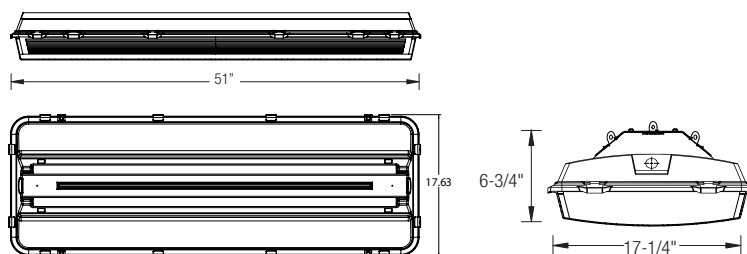


T8 HYDRO BEAM FLUORESCENT IP & NEMA RATED HIGH BAY WIDE BODY (4 & 6-LAMP T8)



APPLICATION:

Food processing facilities, sports complexes, warehouses, outdoor canopies, cold storage facilities and manufacturing facilities.

PRODUCT FEATURES:

- Contoured component surfaces reduce the buildup of debris and permit easy cleaning
- Hinged universal gear tray for trouble-free maintenance
- Available with specular reflector as option
- Stainless steel cam-action latches come standard and optional tamper-proof screws available
- Universal mounting bracket included for surface mounting
- The back of the housing has a 10 degree slope to satisfy the requirements in the food industry which are more stringent than NSF standards
- Clear UV-stabilized polycarbonate lens with linear pattern on perimeter
- Comes standard with 2 GE Pro-Line MVOLT model number GE332-MV-H
- CEE qualified ballast comes standard on most fixture options (Consult factory for details)

HOUSING

- Reinforced polyester compound • UL 5VA flammability • Weatherability rated

GASKETING

Continuous-poured-in-place gasket seals off contaminants

APPROVALS

- NSF Splash Zone 2 • IP67 • IP65
- Hose Down-1300 PSI • NEMA-4X

LISTING

UL/C-UL listed to US and Canadian standard

WARRANTY

Guaranteed for five years against mechanical defects



Ordering Information > Example: HD1B-6-32-T8-ADV-10-MVOLT

HD1B	6	32-T8						
SERIES	LAMPS	LAMP TYPE	VOLTAGE ¹	# OF BALLAST	BALLAST FACTOR	LAMP INSTALLED		
HD1B - Oracle Hydro Beam High Bay	6	32-T8 - 32W/T8	(Blank)- MVOLT (120/277) 120 277 347 480	6-lamp (Blank)- 2 Ballasts 3- 3 Ballasts	(Blank)- Normal BF HBF- High BF LBF- Low BF	(Blank)- No lamp L30K- 3000K L35K- 3500K L41K- 4100K L50K- 5000K		

BALLAST CONFIGURATION & CODE	
32W/T8	DESCRIPTION
(Blank)	Electronic Instant Start
EPS	Electronic Program Start
ADV-7	Advance Mark-7 ²
ADV-10 ¹	Advance Mark-10 ²
-	Advance Optanium ²
ADV-ESS ¹	Advance Essential ²
ADV-ROVR	Advance Rover ²
LUT-EHD ¹	Lutron Ecosystem H-Series ²
LUT-2W ¹	Lutron Tu-Wire ²
LUT-EC5	Lutron Ecosystem ²
LUT-EC3	Lutron Eco-10 ²
LUT-TVE ¹	Lutron Tve ²
-	Lutron Hi-Lume 3D ²
-	Lutron Ecosystem (347V Only) ²

1- Requires 3 Ballasts

2- Voltage must be specified for dimming ballast.

STANDARD BALLAST INFO

LAMP	# OF LAMPS	LINE VOLTS	Ballast Factor	Power Factor% (>=)	THD% (<=)	Min. Starting Temp (*F/*C)
F32T8	4	120/277	1.15	99	10	-22/- 30
F32T8	6	120/277	1.15	99	10	-22/- 30

EMERGENCY BATTERY PACK OPTIONS (L. = LUMENS)

ORDER CODE	DESCRIPTION
EMG-T5-T5H0-700	Up to 700 L. for T5 or T5H0
EMG-T5-T5H0-1300	Up to 1300 L. for T5 or T5H0
EMG-T8-BX-T5-T5H0-3200	Up to 3200 L. for T8, BX, T5 or T5H0
EMG-SD-T8-BX-T5-T5H0-1400	Self-Diagnostic 1400 L. for T8, BX, T5 or T5H0
EMG-ICE-T8-BX-T5-T5H0-1400	ICE Pack 1400 L. for T8, BX, T5 or T5H0
GTD	Generator Transfer Device

WIRING OPTIONS

PCSB120	- 10' Nema 5-15R 120V Straight Blade Plug
PCSB277	- 10' Nema 7-15R 277V Straight Blade Plug
PCTL120	- 10' Nema L5-15R 120V Twist Lock Plug
PCTL277	- 10' Nema L7-15R 277V Twist Lock Plug
IPTL120	- 10' 120V IP Rated Twist lock Plug
IPTL277	- 10' 277V IP Rated Twist lock Plug
SO1	- 10' 120V/277V SO Cord
SO2	- 10' 480V SO Cord

(Consult Factory for 208V, 248V, 347V and 480V wiring)

OTHER OPTIONS

CH	- Heavy Duty Chain
MS	- Motion Sensor (Damp location only)
MSPH	- Motion Sensor with Photocell
WLMS	- Wet Location Motion Sensor
GSS	- Gripple Suspension System
VH	- V Hook
TPS	- Tamper-proof Screws
6HD1BSR	- Specular Reflector
USA	- Made in America Compliance

6-LAMP, T5 FLUORESCENT IP & NEMA RATED HIGH BAY PHOTOMETRICS

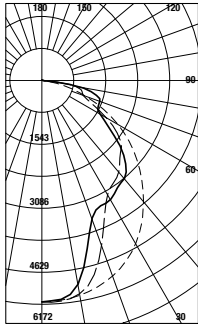
HD1B-6-54-T5H0

LAMP: PHILIPS T5410/54/H0/ALTO

LAMP LUMENS: 4430

TOTAL LUMINAIRE EFFICIENCY: 74.4%

SPACING CRITERIA: 1.10



ZONAL LUMENS SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0-30	4,952.30	16.80%	21.60%
0-40	8,257.30	28.10%	36%
0-60	15,464.30	52.60%	67.40%
60-90	6,398.50	21.80%	27.90%
0-90	21,862.80	74.40%	95.30%

TOTAL LUMINAIRE EFFICIENCY = 74.4%

T5 FLUORESCENT HIGH BAY

EFFICIENCY = 74.4%

CANDELA TABULATION

	0	22.5	45	67.5	90
0	5947	5947	5947	5947	5947
5	6122	6133	6150	6166	6172
15	5894	5955	6055	6139	6161
25	5520	5654	5888	6049	6094
35	4790	5035	5370	5609	5676
45	3810	4183	4657	5158	5297
55	2902	3386	4205	4751	4868
65	1827	2439	3236	3676	3782
75	841	1470	2228	2634	2735
85	217	651	1242	1626	1710
90	116	518	969	1141	1169

Coefficients of Utilization - Zonal Cavity Method (Effective Floor Cavity Reflectance 0.20)

RC RW	80%				70%				50%			30%			10%			0%
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	92	92	92	92	89	89	89	89	85	85	85	80	80	80	76	76	76	74
1	82	78	74	70	80	76	72	69	72	69	66	68	66	63	65	63	61	59
2	74	67	61	56	72	65	60	55	62	57	53	59	55	51	56	52	50	48
3	67	58	51	46	65	57	50	45	54	48	44	51	46	42	49	45	41	39
4	61	51	44	38	59	50	43	38	47	41	37	45	40	36	43	39	35	33
5	56	45	38	32	54	44	37	32	42	36	31	40	35	31	38	34	30	28
6	52	41	33	28	50	40	33	28	38	32	27	36	31	27	35	30	26	24
7	48	37	30	25	46	36	29	24	34	28	24	33	27	23	32	27	23	21
8	44	33	27	22	43	33	26	22	31	25	21	30	25	21	29	24	21	19
9	41	31	24	19	40	30	24	19	29	23	19	28	22	19	27	22	18	17
10	39	28	22	18	38	28	22	17	27	21	17	26	20	17	25	20	17	15

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance

6-LAMP, T8 FLUORESCENT IP & NEMA RATED HIGH BAY PHOTOMETRICS

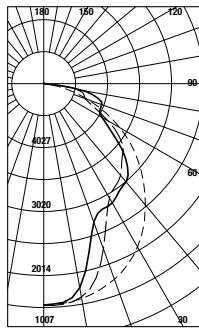
HD1B-6-32-T8

LAMP: PHILIPS F32T8/TL24/PLUS/ALTO

LAMP LUMENS: 2950

TOTAL LUMINAIRE EFFICIENCY: 73.5%

SPACING CRITERIA: 1.16



ZONAL LUMENS SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0-30	3,168.90	17.90%	23.20%
0-40	5,262.60	29.70%	38.50%
0-60	9,603.90	54.30%	70.20%
60-90	3,399.20	19.20%	24.90%
0-90	13,003.10	73.50%	95.10%

TOTAL LUMINAIRE EFFICIENCY = 73.5%

T8 FLUORESCENT HIGH BAY

EFFICIENCY = 73.5%

CANDELA TABULATION

	0	22.5	45	67.5	90
0	3748	3748	3748	3748	3748
5	3799	3809	3824	3830	3832
15	3852	3892	3948	4003	4027
25	3553	3632	3760	3880	3912
35	3081	3217	3425	3584	3624
45	2496	2695	2863	2959	3047
55	1860	2131	2435	2730	2818
65	1149	1429	1836	2075	2115
75	503	806	1125	1317	1373
85	87	287	534	710	758
90	39	199	431	590	630

Coefficients of Utilization - Zonal Cavity Method (Effective Floor Cavity Reflectance 0.20)

RC RW	80%				70%				50%			30%			10%			0%
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	91	91	91	91	89	89	89	89	84	84	84	79	79	79	75	75	75	74
1	82	78	74	71	80	76	73	70	72	69	67	68	66	64	65	63	61	59
2	74	67	62	57	72	66	60	56	62	58	54	59	55	52	56	53	51	49
3	67	59	52	47	65	57	51	46	54	49	45	52	47	44	49	46	42	40
4	62	52	45	39	59	51	44	39	48	42	38	46	41	37	44	39	36	34
5	56	46	39	34	55	45	38	33	43	37	32	41	36	32	39	35	31	29
6	52	41	34	29	50	40	34	29	39	33	28	37	32	28	35	31	27	25
7	48	37	30	26	47	37	30	25	35	29	25	34	28	24	32	28	24	22
8	45	34	27	23	43	33	27	22	32	26	22	31	26	22	30	25	21	20
9	42	31	25	20	40	31	24	20	29	24	20	28	23	20	27	23	19	18
10	39	29	22	18	38	28	22	18	27	22	18	26	21	18	25	21	17	16

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance