

4" ROUND RETROFIT / REMODELER



PERFORMANCE DATA				
MODEL NUMBER	SOURCE LUMENS ¹	DELIVERED LUMENS ²	SYSTEM WATTS	LPW
RT4ES11L	1100	909	11	83
RT4ES15L	1500	1240	15	83
RT4ES20L	2000	1653	20	85

FEATURES

4" 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

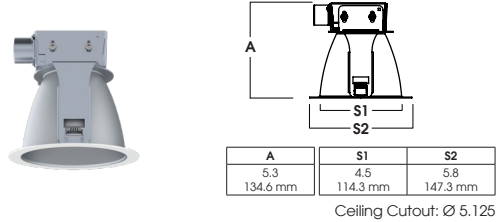
BAA Compliant. Non-IC rated. ETL certified to meet US and Canadian standards. Suitable for dry or damp locations. Manufactured and tested to UL standards No. 1598/8750.

RATED LIFE

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

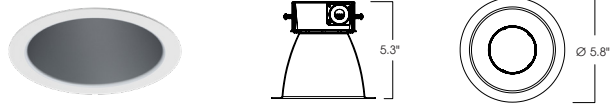
HOUSING DIMENSIONS

RT4ES - 4" RETROFIT / REMODELER



TRIM OPTIONS

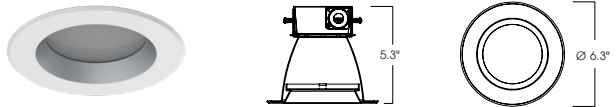
RT4ES - 4" DOWNLIGHT



RT4WES - 4" WALL WASH



RT4LES - 4" LENSED WET LOCATION



MODULE SPECIFICATION

SERIES	LUMENS ¹	CCT	DRIVER / VOLTAGE	FINISH	FLANGE FINISH	ACCESSORIES
RT4ES	Downlight	11L 1100 Lm	30K 3000K	D1 1%, 0-10V, 120V	SG Semi-Diffuse	MF ⁴ Matching Flange
RT4WES	Wall Wash	15L 1500 Lm	35K 3500K	DX 1%, 0-10V, 120V/277V	MW Matte White	WF ⁵ White Flange
RT4LES	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
GRES4	MW	Matte White				
	MB	Matte Black				
	PT	Platinum Silver				
	CC	Custom Color				



EXAMPLE: RT4ES11L30KDXMWMF

NOTES:

1 Nominal Source Lumens at 35K 2 Nominal Delivered Lumens 80 CRI at 35K with RT4ES-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

RT4ES-20L35K-DX-SG-xF

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°				Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4		
	0.00°	1,661	0° - 10°	165	10%						FC +	W/Sq. Ft.	FC +	W/Sq. Ft.	
	5.00°	1,637	0° - 20°	608	37%	5.5'	55 fc	6.9'	17 fc	9'	6'	40	0.46	51	0.66
	10.00°	1,610	0° - 30°	1,211	73%	6.5'	39 fc	8.2'	12 fc	12'	8'	27	0.31	24	0.31
	15.00°	1,585	0° - 40°	1,575	95%	7.5'	30 fc	9.5'	9 fc	16'	12'	13	0.15	12	0.15
	20.00°	1,517	0° - 60°	1,648	100%	8.5'	23 fc	10.7'	7 fc	Delivered Illuminance Rating: (DIR)		87 FC per W/Sq. Ft.		76 FC per W/Sq. Ft.	
	30.00°	1,032	0° - 80°	1,653	100%	10.0'	17 fc	12.6'	5 fc	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					
	40.00°	222	0° - 90°	1,653	100%	12.0'	12 fc	15.1'	3 fc						
	50.00°	19	Total	1,653	100%	14.0'	8 fc	17.7'	3 fc						
	60.00°	6				16.0'	6 fc	20.2'	2 fc						
	70.00°	2													
	80.00°	1													
	90.00°	0													

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**

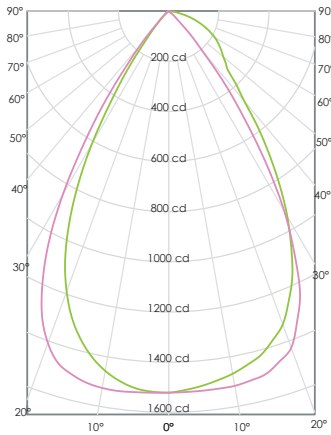
Lumen Multiplier: **11L x 0.55, 15L x 0.75**
CCT Multiplier: **30K x 0.985, 40K x 1.03**



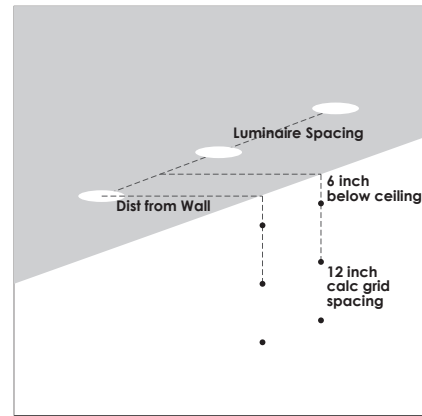
PHOTOMETRIC DATA - 4" ROUND WALL WASH

SP4ES 20L 35K DX AR4WES SG

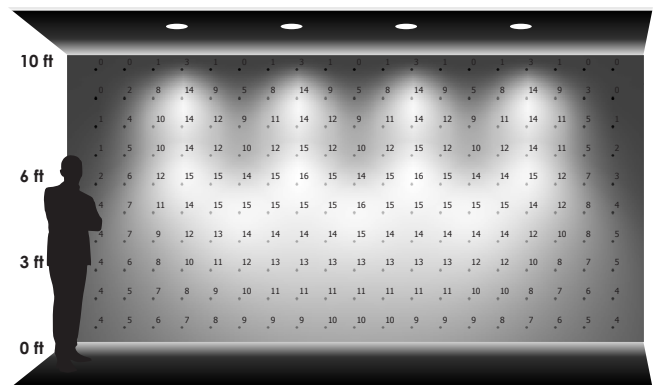
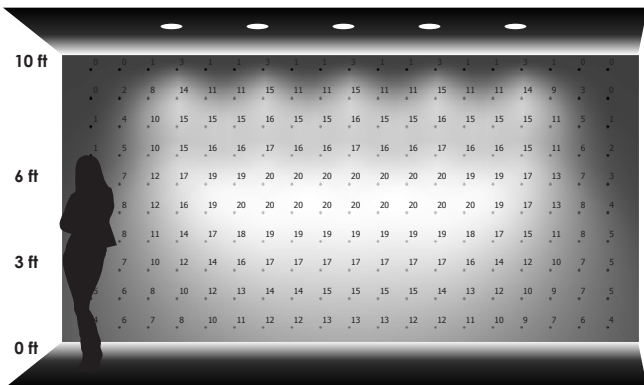
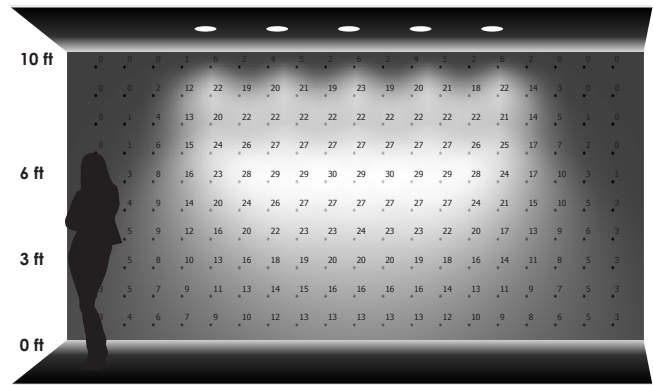
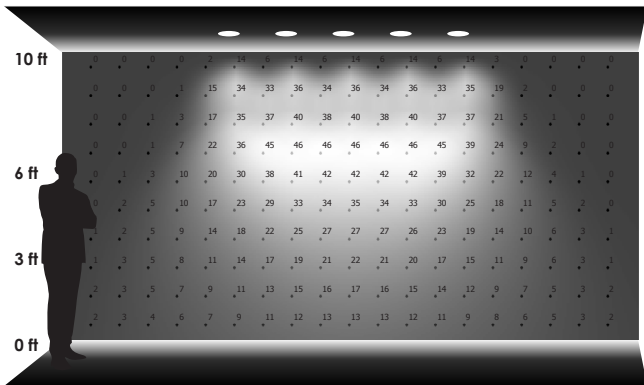
CANDLEPOWER CURVE TEST SP-00677_9	PERFORMANCE SUMMARY	REFERENCE DIAGRAM
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Delivered Lumens: 1,541
 Luminaire Watts: 19.5
 LER: 79.03
 CP at 0deg (Nadir): 1,521
 CRI: 80+
 Lumen Multiplier: 11L x 0.55, 15L x 0.75
 CCT Multiplier: 30K X 0.985, 40K x 1.03



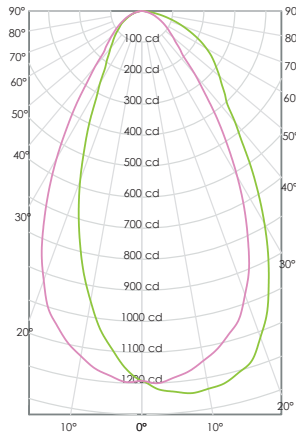
PERFORMANCE DATA - INITIAL ILLUMINATION (FOOTCANDLES) ON WALL - DIRECT LIGHT ONLY



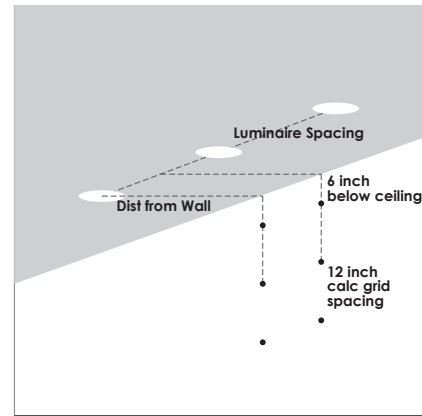
PHOTOMETRIC DATA - 4" ROUND WALL WASH

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

