

# Lightfoil® 3

## 3 or 4 T5 / T5HO

Type:

Project:

### SPECIFICATIONS

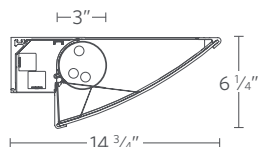
Wall Mount / 3" x 14" Asymmetric Foil

LF3FW

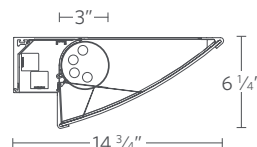
### CATALOG NUMBER

Examples: LF3FW 3 24T5HO U2 120 GEB10 SCT LP835 C222 — LF3FW 4 54T5HO U4 120 GEB10 SCT LP835 C224

### AVAILABLE FIXTURES



- ☐ LF3FW 3 14W T5
- ☐ LF3FW 3 21W T5
- ☐ LF3FW 3 28W T5
- ☐ LF3FW 3 24W T5HO
- ☐ LF3FW 3 39W T5HO
- ☐ LF3FW 3 54W T5HO
- ☐ LF3FW 3 80W T5HO



- ☐ LF3FW 4 14W T5
- ☐ LF3FW 4 21W T5
- ☐ LF3FW 4 28W T5
- ☐ LF3FW 4 24W T5HO
- ☐ LF3FW 4 39W T5HO
- ☐ LF3FW 4 54W T5HO
- ☐ LF3FW 4 80W T5HO

### SPECIFICATIONS

#### Construction

Housing & cylinder AA 6063 T6 extruded aluminum. Foil is Reynobond® (Alcoa) composite, consisting of two sheets of corrosion resistant aluminum laminated to an extruded thermoplastic core material.

#### Reflectors

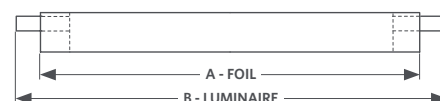
Die-formed reflectors combine specular aluminum and baked white enamel.

#### Finish

Housing and cylinders powder coated. Foil available in bronze, silver or white.

#### Electrical

Specify 120 volt, 277 volt, or 347 volt. C-UL listed and labeled. For special circuiting, consult factory.



	A	B
LF3FW 14W or 24W	35"	43"
LF3FW 21W or 39W	45"	53"
LF3FW 28W or 54W	57"	65"
LF3FW 80W	69"	76"

### ORDERING LOGIC

							▶▶▶		
Fixture	# of Lamps in Cross Section	Lamp Type	Nominal Row Length	Voltage	Ballast Type	Emergency Type²			
LF3FW	3 4	24T5HO 24W 2' T5HO 39T5HO 39W 3' T5HO 54T5HO 54W 4' T5HO 80T5HO³ 80W 5' T5HO 28T5 28W 4' T5 21T5 21W 3' T5 14T5 14W 2' T5	U2 2' U3 3' U4 4'	120 277 347	GEB10 <10% THD ELECTRONIC ECO10³ Lutron ECO-10 dimming  Available with 54T5HO only: ADEZ² Advance Mark 10 dimming DMHL³ Lutron Hi-Lume ADZT³ Advance Mark 7 0-10v dimming OSDIM³ Osram 0-10v dimming  Reference <a href="#">Ballast Chart</a> on website or consult factory for other options.	Blank EL Emergency Battery Pack EC Emergency Circuit EN Emergency Battery Pack w/ Night Light Circuit			
							▶▶		
Switching	Lamp Color	Foil Finish	Options						
SCT Single Circuit DCT Dual Circuit	L/LP No Lamp LP830 3000k 80+ CRI LP835 3500k 80+ CRI LP841 4100k 80+ CRI  Reference <a href="#">Lamp Chart</a> on website or consult factory for other options.	C222 Bronze C223 Silver C224 White	GLR Fast Blow Fuse GMF Slow Blow Fuse FEP Flat Endplate (no cylinder)						
<b>Notes:</b> 1 54T5HO Only. 2 EL, EN and EC only available with SCT. 3 Not available in 347 volt.									

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PHOTOMETRICS

Wall Mount / 3" x 14" Asymmetric Foil

LF3FW

Type:

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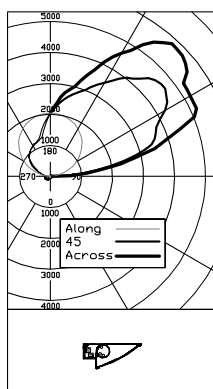
### 3-LAMP 54W T5HO

### 4-LAMP 54W T5HO

FAR-FIELD PHOTOMETRY

REPORT NUMBER: 6230 DATE: 6-28-2004

CATALOG NUMBER: LF3FW-3-54T5HO  
LUMINAIRE: 14 3/8"W X 6 1/4"H ASYMMETRIC LIGHT WITH WHITE PAINTED AND SPECULAR REFLECTOR  
LAMP(S): 3-FP54/835/HO RATED @ 5000 LUMENS  
BALLAST: QTP 1X54HO/UNV PSN & QTP 2X54HO/UNV PSN  
MOUNTING:  
LUMEN TO CANDELA RATIO USED = 9.15  
TOTAL INPUT WATTS = 165.8 AT 120.0 VOLTS  
THE 0 DEGREE PLANE IS PERPENDICULAR TO THE LAMPS.



CANDELA DISTRIBUTION	FLUX
0 0 0 45.0 90.0 135.0 180.0	
0 10 10 10 10 10	
5 9 14 12 21 28	2
15 9 5 2 33 52	7
25 5 0 0 55 81	15
35 19 12 14 88 128	27
45 19 17 14 104 157	40
55 14 14 9 123 175	48
65 5 0 0 119 166	62
75 5 5 0 128 180	66
85 14 9 7 121 175	64
90 14 12 5 107 152	
95 1172 953 83 140 180 535	
105 3481 3057 406 280 299 1483	
115 5208 3778 790 524 474 2040	
125 5236 4572 1141 802 726 2133	
135 5791 4485 1432 958 987 1989	
145 5203 3861 1670 1089 1081 1520	
155 4060 3199 1859 1167 1172 1021	
165 3012 2751 1978 1352 1257 584	
175 2390 2289 2028 1802 1703 196	
180 2045 2045 2045 2045 2045	

ZONAL LUMEN SUMMARY	%LAMP	%FIXT
ZONE LUMENS		
0-30 24	0.2	0.2
0-40 51	0.3	0.4
0-60 139	0.9	1.2
0-90 331	2.2	2.8
90-120 4059	27.1	34.4
90-130 6192	41.3	52.4
90-150 9681	64.5	81.9
90-180 11482	76.5	97.2
0-180 11814	78.8	100.0

TOTAL LUMINAIRE EFFICIENCY = 78.8 %  
CIE TYPE - INDIRECT

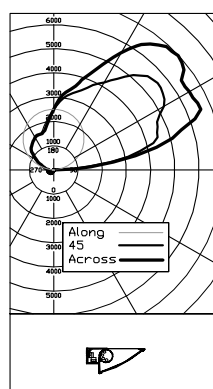


BARE LAMP LUMEN VALUE IS RATED AT LAMP OPERATING TEMPERATURE INSIDE THE LUMINAIRE.  
FOR DETAIL EXPLANATIONS, PLEASE SEE PEERLESS PUBLICATION # A62

FAR-FIELD PHOTOMETRY

REPORT NUMBER: 6237 DATE: 6-28-2004

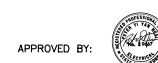
CATALOG NUMBER: LF3FW-4-54T5HO  
LUMINAIRE: 14 3/8"W X 6 1/4"H ASYMMETRIC LIGHT WITH WHITE PAINTED AND SPECULAR REFLECTOR  
LAMP(S): 4-FP54/835/HO RATED @ 5000 LUMENS  
BALLAST: 2-QTP 2X54HO/UNV PSN  
MOUNTING:  
LUMEN TO CANDELA RATIO USED = 9.15  
TOTAL INPUT WATTS = 244.8 AT 120.0 VOLTS  
THE 0 DEGREE PLANE IS PERPENDICULAR TO THE LAMPS.



CANDELA DISTRIBUTION	FLUX
0 0 0 45.0 90.0 135.0 180.0	
0 20 20 20 20 20	
5 14 9 9 21 28	2
15 14 7 14 49 75	7
25 19 7 14 72 117	18
35 14 0 7 96 149	33
45 14 9 12 126 186	47
55 9 2 0 135 200	59
65 9 7 9 154 219	67
75 14 5 5 156 224	76
85 14 9 2 144 214	71
90 19 5 0 126 191	
95 1548 1408 100 170 219 787	
105 5085 4272 517 380 387 2073	
115 6554 4705 1002 702 634 2586	
125 6437 5507 1422 1067 960 2639	
135 6913 5477 1781 1277 1305 2419	
145 6325 4598 2077 1466 1464 1881	
155 4806 3855 2284 1534 1575 1257	
165 3608 3305 2426 1718 1622 719	
175 2941 2820 2501 2221 2107 240	
180 2511 2511 2511 2511 2511	

ZONAL LUMEN SUMMARY	%LAMP	%FIXT
ZONE LUMENS		
0-30 26	0.1	0.2
0-40 60	0.3	0.4
0-60 166	0.8	1.1
0-90 390	1.9	2.5
90-120 5446	27.2	36.4
90-130 8085	40.4	54.0
90-150 12385	61.9	82.7
90-180 14601	73.0	97.5
0-180 14981	74.9	100.0

TOTAL LUMINAIRE EFFICIENCY = 74.9 %  
CIE TYPE - INDIRECT



BARE LAMP LUMEN VALUE IS RATED AT LAMP OPERATING TEMPERATURE INSIDE THE LUMINAIRE.  
FOR DETAIL EXPLANATIONS, PLEASE SEE PEERLESS PUBLICATION # A62

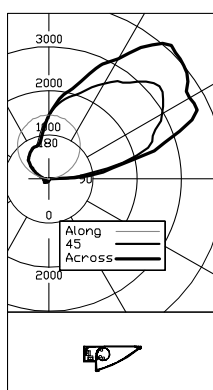
### 3-LAMP 39W T5HO

### 4-LAMP 39W T5HO

FAR-FIELD PHOTOMETRY

REPORT NUMBER: 6240 DATE: 6-28-2004

CATALOG NUMBER: LF3FW-3-39T5HO  
LUMINAIRE: 14 3/8"W X 6 1/4"H ASYMMETRIC LIGHT WITH WHITE PAINTED AND SPECULAR REFLECTOR  
LAMP(S): 3-FP39/835/HO RATED @ 3500 LUMENS  
BALLAST: QTP 1X24-39T5HO/UNV PSN & QTP 2X24-39T5HO/UNV PSN  
MOUNTING:  
LUMEN TO CANDELA RATIO USED = 9.15  
TOTAL INPUT WATTS = 129.1 AT 120.0 VOLTS  
THE 0 DEGREE PLANE IS PERPENDICULAR TO THE LAMPS.



CANDELA DISTRIBUTION	FLUX
0 0 0 45.0 90.0 135.0 180.0	
0 9 9 9 9 9	
5 20 12 15 20 25	1
15 5 5 7 22 34	6
25 10 7 5 47 64	10
35 10 7 5 64 103	17
45 10 7 5 64 103	26
55 10 5 7 76 118	34
65 5 0 5 83 118	36
75 10 2 5 83 128	43
85 15 12 10 83 123	39
90 49 20 0 64 108	
95 907 682 51 83 118 364	
105 2472 2067 260 189 191 1013	
115 3708 2658 537 360 324 1421	
125 3855 3166 792 535 500 1477	
135 4058 3122 1001 633 652 1374	
145 3639 2707 1182 743 731 1056	
155 2874 2295 1309 782 799 716	
165 2133 1950 1408 924 839 410	
175 1697 1638 1439 1263 1167 139	
180 1453 1453 1453 1453 1453	

ZONAL LUMEN SUMMARY	%LAMP	%FIXT
ZONE LUMENS		
0-30 17	0.2	0.2
0-40 34	0.3	0.4
0-60 93	0.9	1.1
0-90 211	2.0	2.6
90-120 2798	26.6	34.2
90-130 4275	40.7	52.3
90-150 6705	63.9	82.0
90-180 7969	75.9	97.4
0-180 8180	77.9	100.0

TOTAL LUMINAIRE EFFICIENCY = 77.9 %  
CIE TYPE - INDIRECT

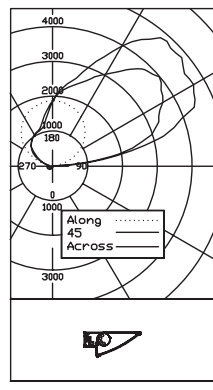


BARE LAMP LUMEN VALUE IS RATED AT LAMP OPERATING TEMPERATURE INSIDE THE LUMINAIRE.  
FOR DETAIL EXPLANATIONS, PLEASE SEE PEERLESS PUBLICATION # A62

FAR-FIELD PHOTOMETRY

REPORT NUMBER: 6238 DATE: 6-28-2004

CATALOG NUMBER: LF3FW-4-39T5HO  
LUMINAIRE: 14 3/8"W X 6 1/4"H ASYMMETRIC LIGHT WITH WHITE PAINTED AND SPECULAR REFLECTOR  
LAMP(S): 4-FP39/835/HO RATED @ 3500 LUMENS  
BALLAST: 2-QTP 2X24-39T5HO/UNV PSN  
MOUNTING:  
LUMEN TO CANDELA RATIO USED = 9.15  
TOTAL INPUT WATTS = 160.1 AT 120.0 VOLTS  
THE 0 DEGREE PLANE IS PERPENDICULAR TO THE LAMPS.



CANDELA DISTRIBUTION	FLUX
0 0 0 45.0 90.0 135.0 180.0	
0 13 13 13 13 13	
5 12 12 9 17 29	1
15 17 6 12 40 64	7
25 6 0 0 52 87	13
35 12 3 0 75 115	23
45 12 0 0 95 144	37
55 12 0 0 104 162	45
65 12 3 3 124 173	54
75 12 0 0 115 173	59
85 12 0 0 110 167	56
90 12 3 0 98 150	
95 964 811 64 115 150 459	
105 3296 2638 355 260 266 1346	
115 4509 3357 707 482 433 1791	
125 4618 3796 1036 733 658 1854	
135 4786 3853 1308 880 853 1702	
145 4433 3314 1530 1002 999 1337	
155 3448 2820 1697 1077 1068 907	
165 2809 2404 1795 1250 1137 524	
175 2171 2107 1862 1654 1547 178	
180 1869 1869 1869 1869 1869	

ZONAL LUMEN SUMMARY	%LAMP	%FIXT
ZONE LUMENS		
0-30 22	0.2	0.2
0-40 44	0.3	0.4
0-60 126	0.9	1.2
0-90 296	2.1	2.8
90-120 3596	25.7	34.6
90-130 5450	38.9	52.4
90-150 8489	60.6	81.7
90-180 10098	72.1	97.2
0-180 10394	74.2	100.0

TOTAL LUMINAIRE EFFICIENCY = 74.2 %  
CIE TYPE - INDIRECT



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# Lightfoil® 3

3 or 4 T5 / T5HO

PHOTOMETRICS

Wall Mount / 3" x 14" Asymmetric Foil

LF3FW

Type:

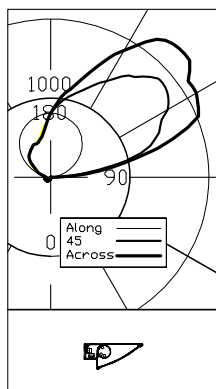
Project:

## 3-LAMP 24W T5HO

## 4-LAMP 24W T5HO

FAR-FIELD PHOTOMETRY  
REPORT NUMBER: 6253 DATE: 6-28-2004

CATALOG NUMBER: LF3FW-3-24T5HO  
LUMINAIRE: 14 3/8"W X 6 1/4"H ASYMMETRIC LIGHT WITH WHITE  
PAINTED AND SPECULAR REFLECTOR  
LAMP(S): 3-FP39/835/HO RATED 2000 LUMENS  
BALLAST: QTP 1X24-39T5HO/UNV PSN & QTP 2X24-39T5HO/UNV PSN  
MOUNTING:  
LUMEN TO CANDELA RATIO USED = 9.15  
TOTAL INPUT WATTS = 80.9 AT 120.0 VOLTS  
THE 0 DEGREE PLANE IS PERPENDICULAR TO THE LAMPS.



CANDELA DISTRIBUTION					FLUX	
0.0	45.0	90.0	135.0	180.0		
0	6	6	6	6		1
5	6	4	5	8	12	3
15	4	3	5	16	24	3
25	5	3	4	25	37	6
35	5	4	4	34	51	11
45	5	4	3	42	61	16
55	5	3	3	47	68	21
65	5	3	3	52	73	24
75	5	3	2	52	74	27
85	5	3	1	47	69	25
90	5	4	0	42	64	
95	423	329	35	56	74	186
105	1402	1181	151	119	124	579
115	2059	1528	235	214	196	806
125	2119	1806	436	318	295	847
135	2301	1794	560	379	387	783
145	2088	1553	660	432	431	609
155	1623	1285	731	466	463	409
165	1211	1081	775	533	503	231
175	943	905	805	710	669	77
180	807	807	807	807	807	

ZONAL LUMEN SUMMARY				
ZONE	LUMENS	%LAMP	%FIXT	
0-30	10	0.2	0.2	
0-40	21	0.4	0.5	
0-60	58	1.0	1.2	
0-90	134	2.2	2.9	
90-120	1570	26.2	33.7	
90-130	2417	40.3	51.9	
90-150	3808	63.5	81.7	
90-180	4525	75.4	97.1	
0-180	4659	77.6	100.0	

TOTAL LUMINAIRE EFFICIENCY = 77.6 %  
CIE TYPE - INDIRECT

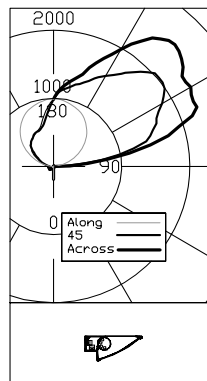
APPROVED BY:



BARE LAMP LUMEN VALUE IS RATED AT LAMP OPERATING TEMPERATURE INSIDE THE LUMINAIRE.  
FOR DETAIL EXPLANATIONS, PLEASE SEE PEERLESS PUBLICATION # A62

FAR-FIELD PHOTOMETRY  
REPORT NUMBER: 6251 DATE: 6-28-2004

CATALOG NUMBER: LF3FW-4-24T5HO  
LUMINAIRE: 14 3/8"W X 6 1/4"H ASYMMETRIC LIGHT WITH WHITE  
PAINTED AND SPECULAR REFLECTOR  
LAMP(S): 4-FP39/835/HO RATED 2000 LUMENS  
BALLAST: 2-QTP 2X24-39T5HO/UNV PSN  
MOUNTING:  
LUMEN TO CANDELA RATIO USED = 9.15  
TOTAL INPUT WATTS = 98.8 AT 120.0 VOLTS  
THE 0 DEGREE PLANE IS PERPENDICULAR TO THE LAMPS.



CANDELA DISTRIBUTION					FLUX	
0.0	45.0	90.0	135.0	180.0		
0	188	188	188	188		
5	5	2	5	7	9	20
15	5	2	5	16	23	31
25	5	2	5	25	32	53
35	5	5	5	32	45	72
45	5	5	5	41	59	93
55	5	2	2	47	63	111
65	9	9	9	54	72	122
75	9	7	5	56	77	130
85	5	5	0	50	68	130
90	9	11	5	45	68	
95	504	407	36	61	77	229
105	1747	1407	182	137	140	689
115	2265	1671	362	252	230	905
125	2301	1990	540	385	351	942
135	2526	1954	693	464	468	880
145	2251	1655	810	525	577	685
155	1747	1423	901	574	567	467
165	1355	1243	946	669	612	273
175	1139	1105	986	880	833	94
180	986	986	986	986	986	

ZONAL LUMEN SUMMARY				
ZONE	LUMENS	%LAMP	%FIXT	
0-30	104	1.3	1.8	
0-40	176	2.2	3.0	
0-60	380	4.8	6.4	
0-90	763	9.5	12.9	
90-120	1823	22.8	30.8	
90-130	2765	34.6	46.7	
90-150	4330	54.1	73.1	
90-180	5164	64.5	87.1	
0-180	5927	74.1	100.0	

TOTAL LUMINAIRE EFFICIENCY = 74.1 %  
CIE TYPE - SEMI-INDIRECT

APPROVED BY:



BARE LAMP LUMEN VALUE IS RATED AT LAMP OPERATING TEMPERATURE INSIDE THE LUMINAIRE.  
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