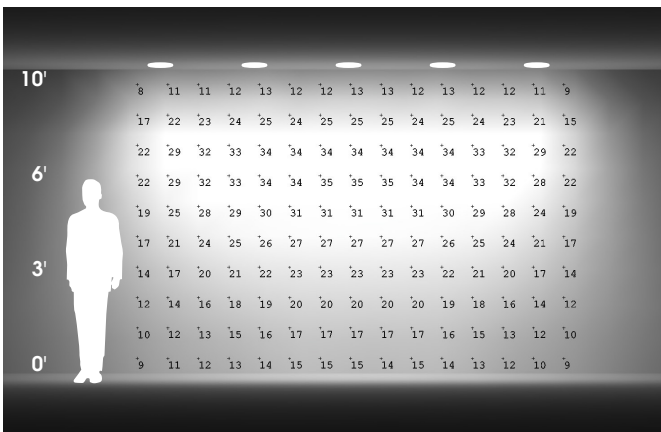
Performance Data calculated using AGI32, consult factory for details.



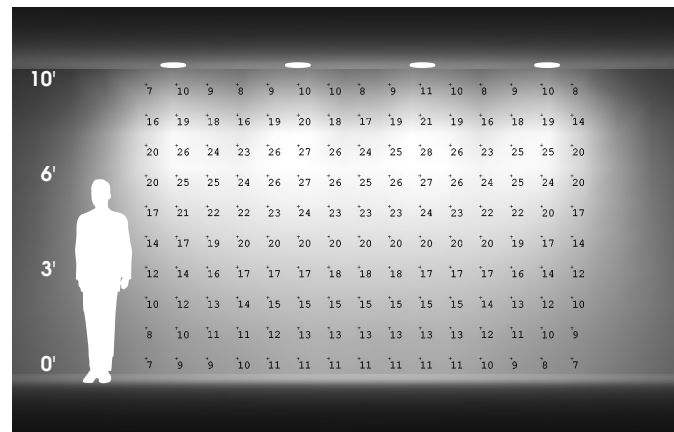
(5) SP6ES-20L35K-DX-AR6WES-MW
 A DISTANCE 2'0"
 B SPACING 2'0" O.C.



(5) SP6ES-20L35K-DX-AR6WES-MW
 A DISTANCE 2'6"
 B SPACING 2'6" O.C.



(5) SP6ES-20L35K-DX-AR6WES-MW
 A DISTANCE 3'0"
 B SPACING 3'0" O.C.



(4) SP6ES-20L35K-DX-AR6WES-MW
 A DISTANCE 3'0"
 B SPACING 4'0" O.C.

