

RSS SERIES

Fluorescent Lighting for Hazardous Locations

- Class I, Division 2, Groups A, B, C & D
- UL 844 Hazardous Location
- UL 1598A Marine Outside Type
- CUL
- Wet Locations
- IP66
- 55° Ambient Temperature
- Stainless Steel

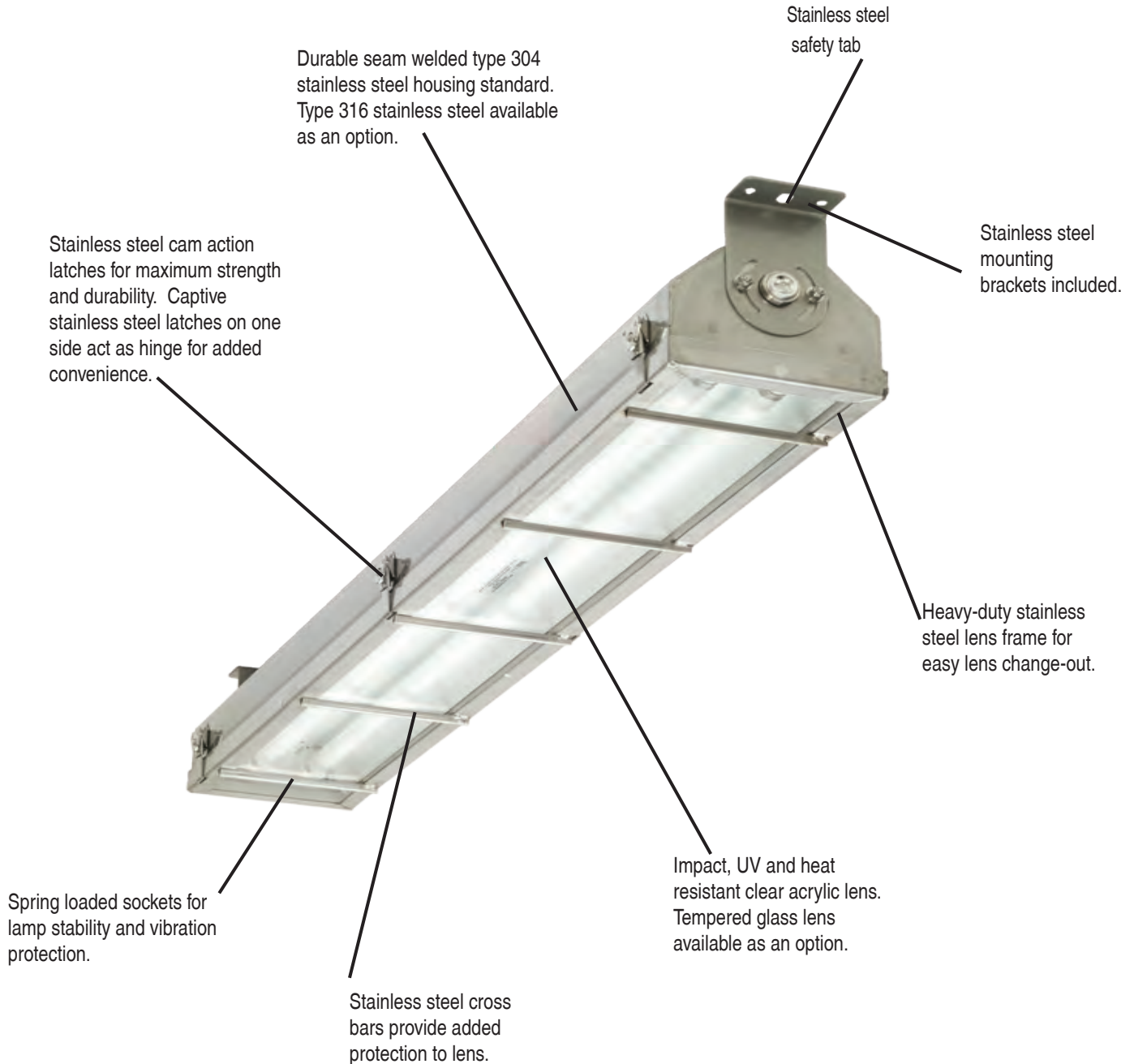


AZZ | R-A-L™
RIG-A-LITE

RSS SERIES

Stainless Steel Fluorescent Lighting for Hazardous Locations

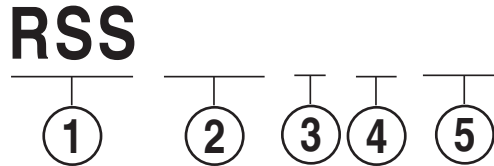
Each RSS Series fixture is individually tested for functional and dielectrical strength at the factory to ensure quality and reliability.



FLUORESCENT RSS Series

Hazardous Locations • Class I, Division 2 • UL 844 • UL 1598A Marine Outside Type • CUL

Catalog Number Logic



①

BASIC SERIES

RSS Fluorescent Fixture
Class I, Division 2, Groups A, B, C & D
UL 844 Hazardous Locations
UL 1598A Marine Outside Type
CUL
Zone 2, Groups IIA, IIB & IIC
IP66
55°C Ambient Temperature

②

LAMP CURRENT/LAMP WATTAGE

800 = 800mA, 60/35 Watt, T12HO¹
460 = 460mA, 54 Watt, T5HO²
430 = 430mA, 34/20 Watt, T12 (export only)
425 = 425mA, 40/20 Watt (DC) Slimline
380 = 380mA, 44 Watt, T8HO²
265 = 265mA, 32/17 Watt, T8
T5 = T5, 28 Watt

③

NOMINAL FIXTURE LENGTH

2 = 2 Foot
4 = 4 Foot

④

VOLTAGE FREQUENCY

E = 12V DC (425mA Only)
F = 24V DC (425mA Only)
G = 32V DC (425mA Only)
H = 347V 60 HZ
U = 120 thru 277V 50/60 HZ

⑤

OPTIONS³

TW = End Mounting/Thru Wire
Cable Installation Only
F = Individually Fused Ballast⁴
R = Radio Interference Filter
L = Lamps
EM = Emergency Battery Backup
316 = SS316L Housing and Lens Frame
P = Polished
TM = Tempered Glass
HL = Hi-Lumen Ballast (T8 Only)
2ST2SC = 2 Safety Tabs & 2 Safety Cables

¹Minimum starting temperature for standard 800mA fixtures is -20°F.

²Available in 4 ft. models only.

³Consult factory for pricing.

⁴Fuse option not available for marine listed fixtures.

Catalog logic is for explaining catalog number structure only. Not all combinations are possible; consult factory for catalog numbers not listed in charts.

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Hazardous Locations • Class I, Division 2 • UL 844 • UL 1598A Marine Outside Type • CUL



- Class I, Division 2, Groups A, B, C and D
- UL 844 Hazardous Locations
- UL 1598A Marine Outside Type
- Stainless Steel
- CUL
- Wet Locations
- IP66

(Lamps not included)

	Description	Hub Size (inches)	Voltage	Catalog Number
Four Foot Fixture	32 Watt, Instant Start Medium Bi-Pin, T8, 265mA, 48"	3/4	120-277V 50/60HZ	RSS265-4-U
	34 Watt, Rapid Start Medium Bi-Pin, T12, 430mA, 48" (export only)	3/4	120-277V 50/60HZ	RSS430-4-U
	60 Watt, Rapid Start High Output, T12 Recessed Double Contact, 800mA, 48"	3/4	120-277V 50/60HZ	RSS800-4-U
	54 Watt, T5 HO Miniature Bi-Pin 2 Lamp, 48"	3/4	120-277V 50/60HZ	RSS460-4-U
	28 Watt, T5 Miniature Bi-Pin 2 Lamp, 48"	3/4	120-277V 50/60HZ	RSST5-4-U
Two Foot Fixture	17 Watt, Instant Start Medium Bi-Pin, T8, 265mA, 24"	3/4	120-277V 50/60HZ	RSS265-2-U
	20 Watt, Rapid Start Medium Bi-Pin, T12, 430mA, 24" (export only)	3/4	120-277V 50/60HZ	RSS430-2-U
	35 Watt, Rapid Start High Output, T12, Recessed Double Contact, 800mA, 24"	3/4	120-277V 50/60HZ	RSS800-2-U
	28 Watt, T5 Miniature Bi-Pin 2 Lamp, 24"	3/4	120-277V 50/60HZ	RSST5-2-U

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Coefficients of Utilization

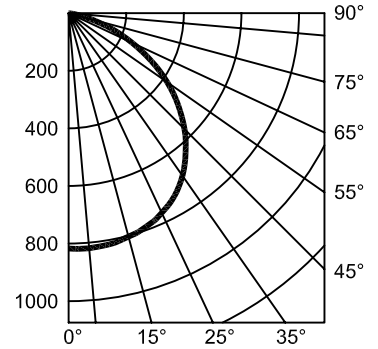
RSS2654U

% Effective Ceiling Cavity Reflectance rcc	80			50			10		
	50	30	10	50	30	10	50	30	10
% Wall Reflectance rw	Effective Floor Cavity Reflectance 20%								
Room Cavity Ratio RCR									
0	.49	.49	.49	.45	.45	.45	.42	.42	.42
1	.43	.41	.40	.40	.39	.38	.37	.37	.36
2	.38	.35	.33	.35	.33	.32	.33	.32	.30
3	.33	.30	.27	.31	.29	.27	.29	.27	.26
4	.29	.26	.23	.28	.25	.23	.26	.24	.22
5	.26	.23	.20	.25	.22	.20	.23	.21	.19
6	.24	.20	.18	.23	.20	.17	.21	.19	.17
7	.21	.18	.15	.21	.17	.15	.19	.17	.15
8	.20	.16	.14	.19	.16	.14	.18	.15	.13
9	.17	.13	.11	.17	.14	.12	.16	.14	.12

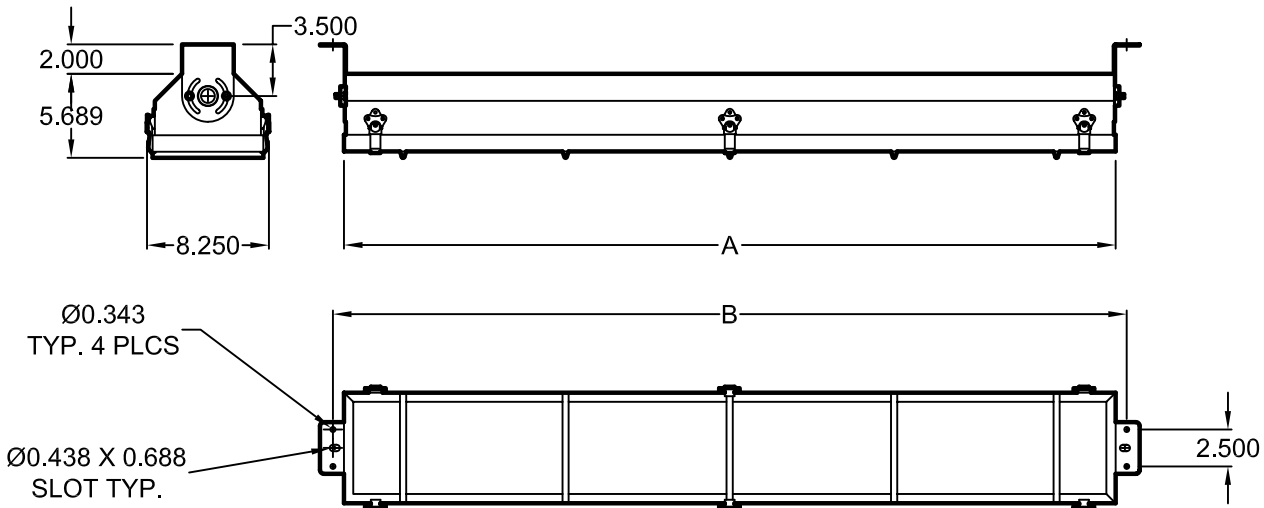
Candlepower Distribution

Deg	Parl.	22.5	45	67.5	Norm
0	817	817	817	817	817
5	814	815	816	818	819
15	788	792	798	801	803
25	736	745	754	763	765
35	660	671	685	690	689
45	555	571	578	572	569
55	428	445	435	425	418
65	278	286	270	250	244
75	121	120	104	88	81
85	12	12	10	8	8
90	0	0	0	0	0

Fluorescent Photometrics



Fixture Dimensions (inches)



RSS SERIES	Dimensions (Inches)		BOXED WEIGHT	SHIPPING VOLUME (BOXED FIXTURE)
	A	B		
4 FT. MODEL	52.25	54.13	35 lbs	1.8 CU. FT.
2 FT. MODEL	28.25	30.13	31 lbs	1.0 CU. FT.

Certification Guide

OPERATING TEMPERATURE CODE		
RSS SERIES	CLASS I, DIVISION 2 GROUPS A, B, C & D	RATED AMBIENT TEMPERATURE
RSS 800/430/265/460/425/T5	T3B (165°C/329°F)	55°C (131°F)

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Accessories



Beam Clamp Mounting Kit

Catalog Number: 53010
Shipping Weight: 7 lbs.
(Included with new fixture purchase)



Beam Clamp

Catalog Number: 38083
Shipping Weight: 4 lbs.