

# Hand & Racquetball (TF)

## Hand and Racquetball Specification

Hand and Racquetball fixtures are designed for recessed wet plaster or similar applications. Available in 100 to 250 watt mogul base high pressure sodium lamp and 175 to 400 watt mogul base metal halide lamp. Available with 120/277 volt, 60Hz ballast. Luminaire shall be completely pre-wired for ease of installation with 5' of #16 Vulkene wire leads and 3/8" connector for quick field connection (flex. by others).

## Basic Product Description

Heavy gauge steel housing is die formed and welded to form a rigid frame supporting the reflector. The steel door frame, with 2 positive lock screws, has lift-out concealed hinges for easy servicing. Housing and lens frame are finished in a baked white enamel, complementing the overall appearance of each assembly. Socket housing contains mogul base porcelain socket with nickel plated lamp grip screw shell eliminating lamp loosening. The TF shall be suitable for (T-bar) grid type, or for wet plaster ceilings by using the plaster frame kit. After installation the bottom surface of the fixture must be flush with the ceiling.

## Ballast Characteristics

The 2 X 2 Recessed fixture contains a U.L. listed high power factor, constant wattage auto-transformer, 120/277V dual-volt F-can type ballast for extra quiet operation, with auto-reset thermal protection. Ballast will start and operate lamps down to -20°F (-30°C) for metal halide and -40°F (-40°C) for high pressure sodium. Mercury vapor lamps may be used in metal halide fixtures.

## Reflector Assembly

A patterned, stucco finished aluminum reflector is fabricated into a one piece welded unit. A wide beam distribution is achieved by a #73 Corning high impact resistant, 5/32 tempered prismatic glass lens.

## Suggested Applications

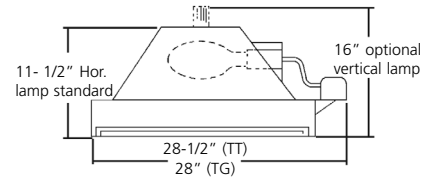
Racquetball, handball and squash courts.



Lamp not included



WEIGHT = 40-43 lbs

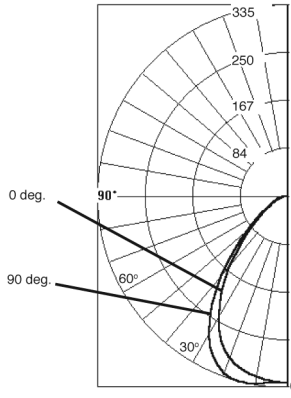


Ordering Example							
Unit	Wattage	Photometrics	Mounting	Lamp Style	Voltage	Ballast Style	Options
TF	2	5	8	H	120	H	CO
Hand & Racquetball	1 - 100 2 - 150 3 - 175 4 - 250 6 - 400	5 - Wide Beam	8- Recessed	H - Metal Halide LS - High Pressure Sodium	120/277	H - High Power Factor	CO - Corning #73
					<b>Accessories</b>		
					<b>SIF</b>		
					SIF - Single Inline Fuse		
					EM - Emergency Quartz Relay and Socket		
					EM60 - Emergency Quartz Delay Relay and Socket		
					QS - Quartz Socket Only (aux. power required)		
					DP - Damp Location		
					TP - Tamper Resistant Screws		
					VL - Vertical Lamp		
					TA - Top Access		
					POS - Position Oriented Socket (Super MH only)		
CSA Certification - consult factory.							



# Hand & Racquetball (TF)

## Photometrics



ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0-30	280.9	26.1	41.2
0-40	404.4	40.4	63.9
0-60	572.6	57.3	90.4
0-90	633.3	63.3	100.0
90-180	0.0	0.0	0.0
0-180	633.3	63.3	100.0

	COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD																							
	80				70				50				30				10				0			
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
0	75	75	75	75	74	74	74	74	70	70	70	67	67	67	65	65	65	63	63	63	63	63	63	
1	71	68	66	65	69	67	65	63	64	63	62	62	61	60	60	59	58	57	57	57	57	57	57	
2	66	62	59	56	65	61	58	56	59	57	55	57	55	53	55	54	52	51	51	51	51	51	51	
3	62	57	53	50	61	56	52	49	54	51	49	53	50	48	51	49	47	46	46	46	46	46	46	
4	58	52	48	45	57	51	47	44	50	46	44	49	46	43	47	45	43	42	42	42	42	42	42	
5	54	48	43	40	53	47	43	40	46	42	39	45	41	39	44	41	39	37	37	37	37	37	37	
6	51	44	39	36	50	43	39	36	42	38	35	41	38	35	40	37	35	34	34	34	34	34	34	
7	47	40	35	32	46	40	35	32	39	35	32	38	34	32	37	34	31	30	30	30	30	30	30	
8	44	37	32	29	43	36	32	29	36	32	29	35	31	29	34	31	28	27	27	27	27	27	27	
9	41	34	29	26	40	33	29	26	33	29	26	32	28	26	31	28	26	25	25	25	25	25	25	
10	38	31	27	24	38	31	26	24	30	26	23	30	26	23	29	26	23	22	22	22	22	22	22	

Catalog Number: TF-658H-CO  
Lamp: Phosphor Coated Metal Halide

Reflector: Pyramidal patterned surface reflector; flat prismatic door glass  
Lumens: Per 1,000 lamp lumens  
Efficiency: 63.3%  
CIE Type: Direct  
Luminaire Spacing Criteria: 1.1 - 0 Deg.  
1.2 - 90 Deg.

Candela & Lumen values are based on 1,000 lamp lumens. For other lamp lumen ratings, multiply candela and lumen values by the number: Lumens divided by 1,000.

Per 1,000 Lamp Lumens

DEG	CANDELA	LUMENS
0	0.0	90.0
0	326.0	326.0
5	325.0	328.0
15	313.0	335.0
25	277.0	310.0
35	201.0	232.0
45	117.0	133.0
55	59.0	67.0
65	33.0	30.0
75	19.0	18.0
85	6.0	5.0
90	0.0	0.0