

application

- A solid enclosure designed to meet the needs of a gymnasium environment.

construction and features

- Steel housing is 20-gauge, one piece and painted after fabrication.
- MC and MF reflectors are fabricated from 95% reflective specular aluminum to maximize luminaire efficiency and control light distribution.
- Suitable for surface mounting.
- Optional heavy duty mounting chain or cable kits (2 kits required) (ordered separately).
- Rotating ring, locking type lampholders for T5 HO lamps and locking type for T8 lamps.
- Optional cord and plug assembly for easy electrical disconnect.
- Optional heavy duty, 9 gauge wire guard

electrical

- CSA certified to meet applicable U.S. and Canadian standards.
- Suitable for damp location and 40°C ambient.

Specifier's Reference

Project
Type
Model No.
Comments

Green Choice: FGL632-UNV-MC-1/42-EBH-WG

energy data

Lamp Watts	Ballast Type	Input Watts
54WT5HO	1/4-EB	240
	2/2-EB	236
	1/42-EB	358
	3/2-EB	360
32WT8	2/4-EB	480
	1/4-EBH	148
	2/2-EBH	148
	2/3-EBH	222
	3/2-EBH	222
	1/42-EBH	222
	4/2-EBH	296

Family	No. of Lamps/ Cross Section	Voltage	Reflector	Ballast	Options
FGL TFGL (4 lamp only)	4 6	UNV – (105 -305 V) 120 277 480* *54HO: 1/4EB, 2/2EB, 3/2EB, 2/4EB and 1/42-EB only	MC – Contoured Reflector (95% reflective specular aluminum) MF – Flat Reflector (95% reflective specular aluminum) WF – White Flat Reflector	1/4EB – One 4 lamp Electronic Ballast (54wT5HO, FGL Only) 1/4-EB-2LS – One 4 lamp Electronic Ballast with 2 level switching (54wT5HO Only) 1/4-EBH – One 4 lamp Electronic Ballast, High Ballast Factor (32wT8, FGL Only) 2/2-EB – Two 2 lamp Electronic Ballasts (54wT5HO, FGL Only) 2/2-EBH – 2 Two lamp Electronic Ballasts-High Ballast Factor (32wT8, FGL Only) 2/3-EBH – Two 3 lamp Electronic Ballasts-High Ballast Factor (32wT8 Only) 3/2-EBH – Three 2 lamp Electronic Ballasts-High Ballast Factor (32wT8 Only) 1/42-EBH – One 4 lamp and one 2 lamp Electronic Ballast-High Ballast Factor (32wT8 Only) 1/42-EB – One 4 lamp and one 2 lamp Electronic Ballast (54wT5HO Only) 2/4-EB – Two 4 lamp Electronic Ballasts (TFGL with 54wT5HO Only) 4/2-EBH – Four 2 lamp Electronic Ballasts, High Ballast Factor (TFGL with 32wT8 Only)	GLR – Fusing WC3 – Wired 3' Cord WP3 – Wired 3' Cord and Plug Assembly (Specify Voltage) WG – White Wire Guard WPL – White Wire Guard with Pattern 12, .125" nominal lens WCL – White Wire Guard with Clear, .125" nominal lens E7 – DEB-7 emerg. ballast, T8 lamps, 600 - 700 lumens E5 – DEB-5 emerg. ballast, T8 lamps, 1100 - 1400 lumens E7LP – DEB-7LP emerg. ballast, T5/T5HO/T8 lamps, 430 - 700 lumens E6LP – DEB-6LP emerg. ballast, T5/T5HO/T8 lamps, 750 - 1325 lumens LPT841 – Installed T8/T5/T5HO lamps, 80+ CRI, 4100K

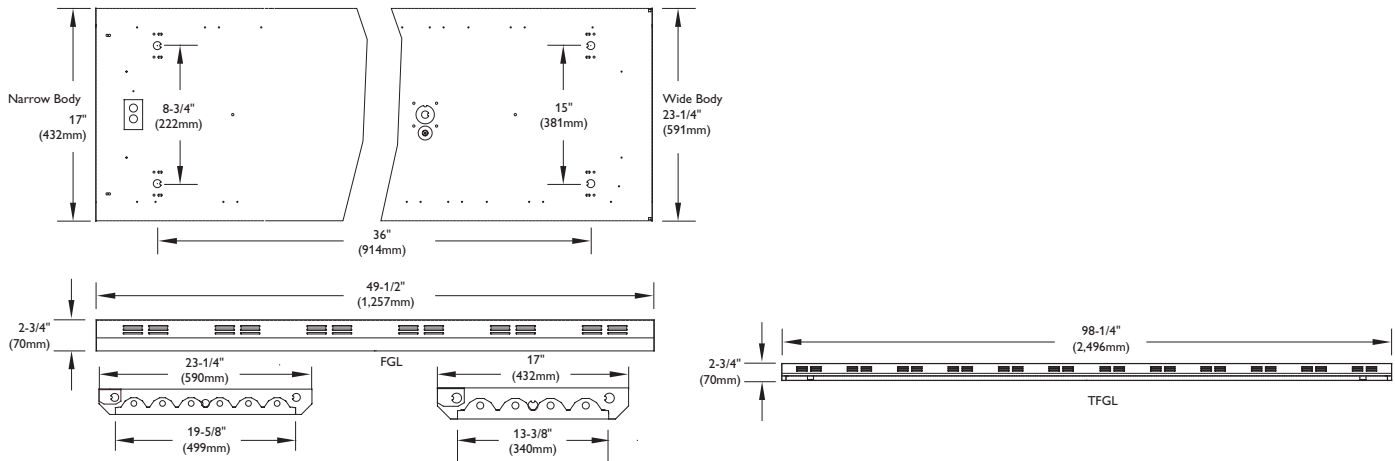
general notes

All options are factory installed.
All accessories are field installed.

accessories (order separately)

- FBF/FBE Chain Kit – Chain Hanger Kit (2 required)
- FBF/FBF Grip5 – Cable Hanger Kit (2 required)
- MD360 – Motion Detector with circular coverage
- MD360-480 – Motion Detector (480)

dimensions



photometry

4 Lamp F54T5HO

Efficiency – 86.2%

LER – 64.8

TER – 35.0

Catalog No.	
Test No.	25625
Medium Spread S/MH	1.2
Lamp Type	4-F54T5HO
Lumens/Lamp	4400
Ballast Factor	1.0
Input Watts	234

Comparative yearly lighting energy cost per 1000 lumens – **\$3.69** based on 3000 hrs. and \$.08 pwr KWH.

The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Candlepower

Angle	End	45	Cross
0	8537	8537	8537
5	8532	8393	8265
15	8225	7324	6543
25	7602	5743	4703
35	6679	4141	3190
45	5510	2724	2509
55	4153	1959	1956
65	2666	1355	1138
75	1218	542	391
85	53	0	0

Light Distribution				Average Brightness			
Degrees	Lumens	% Lamp	% Luminaire	Zone	End	45	Cross
0-30	5580	31.7	36.8	45	18629	9210	8483
0-40	8381	47.6	55.2	55	17310	8165	8153
0-60	13037	74.1	85.9	65	15081	7665	6438
0-90	15180	86.2	100.0	75	11251	5006	3612
90-180	0	0.0	0.0	85	1454	0	0
0-180	15180	86.2	100.0				

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

Ceil	80				70				50				10				
	70	50	30	10	70	50	30	10	50	30	10	50	30	10			
0	103	103	103	103	100	100	100	100	96	96	96	92	92	92	88	88	88
1	95	92	88	86	93	90	87	84	86	84	82	83	81	79	80	78	77
2	88	81	76	72	85	80	75	71	77	73	69	74	71	68	71	69	66
3	81	72	66	61	79	71	65	61	69	64	60	66	62	59	64	61	58
4	74	65	58	53	73	64	58	53	62	56	52	60	55	51	58	54	51
5	69	59	52	46	67	58	51	46	56	50	46	54	49	45	53	48	45
6	64	53	46	41	63	53	46	41	51	45	41	50	44	40	48	44	40
7	60	49	42	37	58	48	42	37	47	41	37	46	40	36	45	40	36
8	56	45	38	33	55	44	38	33	43	37	33	42	37	33	41	36	33
9	52	42	35	31	51	41	35	30	40	34	30	39	34	30	38	34	30
10	49	39	32	28	48	38	32	28	37	32	28	37	31	28	36	31	28

6 Lamp F54T5HO

Efficiency – 90.6%

LER – 66.4

TER – 35.4

Catalog No.	
Test No.	25626
Medium Spread S/MH	1.2
Lamp Type	6-F54T5HO
Lumens/Lamp	4400
Ballast Factor	1.0
Input Watts	358

Comparative yearly lighting energy cost per 1000 lumens – **\$3.58** based on 3000 hrs. and \$.08 pwr KWH.

The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Candlepower

Angle	End	45	Cross
0	11149	11149	11149
5	11116	11081	11047
15	10694	10940	10989
25	9900	9810	7953
35	8695	6816	5517
45	7192	4580	4116
55	5406	3149	2935
65	3492	2005	2291
75	1609	1179	1031
85	117	28	0

Light Distribution				Average Brightness			
Degrees	Lumens	% Lamp	% Luminaire	Zone	End	45	Cross
0-30	8370	31.7	35.0	45	16708	10640	9562
0-40	12886	48.8	53.9	55	15483	9019	8406
0-60	20228	76.6	84.6	65	13573	7793	8905
0-90	23909	90.6	100.0	75	10212	7483	6544
90-180	0	0.0	0.0	85	2205	528	0
0-180	23909	90.6	100.0				

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

Ceil	80				70				50				10				
	70	50	30	10	70	50	30	10	50	30	10	50	30	10			
0	108	108	108	108	105	105	105	105	101	101	101	96	96	96	92	92	92
1	100	96	92	89	97	94	91	88	90	87	85	86	84	82	83	82	80
2	91	85	79	74	89	83	78	74	80	76	72	77	73	70	74	71	69
3	84	75	69	63	82	74	68	63	71	66	62	69	64	60	67	63	59
4	78	67	60	55	76	66	59	54	64	58	53	62	57	53	60	56	52
5	72	61	53	48	70	60	53	47	58	52	47	56	51	46	55	50	46
6	67	55	48	42	65	54	47	42	53	46	42	51	46	41	50	45	41
7	62	50	43	38	61	50	43	38	48	42	37	47	41	37	46	41	37
8	58	46	39	34	57	46	39	34	45	38	34	43	38	34	42	37	33
9	54	43	36	31	53	42	36	31	41	35	31	40	35	31	39	34	30
10	51	40	33	28	50	39	33	28	38	32	28	38	32	28	37	32	28



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Contact Factory for Additional Configurations.
 Specifications are subject to change without notice.
 Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled, "Contain Mercury" and/or the symbol "HG". Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and disposal can be found at www.lamprecycle.org

