

8" ROUND RETROFIT / REMODELER



PERFORMANCE DATA				
MODEL NUMBER	SOURCE LUMENS ¹	DELIVERED LUMENS ²	SYSTEM WATTS	LPW
RT8ES11L	1100	953	11	87
RT8ES15L	1500	1299	15	87
RT8ES20L	2000	1732	20	87

FEATURES

8" 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

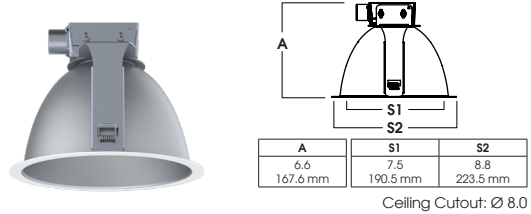
BAA Compliant. Non-IC rated. ETL certified to meet US and Canadian standards. Suitable for dry or damp locations. Manufactured and tested to UL standards No. 1598/8750.

RATED LIFE

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

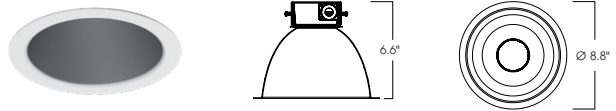
HOUSING DIMENSIONS

RT8ES - 8" DOWNLIGHT - RETROFIT / REMODELER

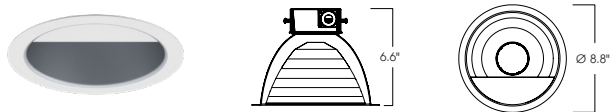


TRIM OPTIONS

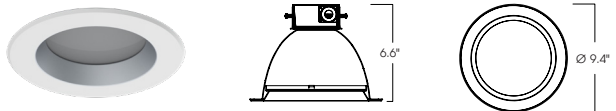
RT8ES - 8" DOWNLIGHT



RT8WES - 8" WALL WASH



RT8LES - 8" LENSED WET LOCATION



MODULE SPECIFICATION

SERIES	LUMENS ¹	CCT	DRIVER / VOLTAGE	FINISH	FLANGE FINISH	ACCESSORIES
RT8ES	Downlight	11L 1100 Lm	30K 3000K	D1 1%, 0-10V, 120V	SG Semi-Diffuse	MF ⁴ Matching Flange
RT8WES	Wall Wash	15L 1500 Lm	35K 3500K	DX 1%, 0-10V, 120V/277V	MW Matte White	WF ⁵ White Flange
RT8LES	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	
						ORDER SEPARATELY
						GOOF RING
						GRESB
						MW Matte White
						MB Matte Black
						PT Platinum Silver
						CC Custom Color

EXAMPLE: RT8ES11L30KDXMWMF

NOTES:

1 Nominal Source Lumens at 35K 2 Nominal Delivered Lumens 80 CRI at 35K with RT8ES-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 - 8" ROUND

RT8ES-20L35K-DX-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° - 10°	0° - 20°	Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4		
	0.00°	233	14%	5.50'	79 fc	5.2'	39 fc	8'	5' *	92	1.02	82	1.02	
	0.00°	2,381	787	46%	6.50'	56 fc	6.2'	28 fc	12'	7' **	31	0.35	40	0.50
	5.00°	2,336	1,344	78%	7.50'	42 fc	7.2'	21 fc	16'	9' ***	19	0.21	17	0.21
	10.00°	2,231	1,644	96%	8.50'	33 fc	8.1'	16 fc	Delivered Illuminance Rating: (DIR)					
	15.00°	2,038	1,719	100%	10.00'	24 fc	9.5'	12 fc	2' Suspension Length					
	20.00°	1,701	1,719	100%	12.00'	17 fc	11.4'	8 fc	Square rooms used for multiple units:					
	30.00°	812	1,719	100%	14.00'	12 fc	13.4'	6 fc	- RCR 2: Length & Width = Ceiling Ht. - 4.5' x 5.00					
	40.00°	226	1,719	100%	16.00'	9 fc	15.3'	5 fc	- RCR 4: Length & Width = Ceiling Ht. - 4.5' x 2.50					
	50.00°	11	Total		Beam Angle: 51.11		Spacing Ratio: 0.81		Lamp Multiplier: 11L x 0.55, 15L x 0.75		* Average Footcandles at 2.5' Above Floor			
	60.00°	6			CP at 0deg (Nadir): 2,381				CCT Multiplier: 30K x 0.985, 40K x 1.03		** Exceeds spacing criteria by 76%			
	70.00°	3			CRI: 80+						*** Exceeds spacing criteria by 15%			
	80.00°	1									**** Exceeds spacing criteria by -3%			
	90.00°	0												

Delivered Lumens: 1,719
Luminaire Watts: 19.5
LER: 88.15

CP at 0deg (Nadir): 2,381
CRI: 80+

Beam Angle: 51.11
Spacing Ratio: 0.81

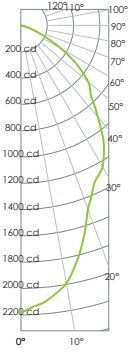
Lamp Multiplier: 11L x 0.55, 15L x 0.75
CCT Multiplier: 30K x 0.985, 40K x 1.03



PHOTOMETRIC DATA - 8" ROUND WALL WASH

SP8ES-20L35K-DX-AR8WES-SG

CANDLEPOWER CURVE

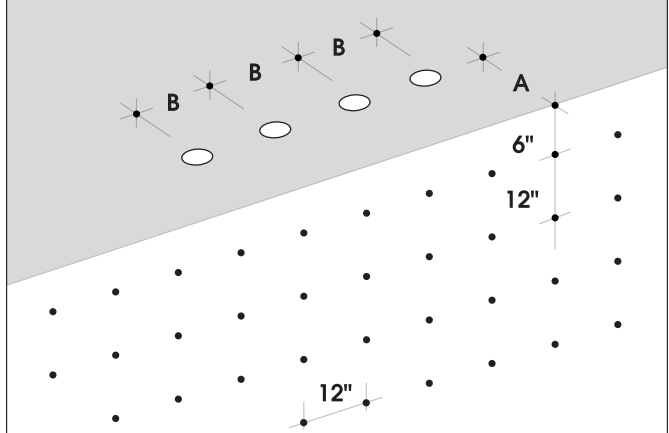


Delivered Lumens: 1,764
 Luminaire Watts: 20
 LER: 88.20

CP at 0deg (Nadir): 2,181
 CRI: 80+

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

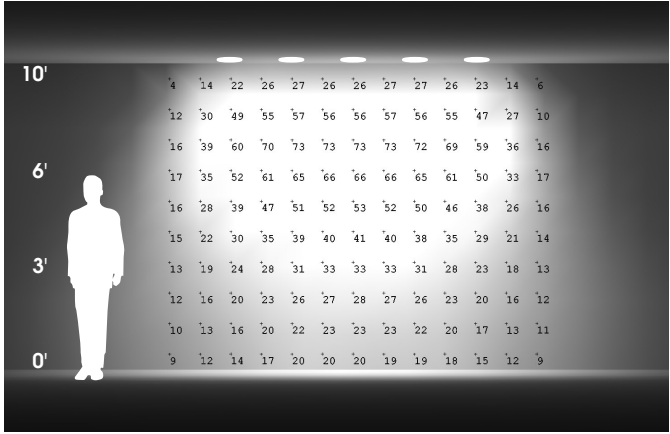
PERFORMANCE DATA - REFERENCE DIAGRAM



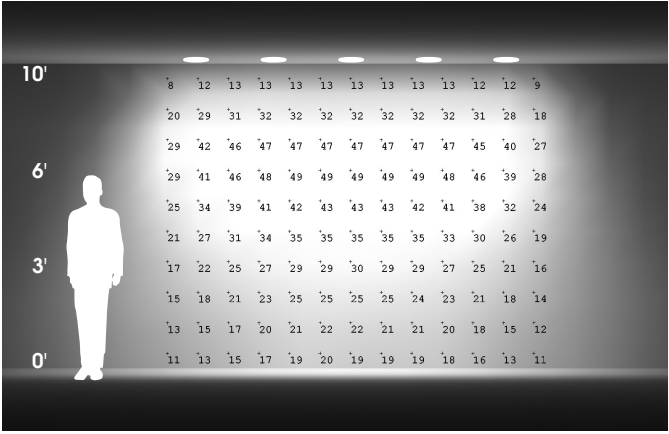
A DISTANCE FROM WALL TO CENTER OF FIXTURE
 B SPACING SPACING O.C.

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

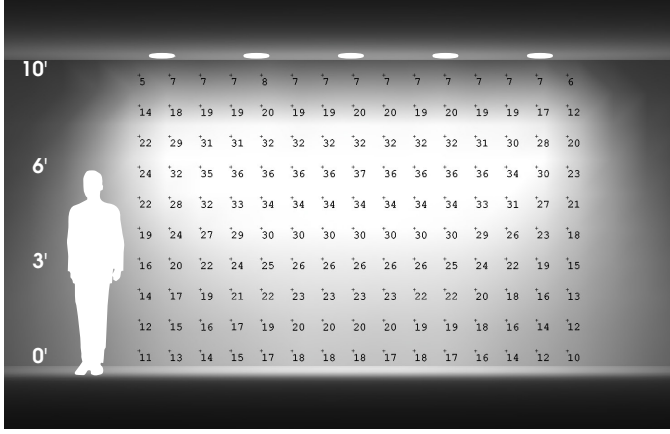
Performance Data calculated using AGI32, consult factory for details.



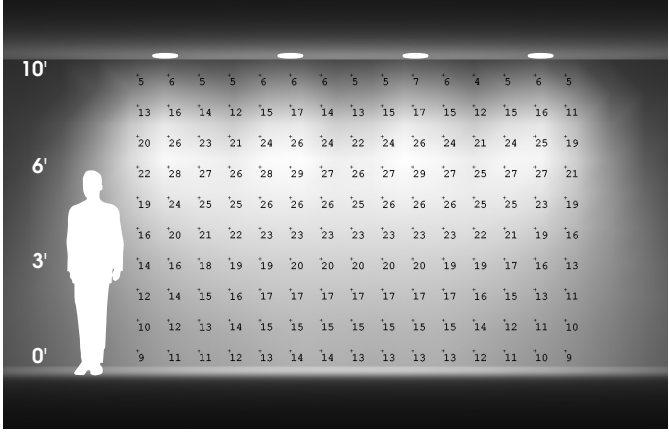
(5) SP8ES-20L35K-DX-AR8WES-SG
 A DISTANCE 2'0"
 B SPACING 2'0" O.C.



(5) SP8ES-20L35K-DX-AR8WES-SG
 A DISTANCE 2'6"
 B SPACING 2'6" O.C.



(5) SP8ES-20L35K-DX-AR8WES-SG
 A DISTANCE 3'0"
 B SPACING 3'0" O.C.



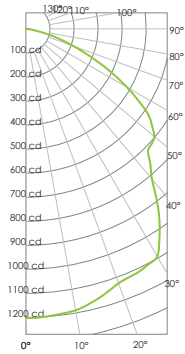
(4) SP8ES-20L35K-DX-AR8WES-SG
 A DISTANCE 3'0"
 B SPACING 4'0" O.C.



PHOTOMETRIC DATA - 8" ROUND WALL WASH

SP8ES-20L35K-DX-AR8WES-MW

CANDLEPOWER CURVE

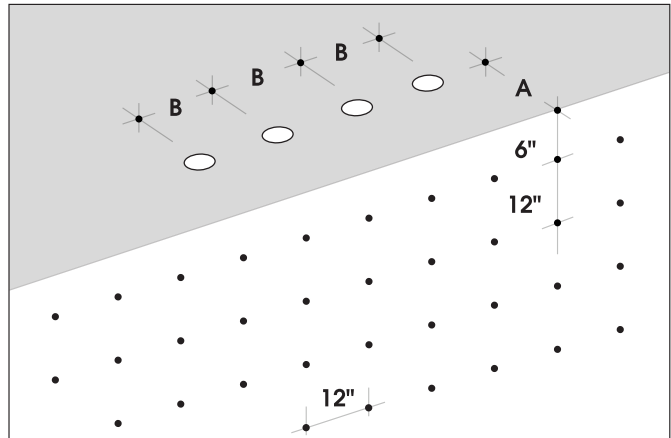


Delivered Lumens: 1,683
 Luminaire Watts: 20
 LER: 84.15

CP at 0deg (Nadir): 1,203
 CRI: 80+

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

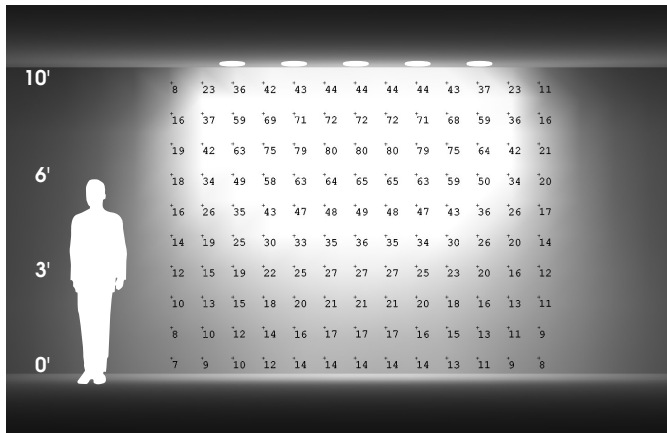
PERFORMANCE DATA - REFERENCE DIAGRAM



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

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

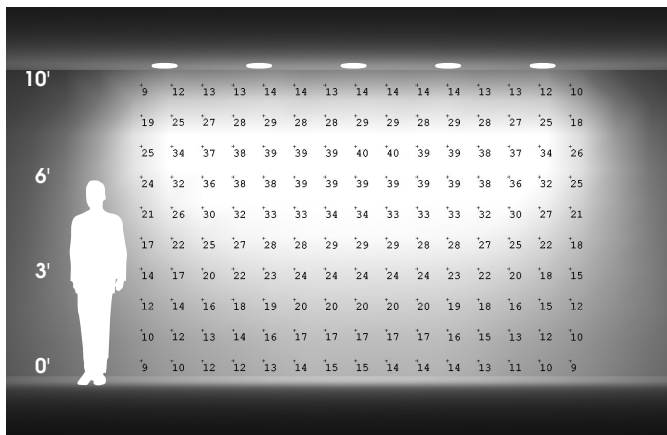
Performance Data calculated using AGI32, consult factory for details.



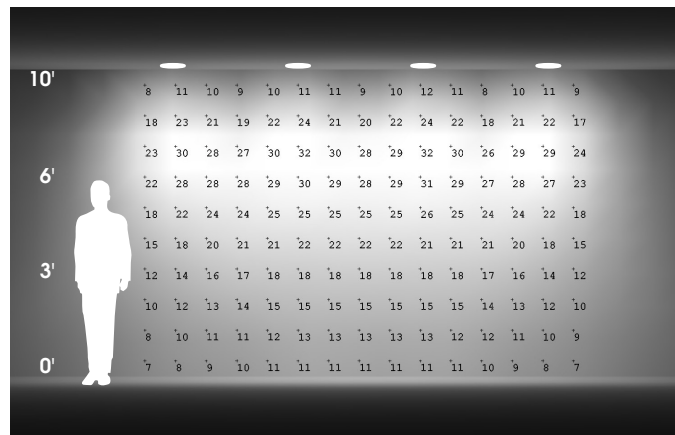
(5) SP8ES-20L35K-DX-AR8WES-MW
 A DISTANCE 2'0"
 B SPACING 2'0" O.C.



(5) SP8ES-20L35K-DX-AR8WES-MW
 A DISTANCE 2'6"
 B SPACING 2'6" O.C.



(5) SP8ES-20L35K-DX-AR8WES-MW
 A DISTANCE 3'0"
 B SPACING 3'0" O.C.



(4) SP8ES-20L35K-DX-AR8WES-MW
 A DISTANCE 3'0"
 B SPACING 4'0" O.C.

