

**DESCRIPTION**

The RF LED Troffer Retrofit is a true alternative to convert conventional fluorescent fixtures to LED. It is a one piece design that can be installed in 15 minutes and will save up to 30% energy cost over T8. Available in 1 x 4, 2 x 2 and 2 x 4.

**SPECIFICATION FEATURES**

**Construction**

Die formed 22 gauge galvanized steel painted high gloss white

**Finish**

22 gauge galvanized steel and high gloss enamel paint finish ensures maximum bonding and rust inhibition

**Controls**

The RF LED Retrofit is powered by Ultrasave drivers that can be adjusted to different lumen packages by just changing the driver cable

**Compliance**

Modules and Drivers are UL recognized components and indoor luminaires are cULus listed

**Electrical**

Long Life LED System complete with electrical driver to deliver the optimal performance. LED's available in a 3500K, 4000K and 5000K with a typical CRI: 80. Rated for 94,000 hours. Electronic drivers are available in 120/277 and 347 Volt applications

**Warranty**

5 years

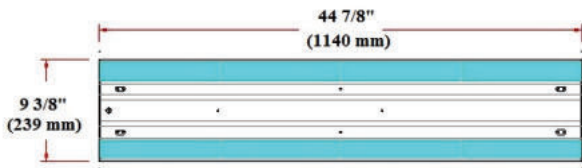
**Driver and Module Access**

Drivers can be accessed by removing the RF Retrofit from the excising housing and driver is located on the underneath



**LED TROFFER RETROFIT**

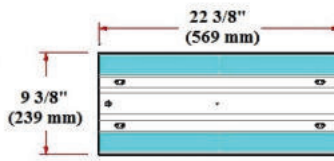
powered by **ULTRASAVE**



**RF 2 X 4**

**RF80LED08 / RF54LED04**

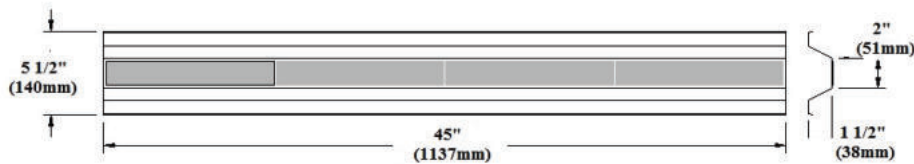
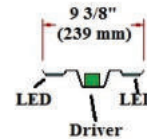
**Dimension**  
mm | 1140(L) x 239(W) x 38(D)  
inch | 44.9"(L) x 9.4"(W) x 1.5"(D)



**RF 2 X 2**

**RF40LED04 / RF40LED02**







**Dimension**  
mm | 569(L) x 239(W) x 38(D)  
inch | 22.4"(L) x 9.4"(W) x 1.5"(D)



**RF14-40LED04 / RF14-40LED02**

**Dimension**  
mm | 1137(L) x 140(W) x 38(D)  
inch | 44.8"(L) x 5.5"(W) x 1.5"(D)

ORDERING CODE, ENERGY AND PERFORMANCE DATA

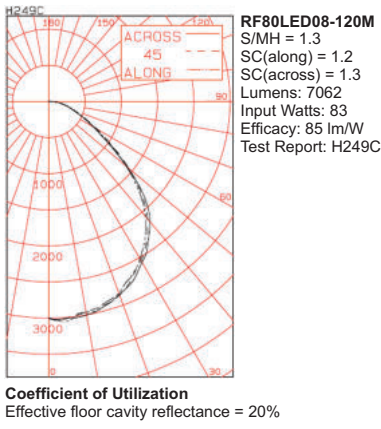
Model No.	Delivered Lumens (lm)	Input Watts (W)	Voltage (V)	Colour Temp. (K)	Efficacy (lm/W)	Status
 <b>RF80LED08</b> 2 x 4 Retrofit	8830	83	120M / 347	4000K	106	Stock
	8830	83	120M / 347	3500K / 5000K	99 / 110	MTO
	8270	79	120M / 347	3500K / 4000K / 5000K	99 / 105 / 110	MTO
	6870	65	120M / 347	3500K / 4000K / 5000K	100 / 106 / 111	MTO
 <b>RF54LED04</b> 2 x 4 Retrofit	5900	63	120M / 347	4000K	94	Stock
	5900	63	120M / 347	3500K / 5000K	89 / 98	MTO
	5300	56	120M / 347	3500K / 4000K / 5000K	90 / 95 / 99	MTO
	4300	45	120M / 347	3500K / 4000K / 5000K	91 / 96 / 100	MTO
 <b>RF40LED04</b> 2 x 2 Retrofit	4410	42	120M / 347	4000K	105	Stock
	4410	42	120M / 347	3500K / 5000K	99 / 110	MTO
	3240	31	120M / 347	3500K / 4000K / 5000K	99 / 104 / 110	MTO
	2250	22	120M / 347	3500K / 4000K / 5000K	97 / 102 / 107	MTO
 <b>RF40LED02</b> 2 x 2 Retrofit	3000	31	120M / 347	4000K	96	Stock
	3000	31	120M / 347	3500K / 5000K	91 / 100	MTO
 <b>RF14-40LED04</b> 1 x 4 Retrofit	4410	42	120M / 347	4000K	105	Stock
	4410	42	120M / 347	3500K / 5000K	99 / 110	MTO
	3240	31	120M / 347	3500K / 4000K / 5000K	99 / 104 / 110	MTO
	2250	22	120M / 347	3500K / 4000K / 5000K	97 / 102 / 107	MTO
 <b>RF14-40LED02</b> 1 x 4 Retrofit	3000	31	120M / 347	4000K	96	Stock
	3000	31	120M / 347	3500K / 5000K	91 / 100	MTO

OPTIONAL ACCESSORIES

Dimming Drivers (D) 120M/347V

PHOTOMETRICS

Note: Photometric data result was obtained under decorative patterned lens with white painted interior condition.



Coefficient of Utilization  
Effective floor cavity reflectance = 20%

CC WALL	80	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0				
RCR	0	1.191	1.191	1.191	1.191	1.161	1.161	1.161	1.161	1.111	1.111	1.111	1.111	1.061	1.061	1.061	1.021	1.021	1.021	1.000
1	1.111	0.71	0.31	0.00	1.081	0.51	0.01	0.98	1.00	0.98	0.95	0.97	0.95	0.93	0.93	0.91	0.90	0.88	0.88	0.88
2	1.03	0.96	0.91	0.86	1.01	0.94	0.89	0.85	0.91	0.87	0.83	0.88	0.84	0.81	0.85	0.82	0.79	0.77	0.77	0.77
3	0.95	0.86	0.80	0.74	0.93	0.85	0.79	0.74	0.82	0.77	0.72	0.80	0.75	0.71	0.77	0.73	0.70	0.68	0.68	0.68
4	0.89	0.78	0.71	0.65	0.87	0.77	0.71	0.65	0.75	0.69	0.64	0.73	0.67	0.63	0.71	0.66	0.63	0.61	0.61	0.61
5	0.82	0.71	0.63	0.57	0.80	0.70	0.62	0.57	0.68	0.61	0.57	0.66	0.60	0.56	0.64	0.60	0.55	0.54	0.54	0.54
6	0.76	0.64	0.56	0.51	0.74	0.63	0.56	0.50	0.62	0.55	0.50	0.60	0.54	0.50	0.59	0.53	0.49	0.47	0.47	0.47
7	0.70	0.58	0.50	0.45	0.69	0.57	0.50	0.44	0.56	0.49	0.44	0.54	0.48	0.44	0.53	0.48	0.43	0.42	0.42	0.42
8	0.65	0.53	0.45	0.40	0.64	0.52	0.45	0.39	0.51	0.44	0.39	0.50	0.44	0.39	0.49	0.43	0.39	0.37	0.37	0.37
9	0.61	0.48	0.40	0.35	0.59	0.48	0.40	0.35	0.46	0.40	0.35	0.45	0.39	0.35	0.44	0.39	0.34	0.33	0.33	0.33
10	0.56	0.44	0.36	0.31	0.55	0.43	0.36	0.31	0.42	0.36	0.31	0.41	0.35	0.31	0.41	0.35	0.31	0.29	0.29	0.29

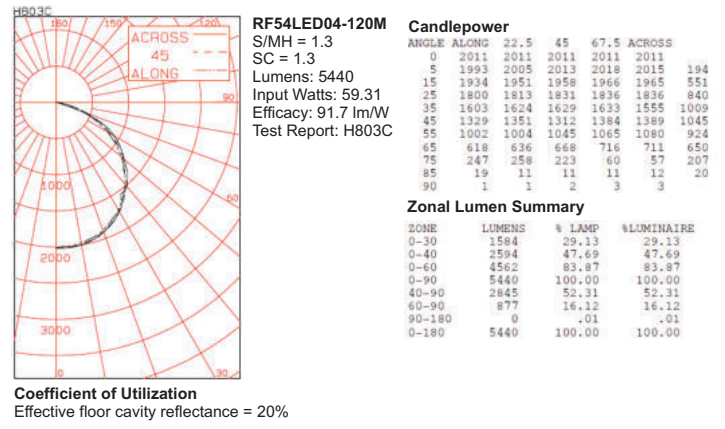


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SHIPPING DATA

Model No.	Weight
RF80LED08	4kg / 9lbs
RF54LED04	4kg / 9lbs
RF40LED04	2kg / 5lbs
RF40LED02	2kg / 5lbs
RF14-40LED04	2kg / 5lbs
RF14-40LED02	2kg / 5lbs

Note: Photometric data result was obtained under clear lens with white interior condition.



Coefficient of Utilization  
Effective floor cavity reflectance = 20%

CC WALL	80	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0				
RCR	0	1.191	1.191	1.191	1.191	1.161	1.161	1.161	1.161	1.111	1.111	1.111	1.111	1.061	1.061	1.061	1.021	1.021	1.021	1.000
1	1.111	0.71	0.31	0.00	1.081	0.51	0.01	0.98	1.00	0.98	0.95	0.96	0.94	0.92	0.93	0.91	0.89	0.88	0.88	0.88
2	1.02	0.95	0.89	0.84	1.00	0.93	0.88	0.83	0.90	0.85	0.82	0.87	0.83	0.80	0.84	0.81	0.78	0.76	0.76	0.76
3	0.94	0.85	0.77	0.72	0.92	0.83	0.77	0.71	0.80	0.75	0.70	0.78	0.73	0.69	0.75	0.71	0.68	0.66	0.66	0.66
4	0.87	0.76	0.68	0.62	0.85	0.75	0.68	0.62	0.72	0.66	0.61	0.70	0.65	0.60	0.68	0.63	0.59	0.57	0.57	0.57
5	0.80	0.68	0.60	0.54	0.78	0.67	0.59	0.53	0.65	0.58	0.53	0.63	0.57	0.52	0.61	0.56	0.52	0.50	0.50	0.50
6	0.74	0.61	0.53	0.47	0.72	0.60	0.52	0.46	0.58	0.51	0.46	0.57	0.50	0.46	0.55	0.49	0.45	0.43	0.43	0.43
7	0.67	0.55	0.46	0.41	0.66	0.54	0.46	0.40	0.52	0.45	0.40	0.51	0.44	0.39	0.50	0.44	0.39	0.37	0.37	0.37
8	0.63	0.49	0.41	0.36	0.61	0.49	0.41	0.35	0.47	0.40	0.35	0.46	0.40	0.35	0.45	0.39	0.35	0.33	0.33	0.33
9	0.58	0.45	0.37	0.31	0.57	0.44	0.37	0.31	0.43	0.36	0.31	0.42	0.35	0.31	0.41	0.35	0.31	0.29	0.29	0.29
10	0.54	0.41	0.33	0.28	0.53	0.40	0.33	0.28	0.39	0.32	0.28	0.38	0.32	0.27	0.38	0.32	0.27	0.26	0.26	0.26

Specifications and dimensions subject to change without notice.  
Consult your Energy Efficient Lighting Representative  
for availability and ordering information.

