

S2 Series

FLUORESCENT | SURFACE **S**



2x TECHNISEAL® APPLICATIONS:

- UL/CUL Listed Wet Location
- Cleanroom
(Classes 100-100,000; ISO Classes 5-9)
- UL/CUL Hazardous Location
(Class I, Division 2; Groups A, B, C & D
Class II, Division 2; Groups F & G)
- NSF Certified Food Processing
(Splash Zone, Food Zone)
- Industrial & Commercial
- UL Listed Marine
(Inside, Inside Drip-Proof)
- Transit

BENEFITS:

- Luminaires adaptable to your specific needs

FEATURES:

- Available with **IP 65 rating**, add -IP65 suffix (requires stainless steel lens frame)
- Premium electronic ballast standard
- Available in stainless steel construction
- Every luminaire tested with lamps to assure customer satisfaction
- 5 year limited warranty
- Proudly made in **USA**

SPECIFICATIONS:

HOUSING:

Constructed of nominal 20GA (.036) zinc coated steel for unmatched corrosion protection. Two welded, tapered, threaded hubs on the ends provide a sealed wireway access. All seams are sealed with a long life acrylic sealant.

Food Zone: All external metal components of stainless steel (S3 option std).

REFLECTOR:

Fabricated of zinc coated steel, painted with a minimum reflectance of 88%.

LENS FRAME:

Exclusively designed, heavy duty, extruded, anodized aluminum with stainless steel captive screws used to hold the lens frame tight to the housing. The frame is supported by two cables while servicing.

Food Zone: All external metal components of stainless steel (S3 option std).

GASKETING:

An extruded, ribbed vinyl gasket seals the lens into the frame; with our exclusive, mechanically held, extruded, silicone gasket used to seal the frame to the housing.

Food Zone: Silicone sealant is used to seal the lens into the frame, with EPDM sealing the frame to the housing.

FINISH:

Painted surfaces are two mil white polyester enamel, special colors available.

LENS:

.140 extruded prismatic acrylic with 50% DR content for durability, smooth side out.

Food Zone: .156 extruded prismatic polycarbonate, smooth side out.

ELECTRICAL:

All ballasts and lampholders are UL Listed.

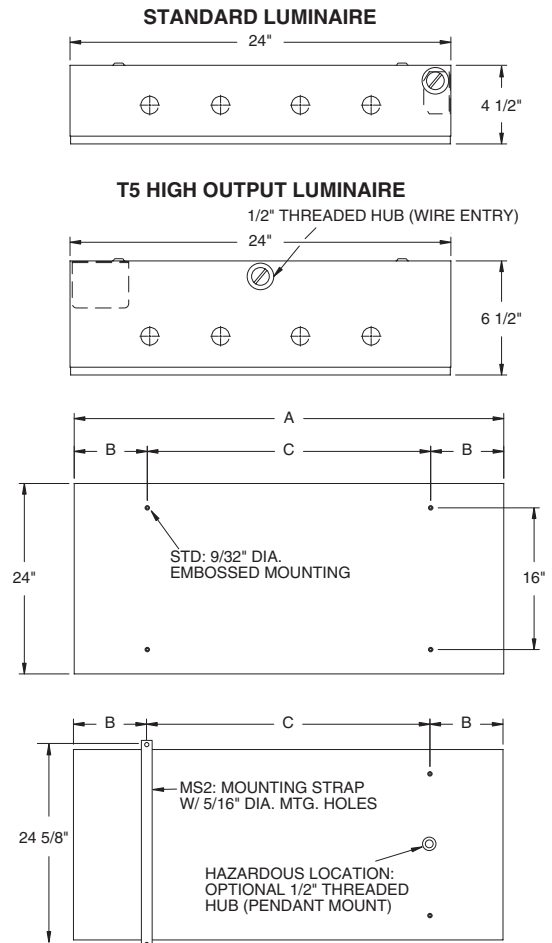
Marine: Utilizes a three gang terminal block for electrical connections.

MOUNTING:

Surface or custom detail available for covered ceiling installations.

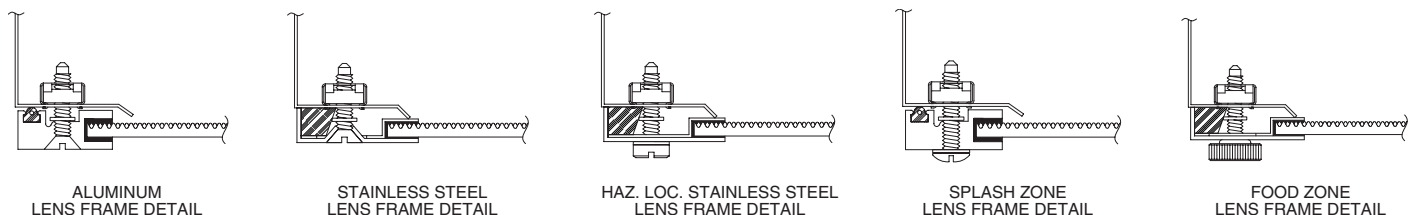
TEMPERATURE CODE:

Class I, Div. 2= T5 (100°C); Class II, Div. 2= T5 (100°C)



LENGTH	DIMENSIONS IN INCHES		
	A	B	C
2 FT	24	4	16
3 FT	36	10	16
4 FT	48	8	32

LENS FRAME DETAILS:



REV 4/05



Hazardous Location:



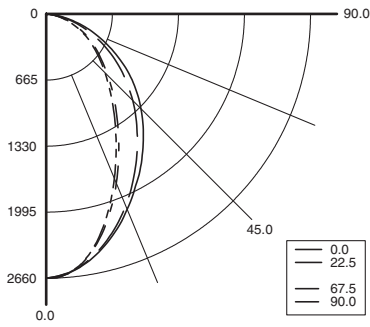
Food Processing: NSF

S2 Series



PHOTOMETRICS:

Model S22324-R5, 4FT, Specular Reflector and Prismatic Acrylic Lens, 2 32W T8 Lamps, Lamp Lumen Rating = 3050



Coefficients of Utilization, Zonal Cavity Method

Floor Cavity Reflectance: 20%

RC	.8				.7				.5				.3				.1				0
RW	.7	.5	.3	.1	.7	.5	.3	.1	.5	.3	.1	.5	.3	.1	.5	.3	.1	.5	.3	.1	0
R 0	95	95	95	95	92	92	92	92	88	88	88	84	84	84	81	81	81	79			79
C 1	87	84	81	78	85	82	80	77	79	77	75	76	74	72	73	72	70	69			69
R 2	80	74	69	65	78	73	68	65	70	66	63	68	64	62	65	63	60	59			59
3	74	66	60	56	72	65	59	55	63	58	54	60	56	53	58	55	52	51			51
4	68	59	53	48	66	58	52	48	56	51	47	55	50	46	53	49	46	44			44
5	63	54	47	42	61	53	46	42	51	46	41	49	45	41	48	44	40	39			39
6	59	49	42	37	57	48	42	37	47	41	37	45	40	36	44	40	36	35			35
7	55	44	38	33	53	44	38	33	43	37	33	42	37	33	40	36	33	31			31
8	51	41	34	30	50	40	34	30	39	34	30	38	33	30	37	33	30	28			28
9	48	38	32	27	47	37	31	27	36	31	27	36	31	27	35	30	27	26			26
10	45	35	29	25	44	35	29	25	34	29	25	33	28	25	32	28	25	23			23

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	1740	28.5	35.8
0-40	2626	43.1	54.1
0-60	4110	67.4	84.6
0-90	4857	79.6	100
90-120	0	0	0
90-130	0	0	0
90-150	0	0	0
90-180	0	0	0
0-180	4857	79.6	100

Total Luminaire Optical Efficiency = 79.6%
Spacing Criterion: 0° = 1.06, 90° = 0.87

2x TECHNISEAL® SURFACE TROFFER ORDERING INFORMATION:

SERIES	LAMP QTY	LAMP TYPE	LENS	OPT MATERIAL	OPTIONS	VOLTAGE
S2 Wet Location Cleanroom	2* 3*		2 .125 Clear Acrylic (No Pattern) 3 .125 White Acrylic		EMERGENCY B1 Bodine BDL700 (0-50°C) B2 Bodine BDL500 (0-50°C) N/A <3FT B3 Bodine BDL900 (0-50°C) B9 Bodine BHD65U (Hazardous Location) N/A <3FT	120V/60Hz Standard 277V/60Hz 347V/60Hz 50Hz & Other Voltages Available
HS2* Hazardous	4* Standard		4 .140 Prismatic Acrylic (P12) (base)		BALLASTS D1 Lutron Dimming ECO-10 D2 Electronic Dimming D4 < 10% THD (Consult Factory) D8 Low-Temp Magnetic Ballast (N/A T8) D9 Magnetic Ballast E2 2 Electronic Ballasts E3 3 Electronic Ballasts E4 4 Electronic Ballasts E9 Rapid Start Electronic Ballast	LENSING FOOD ZONE ONLY H5 .156 C73 Tempered Glass H6 .187 Clear Tempered Glass J0 Lamp Sleeves (Specify Color) J4 .020 White Acrylic Overlay (Lamp Side) J6 .080 Clear Polycarbonate Overlay
SS2 Splash Zone	6* (T5 Only)		6 .125 Clear Polycarbonate (No Pattern)		FUSING F1 GLR/HLR Fusing (Fast) F2 GMF/HLR Fusing (Slow)	MOUNTING M1 Pendant Mount (Pendants By Others) M2 Mounting Bracket Kit (Surface / Chain)
FS2 Food Zone	8* (T5 Only)		7 .125 White Polycarbonate		LENSING WET/HAZ/MAR H2 .150 Extra Heavy Clear Acrylic H3 .150 Extra Heavy White Acrylic H5 .156 C73 Tempered Glass H6 .187 Clear Tempered Glass J0 Lamp Sleeves (Specify Color) J2 .060 Clear Acrylic Overlay J4 .020 White Acrylic Overlay (Lamp Side) J6 .080 Clear Polycarbonate Overlay J7 Louver (Specify) J9 RFI Lens (Specify Pattern) K1 .156 Prismatic Acrylic (P19) K3 .187 KSH-12 Acri-Tuf Acrylic K6 External Prisms	MISC IP65 IP rated P9 Special Paint Color (Provide Paint Code & Chip) R5 Specular Aluminum Reflector S1 Special Material (Consult Agent) T3 Tamper Resistant (Spanner STD, Others Avail.) V3 No Silicone Sealant Used W4 Inboard Outboard Wiring (Dual Switching) W5 Rear Wire Entry Y1 Nite Lite (Consult Agent) Y5 RFI Suppressors
RS2 Marine Inside			8 .156 Prismatic Polycarbonate (P12) (base)	S2 Stainless Steel Housing S3 Stainless Steel Exterior S5 Stainless Steel Lens Frame Only		
MS2 Inside Drip-proof			9 .187 Tempered Glass (P62)	304 SS Standard, 316 SS and other materials available, consult agent		

* Lamp Type Available for Hazardous Location.
Other Wattages and Lengths Available, Consult Factory.

NSF Food Processing Note:
Food Zone (F prefix) luminaires come in DIRECT CONTACT with food.
Splash Zone (S prefix) units may become soiled, but are outside the danger of recontamination.

Information subject to change without notice. Lamps supplied by others.

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Project Information: