

**4 & 6 Lamp
T8 OR T5HO**

CONSTRUCTION/FINISH

- Precision die-formed steel housing.
- Architectural painted after fabrication finish eliminates exposed edges for safe handling.
- Beveled Miro 4 reflector surrounds each lamp for optimum efficiency.
- Suitable for stem, pendant, or chain mounting.
- Top access plate standard.
- Rotatable ends provide access to wiring chamber.
- Heavy duty chain hanger set included.

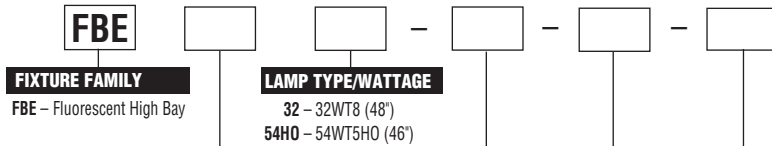
ELECTRICAL

- Class P, HPF ballasts comply with ©Federal Ballast Law (Public Law 100-357, 1988).
- Energy saving electronic ballasts are standard.
- Multi-Level switching capability.
- Motion sensor available.

ACCESSORIES

- WG-FBE4** – Wire guard, 4 lamp.
- WG-FBE6** – Wire guard, 6 lamp.
- TSMTG** – Mounting Plate with Chains & Hooks.
- MD360** – Motion Detector.
- TSNLENS** – Drop Lens with End Caps, 4 lamp.
- TSWLENS** – Drop Lens with End Caps, 6 lamp.

CATALOG NUMBER



ENERGY DATA

LAMP WATTS	BALLAST TYPE	INPUT WATTS
32	2/3-EB	170
	2/3-EBH	222
	3/2-EB	174
	3/2-EBH	231
54	1/4-EB	240
	2/2-EB	236
	2/3-EB	364
	3/2-EB	354
	1/42-EB	358

NO. OF LAMPS PER CROSS SECTION
(not included)
4 (54HO only)
6

VOLTAGE
120
277
347 (54HO only)
480 (54HO only)
UNV – Universal voltage
120-277 volt

OPTIONS
WC3 – Wired 3' Cord
WP3 – Wired 3' Cord & Plug Assembly (specify voltage)

BALLAST
1/4-EB – one 4 lamp Electronic Ballast
2/2-EB – two 2 lamp Electronic Ballasts
2/3-EB – two 3 lamp Electronic Ballasts
2/3-EBH – two 3 lamp Electronic Ballasts- High Ballast Factor (32WT8 only)
2/3-EBD – two 3 lamp Electronic Ballasts-Dimming (32WT8 only)
3/2-EB – three 2 lamp Electronic Ballasts
3/2-EBH – three 2 lamp Electronic Ballasts- High Ballast Factor
3/2-EBD – three 2 lamp Electronic Ballasts-Dimming
1/42-EB – one 4 lamp and one 2 lamp Electronic Ballast



Chain & Hanger



TSMTG

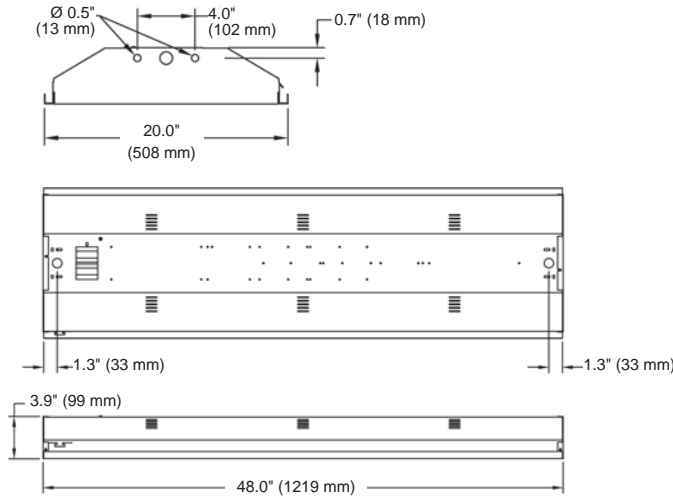


MD360

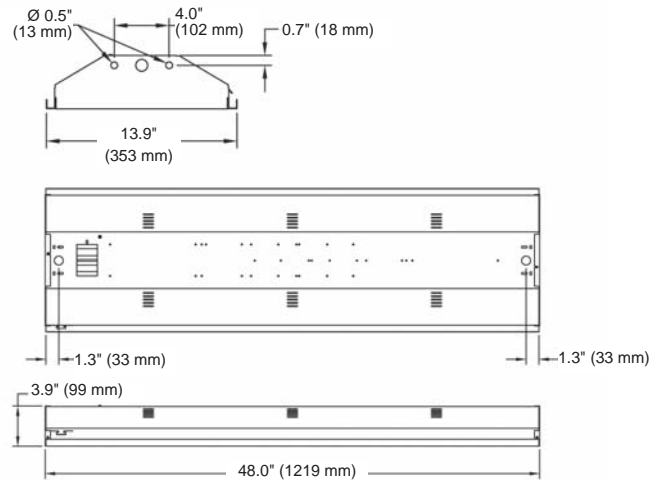
FBE - FLUORESCENT HIGH BAY



DIMENSIONS/6 LAMP



DIMENSIONS/4 LAMP



PHOTOMETRIC DATA

CATALOG # FBE654HO-3/2-EB LAMPS = F54T5HO
TEST #24005 S/MH = 1.1 BALLAST = ELECTRONIC

INPUT WATTS = 321
BALLAST FACTOR = 1.00

LER = FP-71

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$3.38 BASED ON 3000 HRS. AND \$.08 PER KWH.

FIXTURE EFFICIENCY= 85.9%

CANDLEPOWER				
Angle	End	45	Cross	
0	9380	9380	9380	
5	9534	9429	9421	
10	9401	9577	9668	
15	9174	9600	9754	
20	8878	9478	9147	
25	8503	9060	7919	
30	8058	8072	6943	
35	7522	6967	6088	
40	6912	6019	5168	
45	6260	5146	4061	
50	5527	4251	3007	
55	4738	3216	2470	
60	3896	2222	2421	
65	3068	1809	2116	
70	2247	1643	1565	
75	1462	1116	862	
80	758	506	405	
85	207	157	157	

MAINTAINED ILLUMINATION TABLE- Square Feet/Fixture*

<ul style="list-style-type: none"> 80-50-20 Reflectances (Ceiling-Wall-Floor) LLF = 0.89 4400 Lumens/Lamp very clean Room width divided by room height = 5 or more, 2 or 1 						
Fixture Size & # of Lamps	Room Width Room Height =	Approx. Area (sq. ft.) per Fixture				
		10 ft-c	30 ft-c	50 ft-c	70 ft-c	100 ft-c
4' 6 Lamp	5 2 1	-	-	-	-	150
		-	-	-	-	111

*Observe Fixture S/MH Requirements for Specific Applications

AVERAGE LUMINANCE CD/SQ.M WITH 4400 LUMEN LAMPS				
ANGLE	END	45°	CROSS	
45	15453	12703	10025	
55	14419	9787	7517	
65	12671	7472	8739	
75	9860	7526	5813	
85	4146	3144	3144	

TYPICAL V.C.P.'s				
Room Size	Mounting Height			
	Lengthwise	Crosswise	8.5	10
30x30	21	23	27	28
40x40	22	22	28	28
60x30	26	27	30	31
60x60	24	23	29	28
100x100	29	27	33	31

COEFFICIENT OF UTILIZATION

pfc pcc pw	20		70		50	
	70	50	30	70	50	30
RCR						
0	102	102	102	100	100	94
1	93	91	86	92	89	85
2	86	80	75	83	78	75
3	79	70	64	77	69	67
4	72	63	56	70	61	56
5	68	56	50	66	56	48
6	63	52	44	60	51	44
7	57	46	40	56	46	40
8	54	42	35	53	42	35
9	51	40	33	50	39	33
10	47	36	29	46	35	29

LIGHT DISTRIBUTION

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	7511	28.5	33.1
0-40	11914	45.1	52.5
0-60	19091	72.3	84.2
0-90	22684	85.9	100.0

PHOTOMETRIC DATA

CATALOG # FBE454HO-2/2-EB LAMPS = F54T5HO
TEST #24007 S/MH = 1.1 BALLAST = ELECTRONIC

INPUT WATTS = 182
BALLAST FACTOR = 1.00

LER = FP-83

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.89 BASED ON 3000 HRS. AND \$.08 PER KWH.

FIXTURE EFFICIENCY= 86.3%

CANDLEPOWER				
Angle	End	45	Cross	
0	6214	6214	6214	
5	6263	6309	6396	
10	6175	6529	6661	
15	6030	6544	6614	
20	5837	6399	6159	
25	5588	6032	5418	
30	5298	5416	4674	
35	4956	4734	3977	
40	4576	4033	3300	
45	4139	3316	2688	
50	3664	2679	2108	
55	3157	2101	1735	
60	2620	1552	1590	
65	2067	1242	1347	
70	1520	1034	964	
75	1003	701	484	
80	530	308	278	
85	157	157	176	

MAINTAINED ILLUMINATION TABLE- Square Feet/Fixture*

<ul style="list-style-type: none"> 80-50-20 Reflectances (Ceiling-Wall-Floor) LLF = 0.89 4400 Lumens/Lamp very clean Room width divided by room height = 5 or more, 2 or 1 						
Fixture Size & # of Lamps	Room Width Room Height =	Approx. Area (sq. ft.) per Fixture				
		10 ft-c	30 ft-c	50 ft-c	70 ft-c	100 ft-c
4' 6 Lamp	5 2 1	-	-	-	144	143
		-	-	150	107	75

*Observe Fixture S/MH Requirements for Specific Applications

AVERAGE LUMINANCE CD/SQ.M WITH 4400 LUMEN LAMPS				
ANGLE	END	45°	CROSS	
45	15751	12619	10229	
55	14811	9857	8140	
65	13161	7908	8577	
75	10428	7288	5032	
85	4847	4847	5434	

TYPICAL V.C.P.'s				
Room Size	Mounting Height			
	Lengthwise	Crosswise	8.5	10
30x30	21	22	28	29
40x40	22	22	27	28
60x30	26	27	31	32
60x60	23	22	26	27
100x100	26	25	27	27

COEFFICIENT OF UTILIZATION

pfc pcc pw	20		70		50	
	70	50	30	70	50	30
RCR						
0	103	103	103	100	100	95
1	94	91	88	93	89	85
2	86	80	75	84	79	76
3	80	70	65	78	69	64
4	73	64	56	71	63	56
5	68	57	50	66	56	50
6	63	52	45	60	51	44
7	58	47	40	56	46	40
8	55	44	36	53	42	35
9	51	40	33	50	40	33
10	47	36	30	46	36	29

LIGHT DISTRIBUTION

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	5088	28.9	33.5
0-40	8038	45.7	52.9
0-60	12843	73.0	84.5
0-90	15196	86.3	100.0

1476-IF

DAY-BRITE LIGHTING • www.daybritelighting.com
776 South Green Street • Tupelo, Mississippi 38804 • PH: (662) 842-7212 • FAX: (662) 841-5501
CANADIAN DIVISION
189 Bullock Drive • Markham, Ontario L3P 1W4 • PH: (905) 294-9570 • FAX: (905) 294-9811

©2003 DAY-BRITE® LIGHTING
DB 08-03-2.5M
DAY-BRITE RESERVES THE RIGHT TO
MAKE CHANGES WITHOUT NOTICE.

