

FLUORESCENT HIGH BAY TRAPEZOID FIXTURE

MFHBT

Application

Ideal replacement for HID high/low bay fixtures in cold, high dust, or lamp protected environments.

Construction

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

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 manufacturer's warranty.

Options

Door, lamps, aircraft wire hanger, sensors, cord and plug. 347 and 480v package (see available options).

Features

- Ideal HID Replacement for cold, high dust, or lamp protected environments
- Optional hinged door and lens
- Total Luminaire Efficiency: 85.1%
- Available in both T8 and T5
- Compact and lightweight
- Spacing Criteria 0-Deg: 1.2, 90-Deg: 1.2
- Factory supplied lamps are available in various CRI ratings, temperature colors and rated life
- 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.

MFHB	Type HBT High Bay Trapezoid Fixture
	Number of Lamps Req'd 4 - 4'-4" 6 - 6'-4" 8 - 8'-4"
	Ballast T8H - T8 "H" (120-277v) T8N - T8 "N" (120-277v) T5H - T5 "H" (120-277v) <small>*347 and 480v see options</small>
	Reflector Material W - White pre painted aluminum 91% TR U - Ultimate aluminum 95% TR
	Sensor <input type="checkbox"/> All Lamps <input type="checkbox"/> Portion of Lamps
	Options See Options Sheet <input type="checkbox"/> Door w/Clear Lens <input type="checkbox"/> Freezer Package 10° <input type="checkbox"/> Freezer Package 0° <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

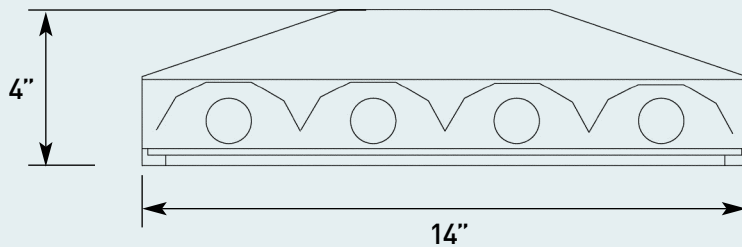
Photometrics

Coefficient of Utilization

4 F032 Fixture Report Number LTL 14608

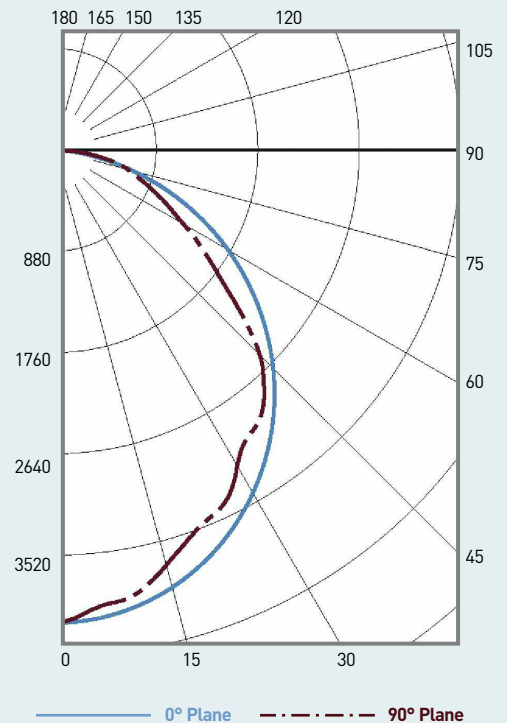
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	101	101	101	101	99	99	99	99	95	95	95	91	91	91	87	87	87	85
1	93	90	86	83	91	88	85	82	84	82	80	81	79	77	78	76	75	73
2	86	79	74	70	84	78	73	69	75	71	67	72	69	66	69	67	64	62
3	79	71	64	59	77	69	63	59	67	62	57	64	60	57	62	59	56	54
4	72	63	56	51	71	62	55	50	60	54	50	58	53	49	56	52	48	46
5	66	56	48	43	65	55	48	43	53	47	42	51	46	42	50	45	41	40
6	61	50	43	37	60	49	42	37	48	42	37	46	41	37	45	40	36	35
7	56	45	38	33	55	44	37	33	43	37	32	42	36	32	41	36	32	30
8	52	40	33	28	51	40	33	28	39	32	28	38	32	28	37	32	28	26
9	48	36	29	25	47	36	29	24	35	29	24	34	28	24	33	28	24	22
10	44	33	26	22	43	33	26	22	32	26	22	31	25	21	30	25	21	20

Specifications



ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIX
0-30	3061	24.7	29.0
0-60	8557	69.1	81.1
0-90	10554	85.1	100.0
90-180	0	0.0	0.0
0-180	10554	85.1	100.0

Total Fixture Efficiency: **85.1%**



— 0° Plane - - - - 90° Plane

Harris Lighting
Innovative Efficient Solutions