4" SQUARE RETROFIT / REMODELER
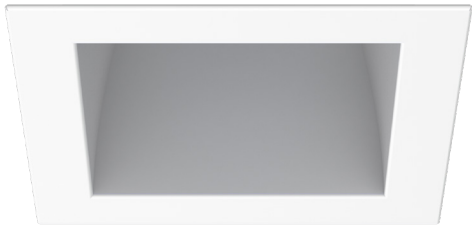
HOUSING DIMENSIONS

RT4SQES - 4" RETROFIT / REMODELER

	A	S1	S2
	5.3	3.9	5.5
	134.6 mm	99.1 mm	139.7 mm

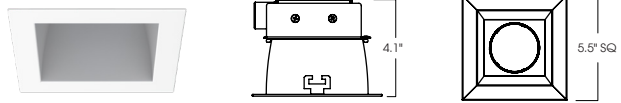Ceiling Cutout: 4.8 SQ

TRIM OPTIONS

RT4SQES - 4" DOWNLIGHT

4.1"

5.5" SQ
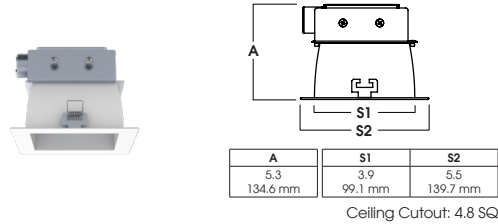
LUMENS / WATTAGE DATA

PART NUMBER	SOURCE LUMENS[1]	DELIVERED LUMENS[2]	SYSTEM WATTS	LPW
RT4SQES11L	1100	866	11	79
RT4SQES15L	1500	1126	15	75
RT4SQES20L	2000	1524	20	78

FEATURES
4" downlight remodelight series with deep regress for visual comfort providing 50° source cutoff. 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)

MODULE SPECIFICATION

SERIES		LUMENS[1]		CCT		DRIVER / VOLTAGE		FINISH		FLANGE FINISH	
RT4SQES	Downlight	11L	1100 Lm	30K	3000K	D1	1%, 0-10V, 120V	SG	Semi-Diffuse	MF[4]	Matching Flange
		15L	1500 Lm	35K	3500K	DX	1%, 0-10V, 120V/277V	MW	Matte White	WF[5]	White Flange
		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		

ACCESSORIES
ORDER SEPARATELY

GOOF RING

GRES4SQ	MW	Matte White
	MB	Matte Black
	PT	Platinum Silver
	CC	Custom Color

EXAMPLE: RT4SQES11L30KDXMWMF

NOTES:
1 Nominal Source Lumens at 35K   **2** Nominal Delivered Lumens 80 CRI at 35K with RT4SQES-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

Dimensions and values shown are nominal. Spectrum Lighting continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.

SPECTRUM LIGHTING INC.

PHOTOMETRIC DATA - 4" SQUARE

RT4SQES-20L35K-DX-SG-xF

CANDLEPOWER CURVE
TEST SP-00834

	0.00°
0.00°	813
5.00°	831
10.00°	869
15.00°	913
20.00°	940
30.00°	835
40.00°	426
50.00°	81
60.00°	16
70.00°	3
80.00°	2
90.00°	1

INTENSITY
CANDELA
0° AZIMUTH

ZONAL LUMENS

0° - 10°	81	5%
0° - 20°	339	22%
0° - 30°	772	51%
0° - 40°	1,231	81%
0° - 60°	1,512	99%
0° - 80°	1,523	100%
0° - 90°	1,524	100%
Total	1,525	100%

SINGLE UNIT: PERFORMANCE
INITIAL FOOTCANDLES
BASED ON IES BEAM ANGLE

Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge
5.5 '	27 fc	8.9 '	6 fc
6.5 '	19 fc	10.5 '	5 fc
7.5 '	14 fc	12.2 '	3 fc
8.5 '	11 fc	13.8 '	3 fc
10.0 '	8 fc	16.2 '	2 fc
12.0 '	6 fc	19.5 '	1 fc
14.0 '	4 fc	22.7 '	1 fc
16.0 '	3 fc	26.0 '	1 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'	36	0.46	19	0.30
12'	8'	24	0.31	20	0.31
16'	12'	8	0.11	10	0.15

Delivered Illuminance Rating: (DIR)	78 FC per W/Sq. Ft.	66 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

Delivered Lumens: 1,525
Luminaire Watts: 19.5
LER: 78.21

CP at 0deg (Nadir): 813
CRI: 80+

Beam Angle: 78.08
Spacing Ratio: 1.34

Lumen Multiplier: 11L x 0.5, 15L x 0.65, 20L x 0.88
CCT Multiplier: 30K x 0.985, 40K x 1.03

ESTIMATOR CONTRACTOR SERIES | **SPECTRUM LIGHTING INC.**