

# FLUORESCENT HIGH BAY TRAPEZOID OPEN FIXTURE MFHBTO

## Application

Ideal HID High/Low Bay Replacement.

## Construction

**Reflectors:** Precision formed, high performance, 95% total reflectance specular reflector, warranted for 25 years or 91% total reflectance white pre-painted aluminum. Optional 5% Uplight

**Body:** Body, ends and brackets are manufactured from code gauge cold rolled steel and have white baked enamel finishes. The body of fixture is constructed for additional strength and reduction of air infiltration.

**Ballast:** Standard ballast are high performance electronic, Class P, non PCB, sound rated A, UL certified.

**Mounting:** fixture may be suspended by chain or aircraft grade steel cable.



## Electrical

UL listed wire rated for required temperature and voltage. Lamps are secured with twist-locking sockets.

## Warranty

One year standard warranty on fixture. Ballast carries 3-5 year manufacture warranty.

## Options

Lamps, Aircraft Wire Hanger, Sensors, Cord / Plug. Wireguard, 347 and 480v Package. (See available options)

## Features

- Total Luminaire Efficiency: 87.1%
- Spacing Criteria 0-Deg: 1.3, 90-Deg:1.4
- Available in both T8 and T5
- Factory supplied lamps are available in various CRI ratings, temperature colors and rated life Ballast and wiring access
- Ballast and wiring access without the use of tools.
- Instant Restrike
- Dimming/Occupancy sensor compatible

## Ordering Information

Use the Flow chart below to configure the part number. Actual part number may vary due to configuration.

<b>MFHBTO</b>	<b>Type</b> HBTO10, MFHBTO20 High Bay Trapezoid Fixture
	<b>Number of Lamps Req'd</b> 24 - 4-4', 44 - 4-4', 64 - 6-4', 84 - 8-4'
	<b>Ballast</b> T8H - T8 "H" (120-277v) T8N - T8 "N" (120-277v) T5H - T5 "H" (120-277v) * 347 and 480v see options
	<b>Reflector Material</b> W - White pre painted aluminum 91% TR U - Ultimate aluminum 95% TR
	<b>Sensor</b> <input type="checkbox"/> - All Lamps <input type="checkbox"/> - Portion of Lamps
	<b>Options See Options Sheet</b> <input type="checkbox"/> - Lamps <input type="checkbox"/> - Cord <input type="checkbox"/> - Plug <input type="checkbox"/> - Hanging Method <input type="checkbox"/> - Wireguard <input type="checkbox"/> - Tube Guards <input type="checkbox"/> - 347/480v Package

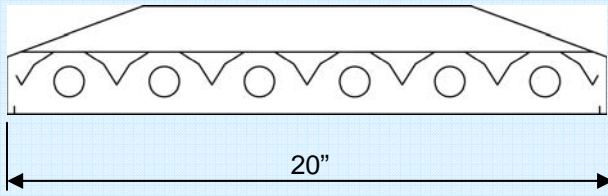
## Photometrics

### Coefficient of Utilization

#### 6 FO32 Fixture Report

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	103	103	103	103	101	101	101	101	96	96	96	92	92	92	89	89	89	87
1	94	90	86	83	92	88	85	81	84	81	79	81	79	76	78	76	74	72
2	86	78	72	67	83	77	71	66	74	69	65	71	67	63	68	65	62	60
3	78	69	62	56	76	67	61	55	65	59	54	62	57	53	60	56	52	51
4	71	61	53	47	69	60	53	47	58	51	46	55	50	46	54	49	45	43
5	66	54	47	41	64	53	46	40	52	45	40	50	44	40	48	43	39	37
6	61	49	41	35	59	48	41	35	47	40	35	45	39	35	44	38	34	33
7	56	44	37	31	55	44	36	31	42	36	31	41	35	31	40	34	30	29
8	52	40	33	28	51	40	33	28	39	32	28	38	32	27	36	31	27	26
9	49	37	30	25	47	36	30	25	35	29	25	35	29	25	34	28	24	23
10	46	34	27	23	45	34	27	22	33	27	22	32	26	22	31	26	22	21

## Specifications



ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0- 30	4114	23.6	27.1
0- 60	11912	68.5	78.6
0- 90	15149	87.1	99.9
90-180	0	0.0	0.0
0-180	15158	87.1	100.0

**Total Fixture Efficiency: 87.1%**

