

FEATURES & SPECIFICATIONS

INTENDED USE — The UFITR™ LED retrofit kits are the most versatile and configurable retrofit kits on the market. UFITR delivers all the options of a new fixture with the labor and material savings of a retrofit kit. This kit can be used almost anywhere a fluorescent strip or low bay is in use today, including warehouses, factories, storage facilities, educational facilities and retail. Please see application guide below for more details on where to use this kit.

CONSTRUCTION — The kit is precision-formed using cold rolled steel. The lensing is manufactured from a diffuse acrylic polymer ensuring visual comfort and no LED pixilation.

Finish: High-gloss, baked white enamel finish. Five-stage iron phosphate pretreatment ensures superior paint adhesion and rust resistance.

Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate. [Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.](#)

ELECTRICAL — Utilizes high-output LEDs integrated on a two-layer circuit board, ensuring cool-running operation. Optional internal pluggable wiring harness for reduced labor cost in row mounting applications. Electronic LED driver is multi-volt input and 0-10V dimming standard (see Operational Data on page 2 for actual wattage consumption). This fixture is designed to withstand a maximum line surge of 2.5kV at 0.75kA combination wave for indoor locations, for applications requiring higher level of protection additional surge protection must be provided.

L70 > 60,000 hours with SEF at 25°C.

L70 > 120,000 hours with HEF at 25°C.

LEDs provide nominal 80CRI at 3500K, 4000K, or 5000K.

Lumen output up to 2,500 lumens per foot.

INSTALLATION — Assembly installs quickly and securely using TEK screws to the host housing.

LISTINGS — UL certified to US and Canadian safety standards. For use in damp locations between -4°F (-20°C) and 86°F (30°C). Optional High Ambient (HA) ranging to 122°F(50°C) available on certain lumen packages.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

BUY AMERICAN — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY — 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C. Specifications subject to change without notice.

Catalog Number
Notes
Type

Linear LED

UFITR™

LED Retrofit Kit
4' and 8' Lengths

UFITRF

UFITRL

UFITRS



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: UFITRS L48 10000LM SEF MVOLT GZ10 40K 80CRI WH

Series	Length	Nominal Lumens	Performance Package	Voltage	Driver
UFITRL Lowbay	L46 46" ¹	4000LM 4,000 Lumens	SEF Standard efficiency	MVOLT 120-277V	GZ10 10% dimming
UFITRS Strip	L48 48"	6000LM 6,000 Lumens	HEF High efficiency	120 120V	EZ1 1% dimming, EldoLED
UFITRF Surface		8000LM 8,000 Lumens ³		277 277V	
		10000LM 10,000 Lumens ³		347 347V ^{3,4}	
	L92 92" ^{1,2}	8000LM 8,000 Lumens		480 480V ^{3,4}	
	L96 96" ²	12000LM 12,000 Lumens			
		16000LM 16,000 Lumens ³			
		20000LM 20,000 Lumens ³			

Color Temperature	Color Rendering Index	Options	Paint Finish
35K 3500K	80CRI 80 CRI	PLR1G Plug-in wiring with ground ⁵	WH White
40K 4000K		PLR1LVG Plug-in wiring with low voltage dimming and ground ⁵	
50K 5000K		BGTD Generator transfer device ⁶	
		SPD Surge protection device or additional protection up to 6kV	
		HA High ambient	
		BAA Buy America(n) Act Compliant	
		nLight® Wireless⁷	
		NLTAIR2 RES7 nLight® Generation 2 enabled PIR integral occupancy sensor with automatic dimming photocell	
		NLTAIR2 RES7PDT nLight AIR Generation 2 enabled dual technology integral occupancy sensor with automatic dimming photocell	
		NLTAIR2 RIO No sensor control	

Notes

- 1 Available for UFITRL only.
- 2 8ft fixtures come as 2 combined 4ft fixtures.
- 3 Not available with HA
- 4 Utilizes step down transformer.

- 5 Can only be used with 4" or wider channel.
- 6 Not available with NLTAIR2, PLR1LVG, MVOLT, 347V and 480V.
- 7 Not available with GZ10 or PLR1LVG. Maximum ambient temperature is 45°C when used with HA.

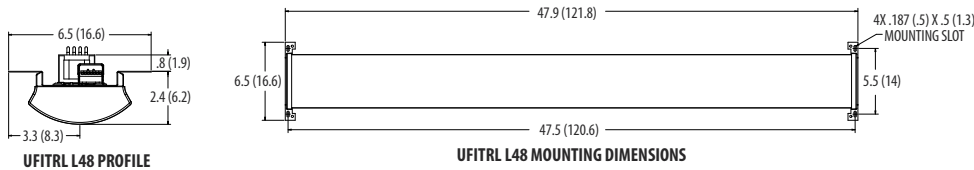
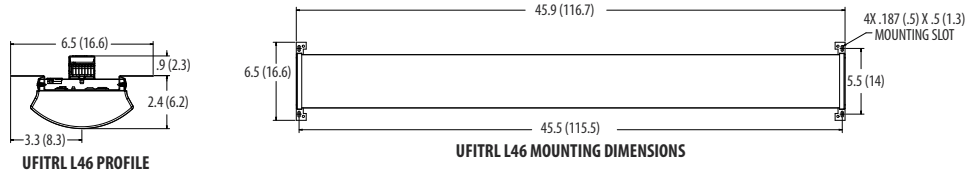
UFITR LED Striplight

DIMENSIONS

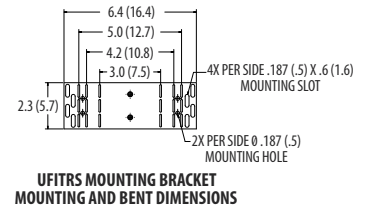
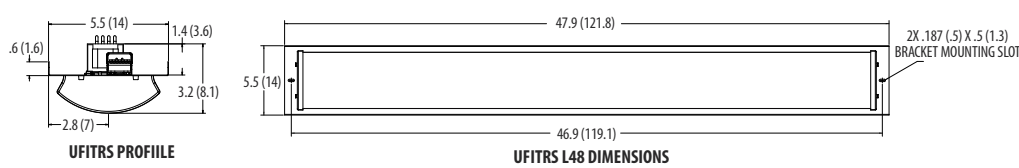
SERIES	LENGTH	ACTUAL LENGTH	WIDTH	APPROX WEIGHT	PALLET QTY	PALLET DIMS
UFITRL	L46/L48	45.9/47.9	6.5	4.2 lbs.	40	57x35x55
	L92/L96	91.8/95.8	6.5	8.4 lbs.	20	51x33x55
UFITRS	L48	47.9	5.5	4.2 lbs.	44	51x33x54
	L96	95.8	5.5	8.4 lbs.	20	51x33x50
UFITRF	L48	47.9	4.7	5 lbs.	50	51x33x50
	L96	95.8	4.7	10 lbs.	30	51x33x54

*Weights will vary slightly with added options. All dimensions are shown in inches unless otherwise specified.

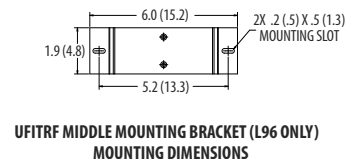
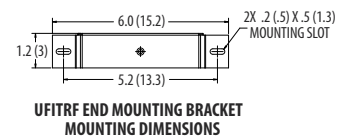
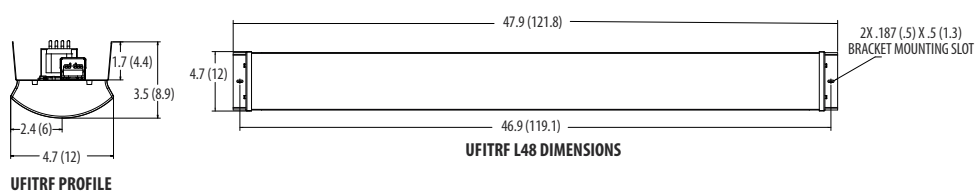
UFITRL



UFITRS



UFITRF



EMERGENCY BATTERY PACKS

BATTERY NOMENCLATURE	BATTERY UTILIZED	REMOTE ENCLOSURE	DESCRIPTION	EMERGENCY LUMENS
PS1055LCP	Power Sentry	ELA PSRME IC	Low profile constant power, 10W, Certified in CA title 20 MAEDBS	1500LM
IBL-CP10-HE-A	IOTA	None needed	Dual Flex, 10W	1200LM
IBL-CP10-HE-B	IOTA	Iota TMK-80 or RME1	Integral non-flex	1200LM

*Surge protection device SPD is recommended if fixture is intended to utilize battery. Batteries are individually UL listed, for installation in any Class-2 luminaire.

OPERATIONAL DATA

Series	Length	Lumen Package	Efficiency Package	Lumens at			Wattage	LPW @ 40K	
				3500K	4000K	5000K			
UFITR	L46	4000LM	SEF	3654	3862	3917	30.5	127	
			HEF	3780	3995	4052	28.6	140	
		6000LM	SEF	5593	5911	5995	44.4	133	
			HEF	5733	6059	6145	42.9	141	
		8000LM	SEF	7459	7884	7995	59.8	132	
			HEF	7507	7934	8046	57.2	139	
		10000LM	SEF	9052	9567	9703	74.3	129	
			HEF	9372	9825	9931	67.3	146	
		L48	4000LM	SEF	3808	4025	4082	30.5	132
				HEF	3898	4119	4178	28.6	144
			6000LM	SEF	5828	6160	6247	44.4	139
				HEF	5911	6248	6336	42.9	146
	8000LM		SEF	7773	8215	8332	59.8	137	
			HEF	7740	8180	8296	57.2	143	
	10000LM		SEF	9433	9970	10111	74.3	134	
			HEF	9663	10130	10240	67.3	151	
	L92		8000LM	SEF	7309	7724	7834	61.0	127
				HEF	7560	7990	8103	57.2	140
			12000LM	SEF	11186	11822	11990	88.8	133
				HEF	11466	12119	12290	85.8	141
		16000LM	SEF	14918	15767	15990	119.5	132	
			HEF	15013	15867	16092	114.4	139	
		20000LM	SEF	18104	19134	19405	148.5	129	
			HEF	18744	19649	19862	134.5	146	
		L96	8000LM	SEF	7616	8049	8163	61.0	132
				HEF	7795	8239	8355	57.2	144
			12000LM	SEF	11657	12320	12494	88.8	139
				HEF	11823	12495	12672	85.8	146
	16000LM		SEF	15546	16431	16663	119.5	137	
			HEF	15480	16360	16592	114.4	143	
	20000LM		SEF	18866	19939	20222	148.5	134	
			HEF	19326	20260	20479	134.5	151	

*All values are typical and are at 25°C. Actual performance may vary and is dependent on operating environment.

COMPARABLE LIGHT SOURCE

Traditional Light Source	Total Lumens	Delivered Lumens	Fluorescent Wattage	Fluorescent Delivered Lumens Per Watt	Reccomended UFIT Lumen Package	UFIT SEF Wattage	UFIT SEF Delivered Lumens Per Watt	UFIT HEF Wattage	UFIT HEF Delivered Lumens Per Watt
1 T5 Lamp	2900	1740	28	62	4000	30.5	127	28.6	140
2 T5 Lamps	5800	3480	56	62	4000	30.5	127	28.6	140
3 T5 Lamps	8700	5220	84	62	6000	44.4	133	42.9	141
4 T5 Lamps	11600	6960	112	62	8000	59.8	132	57.2	139
6 T5 Lamps	17400	10440	168	62	10000	74.3	129	67.3	146
8 T5 Lamps	23200	13920	224	62	16000	119.5	132	114.4	139
1 T5HO Lamp	5000	3000	54	56	4000	30.5	127	28.6	140
2 T5HO Lamps	10000	6000	108	56	6000	44.4	133	42.9	141
3 T5HO Lamps	15000	9000	162	56	10000	74.3	129	67.3	146
4 T5HO Lamps	20000	12000	216	56	12000	88.8	133	85.8	141
6 T5HO Lamps	30000	18000	324	56	20000	148.8	129	134.5	146
8 T5HO Lamps	40000	24000	432	56	20000	148.8	139	134.5	146
1 T8 Lamp	3000	1800	32	56	4000	30.5	127	28.6	140
2 T8 Lamps	6000	3600	64	56	4000	30.5	127	28.6	140
3 T8 Lamps	9000	5400	96	56	6000	44.4	133	42.9	141
4 T8 Lamps	12000	7200	128	56	8000	59.8	132	57.2	139
6 T8 Lamps	18000	10800	192	56	10000	74.3	129	67.3	146
8 T8 Lamps	24000	14400	256	56	16000	119.5	132	114.4	139

PROJECTED LUMEN MAINTENANCE

Operating Hours	12000	36000	50000	80000	120000
SEF Efficiency Package	94%	82%	75%	63%	50%
HEF Efficiency Package	97%	90%	86%	79%	70%

*These values are typical. Operating conditions and environment may alter these values.