

# HBVT Fixture

**Applications:** Freezers, Green Houses, Tunnels, Food Processing Plants, Manufacturing Facilities, Gymnasiums, Outdoor applications, Synthetic Treatment Facilities; replaces 250-400 Watt HID's



Available in 4-Lamp, and 6-Lamp configurations  
(6-Lamp T8 fixture shown)

**General Description:**

The HBVT Series Fixtures are gasketed 4-Lamp and 6-Lamp T5HO and T8 fixtures ideal for replacements of 250-400 Watt HID fixtures.

The one-piece molded, fiberglass reinforced housing and anti-fungal gasket design make these fixtures popular for facilities that are wet, dusty or subject to corrosion and outdoor exposure.

The HBVT Series Fixtures also have numerous optional features that can be ordered to comply with the application requirements; i.e., 40°C (104°F) listed fixture, impact resistant lens options, motion sensor as well as cord and plug selections.

**Electrical:**

- NEMA 4X
- NSF certified
- UL746 outdoor rated
- CUL 1598 wet location
- UL94 flammability rated housing
- Internally fused electronic ballast
- IP67 (dust tight and temporary immersion)
- Quick ballast disconnect
- Optional 40°C listing (104°F)
- Cord and plug options

**Benefits:**

- High corrosion resistance
- Anti-fungal gasket
- Use fewer fixtures, less replacement cost
- Low dirt depreciation
- Easy maintenance
- Resists abuse
- Durable construction
- Long service life
- Can be used anywhere, indoor and out

**Features:**

- Dust proof
- Tool-free re-lamping
- Stainless steel hardware
- Paint-free finish
- Narrow or wide beam optics
- 1500 PSI hose down
- -20°F starting ballast available
- Impact resistant lens options
- Motion sensor option

**Housings:** One piece molded, fiberglass-reinforced housing. Rounded fixture housing cleans easily (food certified)

**Mounting Options:** Stainless steel v-hook or gripple mounting

**Gasket:** Continuous closed cell non-delaminating gasket

**Latches:** 12 stainless steel captive latches

Input Wattage / Lumens		
Fixture Configuration	System Wattage	Lumens
4-Lamp, 32 Wattage	144	13,800
6-Lamp, 32 Wattage	228	21,240
4-Lamp, 54 Wattage	236	20,000
6-Lamp, 54 Wattage	354	30,000



**COMMERCIAL LIGHTING COMPANY**  
Manufacturing & Assembly | Fluorescent Lighting Fixtures & Retrofit Kits

4930 Leary Avenue NW | Seattle, WA 98107  
800-992-5483 toll free | 206-682-6385 office | 206-624-6163 fax

[www.commerciallightingcompany.com](http://www.commerciallightingcompany.com)



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**\*Reflector Material Type**

EA = 95% Enhanced Aluminum  
 WA = 91% White Aluminum

**Fixture Dimensions:** 51.875" x 14.625"

## HBVT Fixture Ordering Guide

HBVT	Lamps	Lamp Type	Wattage	Fixture Length	Reflector*	Ballast	Motion Sensor	Cord & Plug	40°C listed
Gasketed High Bay <b>HBVT</b>	4-Lamps 6-Lamps	T5 T5HO T8	32 = 32 Watt T8 54 = 54 Watt T5 54 = 54 Watt T5HO	48 = 4ft	EA = 95% WA = 91%	L = Low N = Normal H = High 4 = 480 Volt			



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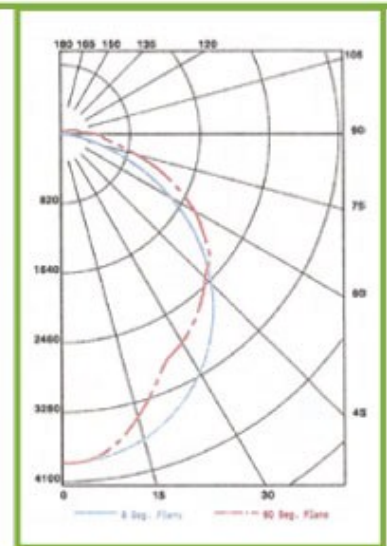
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## HBVT Fixture

Coefficients of Utilization – Zonal Cavity Method									
Effective Floor Cavity Reflectance 0.20									
RC	80%			50%			10%		
RW	70%	50%	10%	50%	30%	10%	50%	30%	10%
0	108	108	108	100	100	100	90	90	90
1	98	94	86	87	84	81	79	77	75
2	89	82	70	76	71	67	69	66	63
3	82	72	59	67	61	57	62	57	54
4	75	64	50	60	53	48	55	50	46
5	68	56	42	53	46	41	49	44	39
6	63	51	36	47	41	35	44	38	34
7	58	45	32	43	36	31	39	34	30
8	53	41	27	38	32	27	36	30	26
9	49	36	24	34	28	23	32	26	22
10	46	33	21	31	25	20	29	24	20



**Plane** 0-DEG 90-DEG  
**Spacing Criteria** 1.2 1.3  
**Efficiency** 91.3%  
**Report Number** LTL14141



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