

Maximum versatility, highly efficient and simple to use.

TU SERIES RS/SL TURRET INDUSTRIAL



TURRET INDUSTRIAL FLAT REFLECTOR 48" AND 96" LENGTHS 2, 3, AND 4 T8 LAMP

Rugged telescoping turret lamp holders. Optimum 6" lamp spacing (2 lamp). Reflector is embossed for rigidity. Reflector sides are turned up for rigidity and safe handling. 15% aperture reflector, standard. Solid top reflector, optional. Reflector secured to housing with easy to use thumb screws. 4⁵/₈" wide channel type housing. Fully enclosed wiring. Reflector row aligner included. Reflector post painted with 89% reflectance white polyester paint. Optional silver reflector.

Project: _____
Location: _____
Catalog No: _____
Fixture Type: _____
Mfg: _____ Lamps: _____ Qty: _____
Notes: _____

Ordering Guide

Explanation of Catalog Number Example: TU248-UNVHI

Turret Industrial	Number of Lamps in a Luminaire Cross Section	Lamp/Fixture Length/Watts	Voltage	Ballast Type	Options
TU					
Flat Reflector 4 ⁵ / ₈ " Wide x 2 ⁵ / ₈ " Deep Channel Housing	2 = 2 lamps 3 = 3 lamps 4 = 4 lamps (In Luminaire Cross Section)	48 = Nominal 48" 48T = Nominal 96" 96S = Nominal 96" 59W Slim Line 28 = Nominal 48" (T5) 54 = Nominal 48" (T5HO)	UNV = 120/277V 120 = 120V 277 = 277V 347 = 347V	HI = 2 Lamp T8 Electronic I.S. THD<10% H3 = 3 Lamp T8 Electronic I.S. THD<10% H4 = 4 Lamp T8 Electronic I.S. THD<10% PG = 2 Lamp T5/T5HO Electronic P.S. THD<10%	Add Appropriate Suffix to Catalog No.

Features

- Rugged telescoping turret lampholders.
- Optimum 6" lamp spacing (2 lamp units).
- Reflector is embossed for rigidity.
- Reflector sides are turned up for rigidity and safe handling.
- 15% aperture reflector, standard.
- Solid reflector available.
- Reflector secured to housing with easy to use ¼ turn thumb screws.
- 4½" wide clevis type housing channel.
- Fully enclosed wiring.
- Optional slide grip hangers.
- Optional heavy duty coupling, wire guards and reflector aligners.
- Optional lens.

Specifications

Materials: Chassis parts are die-formed code gauge cold rolled steel.

Reflector: Heavy duty die-formed with deep lateral embossments for additional stability and uniformity with positive securing thumb screws for attachment to housing.

Finish: Chassis—white polyester enamel. Phosphate undercoating. Reflector—baked white polyester enamel (standard), porcelain reflector finish (optional).

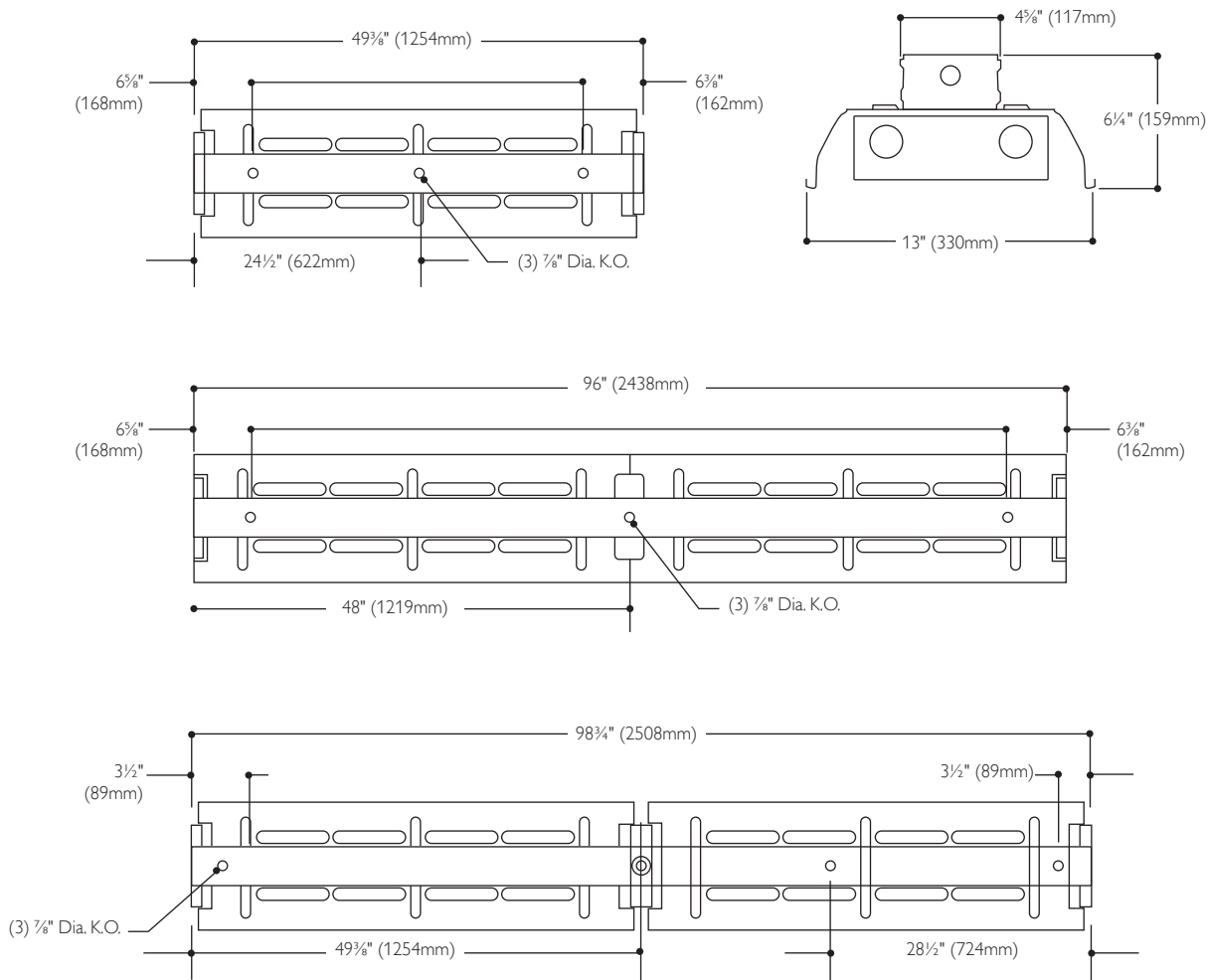
Electrical: Thermally protected class "P" ballast C.B.M. approved, non PCB. If K.O. is within 3" of ballast, use wire suitable for at least 90°.

Labels: Listed by CSA.

This product may have a mercury containing lamp. Manage in accord with Disposal Laws.

See: www.lamprecycle.org

Dimensions



Photometry

Report Number: LSC9662

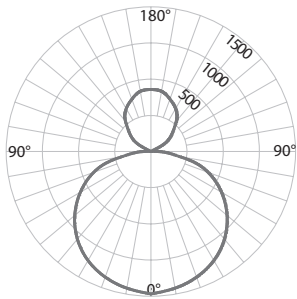
Catalog Number: TU248-UNVHI

Lamp: (2) F32T8

Lumens per Lamp: 2950

Luminaire Input Watts: 60.1

Efficiency: 85.7%



Candela Distribution

Angle	0.0	22.5	45.0	67.5	Across
0	1480	1480	1480	1480	1480
5	1487	1494	1484	1479	1476
15	1438	1448	1443	1438	1436
25	1338	1348	1355	1352	1346
35	1213	1211	1221	1240	1243
45	1022	1031	1074	1158	1165
55	793	807	914	852	821
65	547	593	592	630	642
75	265	339	383	262	218
85	58	75	57	49	38
90	11	17	10	16	6
95	12	15	3	9	3
105	59	11	12	29	40
115	130	29	9	14	15
125	190	62	16	15	8
135	259	123	65	31	13
145	319	231	121	78	60
155	358	334	195	146	133
165	389	387	366	319	297
175	408	396	412	410	399
180	407	407	407	407	407

Coefficients of Utilization

Ceiling	80%			70%			50%			
Wall	70	50	30	50	30	10	50	30	10	
RCR	Zonal Cavity Method—Effective Floor Cavity Reflectance = 0.20									
Room Cavity Ratio	1	92	88	84	85	82	79	60	77	75
	2	84	77	72	75	70	65	70	66	63
	3	76	68	61	66	60	55	62	57	53
	4	70	60	53	58	52	47	55	50	45
	5	64	53	46	52	44	39	49	43	38
	6	59	47	40	46	39	34	44	38	33
	7	54	42	35	41	34	29	39	33	29
	8	50	38	31	37	33	25	35	29	25
	9	46	34	27	33	27	22	32	26	21
	10	42	31	24	30	24	19	29	23	19

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixt
0-30	1172	19.87	23.20
0-40	1939	32.87	38.37
0-60	3527	59.79	69.80
0-90	4533	76.84	89.71
40-90	2594	43.97	51.35
60-90	1005	17.05	19.90
90-180	520	8.82	10.29
0-180	5053	85.66	100.00

Options/Accessories

Emergency Power Pack: Factory installed emergency power pack includes charger and inverter concealed in fixture channel. Upon loss of AC power, operates one lamp at high lumen output for a period of 90 minutes. For 347V consult your Philips Lighting representative. Suffix: **E** (std. Bodine LP600) **O** (B100-CAN for T8 lamps).

Electrical Wiring Options: Consult your Philips Lighting representative.

Radio Interference Filter: UNV or 347V Suffix **R**.

Reflector: Use suffix **SD** for solid reflector.

Shielding: Lens order catalog number: **TU9LN4**.

Housing Row Couplers: For continuous row mounting (stem/chain). One per joint required. Catalog number **TU9PLC**.

Wire Guards: Hinge and latch positive-lock construction, complete with Longitudinal and transverse struts for secure protection. Catalog number **TU9G4**.

Reflector Row Aligners: Tough, plastic aligners for luminaire reflectors catalog number **EE9RA**.



Stem and Canopy Sets:

Suspends luminaire 12", 18", 24", 36", 48" from surface and can be used in conjunction with Heavy Duty Slide Grip Hanger.

Catalog Number:
STKF12 (12"), **STKF18** (18"),
STKF24 (24"), **STKF36** (36"),
STKF48 (48").



Canopy Spacer (1½"):

Suspends luminaire approximately 1½" from surface.

Catalog Number: **STSK**



Chain Hanger Kit:

Two 24" heavy duty link chains with sturdy "V" hooks that grip luminaires at four knockout points for level suspension.

Catalog Number: **EE9HC**



Heavy Duty Slide-Grip Hanger:

Catalog Number: **EE9H3**



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www.philips.com/luminaires

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