

6" ROUND RETROFIT / REMODELER



PERFORMANCE DATA				
MODEL NUMBER	SOURCE LUMENS ¹	DELIVERED LUMENS ²	SYSTEM WATTS	LPW
RT6ES11L	1100	908	11	83
RT6ES15L	1500	1238	15	83
RT6ES20L	2000	1651	20	83

FEATURES

6" downlight and wall wash remodelight 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. 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

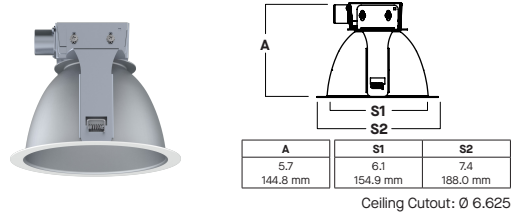
BAA Compliant. Non-IC rated. ETL certified to meet US and Canadian standards. Suitable for dry or damp locations. Manufactured and tested to UL standards No. 1598/8750.

RATED LIFE

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

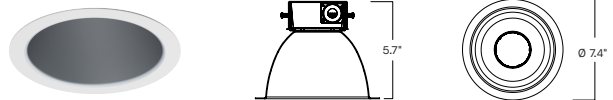
HOUSING DIMENSIONS

RT6ES - 6" RETROFIT / REMODELER

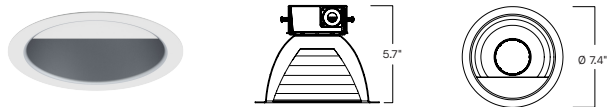


TRIM OPTIONS

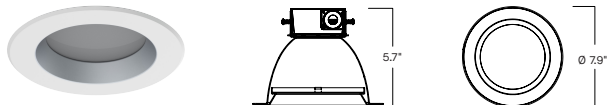
RT6ES - 6" DOWNLIGHT



RT6WES - 6" WALL WASH



RT6LES - 6" LENSED WET LOCATION



MODULE SPECIFICATION

SERIES	LUMENS ¹	CCT	DRIVER / VOLTAGE	FINISH	FLANGE FINISH	ACCESSORIES
						ORDER SEPARATELY
RT6ES	Downlight	11L 1100 Lm	30K 3000K	D1 1%, 0-10V, 120V	SG Semi-Diffuse	MF ⁴ Matching Flange
RT6WES	Wall Wash	15L 1500 Lm	35K 3500K	DX 1%, 0-10V, 120V/277V	MW Matte White	WF ⁵ White Flange
RT6LES	Lensed Wet Location	20L 2000 Lm	40K 4000K	DXEM 1%, 0-10V, 120V/277V Emergency Battery	AN Anodic Natural	
					AC Anodic Champagne	
					MB Matte Black	
					PT Platinum Silver	
					CC ³ Custom Finish	
						GOOF RING
						GRES6
						MW Matte White
						MB Matte Black
						PT Platinum Silver
						CC Custom Color

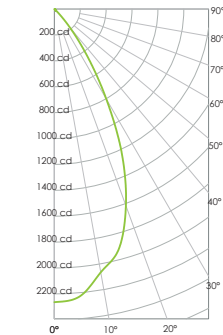
EXAMPLE: RT6ES11L30KDXMWMF

NOTES:

1 Nominal Source Lumens at 35K 2 Nominal Delivered Lumens 80 CRI at 35K with RT6ES-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

RT6ES-20L35K-DX-SG-xF
SP6ES-20L-35K-DX / AR6ES-SG-xF

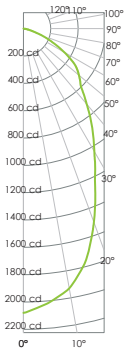
CANDLEPOWER CURVE	INTENSITY	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES BASED ON IES BEAM ANGLE				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT											
	0.00°	0° - 10°	220	13%	Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4					
	0.00° 2,264										FC +	W/Sq. Ft.	FC +	W/Sq. Ft.				
	5.00° 2,229	0° - 20°	744	45%					8'	5' +	88	1.02	78	1.02				
	10.00° 2,065	0° - 30°	1,292	79%	5.50'	75 fc	5.4'	37 fc	12'	7' **	30	0.35	38	0.50				
	15.00° 1,921	0° - 40°	1,573	96%	6.50'	54 fc	6.4'	27 fc	16'	9' ***	18	0.21	16	0.21				
	20.00° 1,616	0° - 60°	1,633	100%	7.50'	40 fc	7.4'	20 fc	Delivered Illuminance Rating: (DIR)		86 FC per W/Sq. Ft.		76 FC per W/Sq. Ft.					
	30.00° 802	0° - 80°	1,639	100%	8.50'	31 fc	8.4'	16 fc										
	40.00° 189	0° - 90°	1,639	100%	10.00'	23 fc	9.8'	11 fc	2' Suspension Length Square rooms used for multiple units: - RCR 2: Length & Width = Ceiling Ht. - 4.5' x 5.00 - RCR 4: Length & Width = Ceiling Ht. - 4.5' x 2.50 + Average Footcandles at 2.5' Above Floor * Exceeds spacing criteria by 74% ** Exceeds spacing criteria by 14% *** Exceeds spacing criteria by -5%									
	50.00° 12	Total	1,639	100%	12.00'	16 fc	11.8'	8 fc										
	60.00° 6				14.00'	12 fc	13.8'	6 fc										
	70.00° 3				16.00'	9 fc	15.8'	4 fc										
	80.00° 1																	
	90.00° 0																	
Delivered Lumens: 1,639 Luminaire Watts: 19.5 LER: 84.05	CP at 0deg (Nadir): 2,264 CRI: 80+	Beam Angle: 52.37 Spacing Ratio: 0.82		Lamp Multiplier: 11L x 0.55, 15L x 0.75 CCT Multiplier: 30K x 0.985, 40K x 1.03														



PHOTOMETRIC DATA - 6" ROUND WALL WASH

SP6ES-20L35K-DX-AR6WES-SG

CANDLEPOWER CURVE

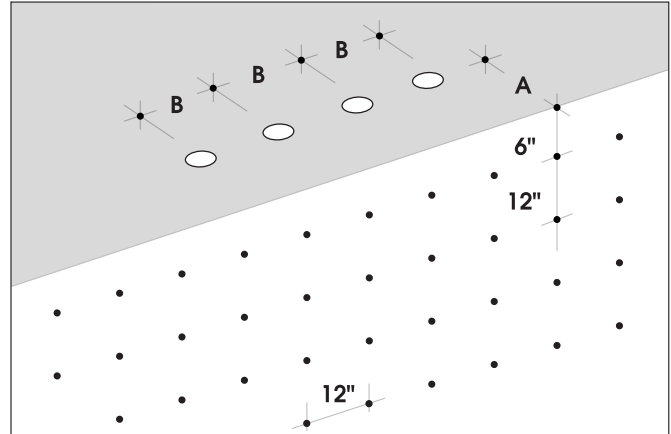


Delivered Lumens: 1,778
Luminaire Watts: 20
LER: 88.90

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

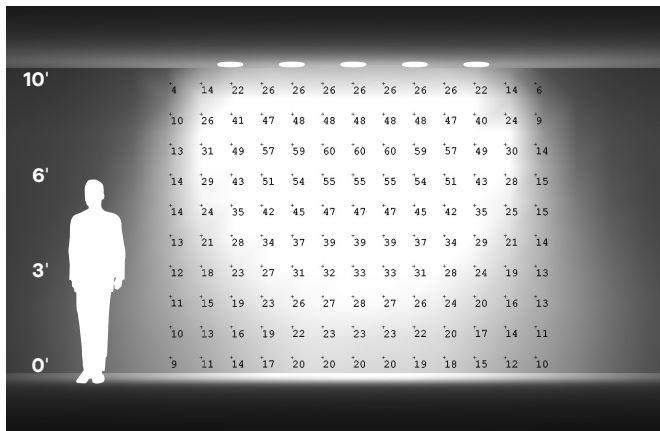
PERFORMANCE DATA - REFERENCE DIAGRAM



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

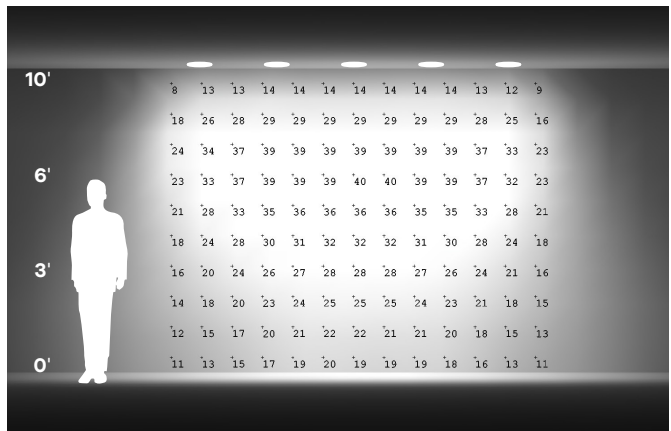
PERFORMANCE DATA - INITIAL ILLUMINATION (FOOTCANDLES) ON WALL - 80/50/20 REFLECTANCES

Performance Data calculated using AGI32, consult factory for details.



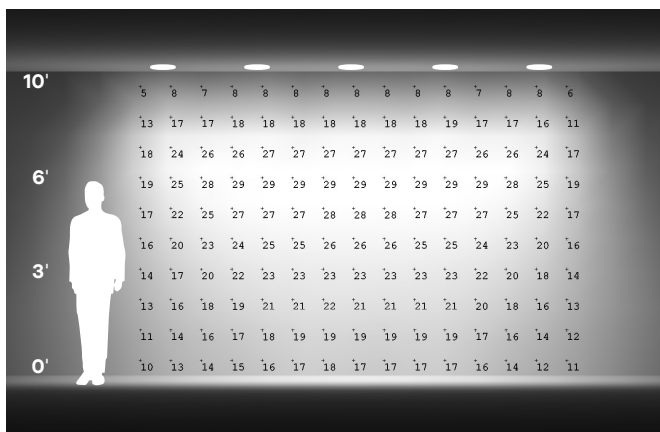
(5) SP6ES-20L35K-DX-AR6WES-SG

A DISTANCE 2'0"
B SPACING 2'0" O.C.



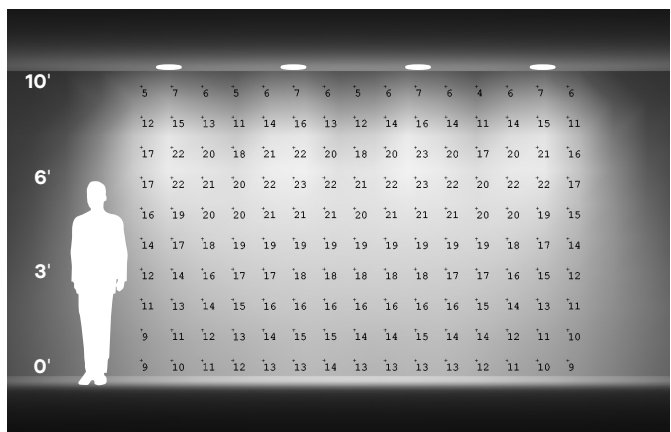
(5) SP6ES-20L35K-DX-AR6WES-SG

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.

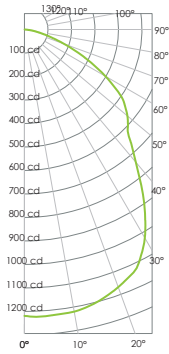
ESTIMATOR
CONTRACTOR SERIES

Spectrum Lighting

PHOTOMETRIC DATA - 6" ROUND WALL WASH

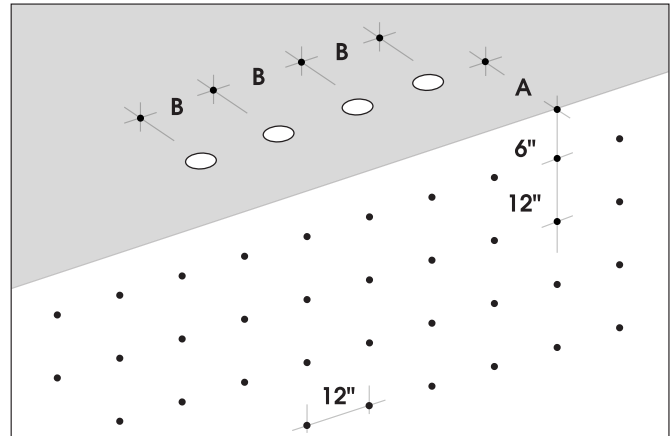
SP6ES-20L35K-DX-AR6WES-MW

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

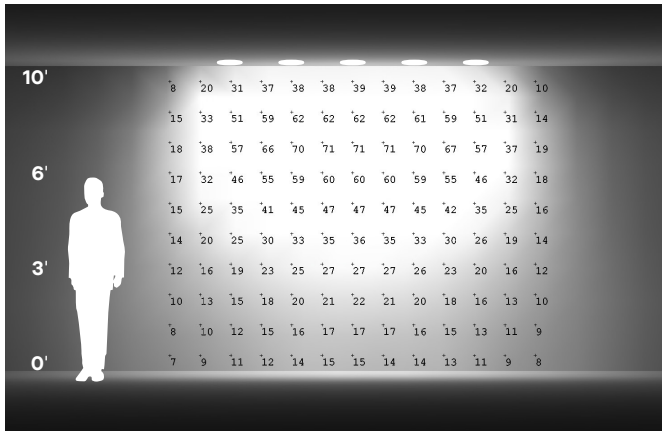
PERFORMANCE DATA - REFERENCE DIAGRAM



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

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

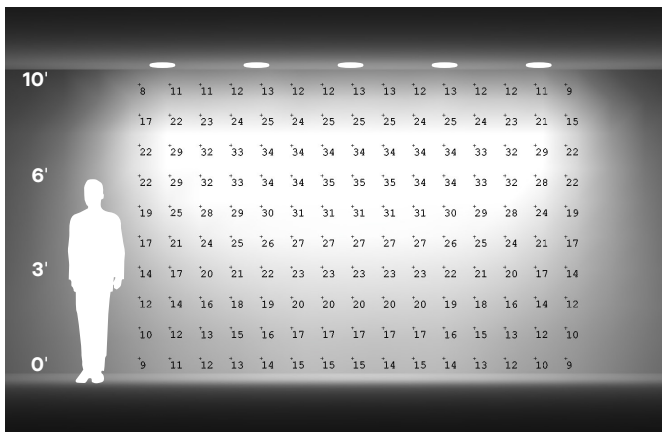
Performance Data calculated using AGI32, consult factory for details.



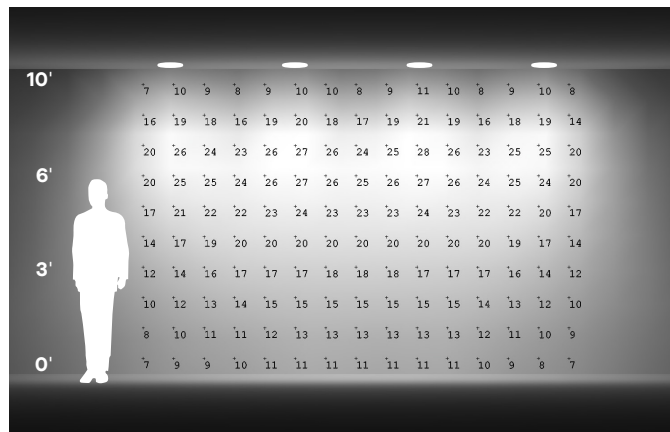
(5) SP6ES-20L35K-DX-AR6WES-MW
A DISTANCE 2'0"
B SPACING 2'0" O.C.



(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.

ESTIMATOR
CONTRACTOR SERIES

Spectrum Lighting