LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

FEATURES & SPECIFICATIONS

INTENDED USE — The UFIT™ LED Low Bay is a perfect blend of traditional low bay looks and cutting edge LED technology and efficiency. This Luminaire can be used in almost any indoor environment including warehouses, factories, storage facilities, educational facilities and retail.

CONSTRUCTION — The full-body housing and optical assembly is precision-formed using cold rolled steel. The lensing is manufactured from a diffuse acrylic polymer ensuring visual comfort and no LED pixilation. A convenient access plate is located on the back of the channel for access to the wiring compartment.

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 single-circuit 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 3 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 aircraft cable, stem kit, or hanger chain.

LISTINGS — UL certified to US and Canadian safety standards. For use in damp locations between -4°F (-20°C) and 104°F (40°C). Optional High Ambient (HA) ranging to 122°F(50°C) available on certain lumen packages (See ambient temperature chart for additional information).

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

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

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/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.

LED Low Bay

UFIT™

LED Low Bay
4' and 8' Lengths

UFIT LED Striplight

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

Example: UFIT L48 8000LM SEF MVOLT GZ10 40K 80CRI WH

Series	Length	Nominal Lumens	Performance Package	Voltage	Driver	Color Temperature	Color Rendering Index
UFIT	L46 46" L48 48"	4000LM 4,000 Lumens 6000LM 6,000 Lumens 8000LM 8,000 Lumens[2] 10000LM 10,000 Lumens[2]	SEF Standard efficiency HEF High efficiency	MVOLT 120-277V 120 120V 277 277V 347 347V[2,3] 480 480V[2,3]	GZ10 10% dimming EZ1 1% dimming, EldoLED	35K 3500K 40K 4000K 50K 5000K	80CRI 80 CRI
	L92 92"[1] L96 96"[1]	8000LM 8,000 Lumens 12000LM 12,000 Lumens 16000LM 16,000 Lumens[2] 20000LM 20,000 Lumens[2]					

Options

PLR1G	Plug-in wiring with ground[4]
PLR1LVG	Plug-in wiring with low voltage dimming and ground[4]
BGTD	Generator transfer device[5]
SPD	Surge protection device or additional protection up to 6kV
HA	High ambient temperature
BAA	Buy America(n) Act Compliant

Cord Sets (6')

CS1W	Straight blade plug, 120V
CS11W	NEMA twist-lock plug, 277V
CS93W	600V SEOOW white cord, no plug (no voltage required)

nLight® Wireless[6]

NLTAIR2 RES7	nLight® Generation 2 enabled PIR integral occupancy sensor with automatic dimming photocell[7]
NLTAIR2 RES7PDT	nLight AIR Generation 2 enabled dual technology integral occupancy sensor with automatic dimming photocell[7]
NLTAIR2 RIO	No sensor control[7]
RPP20D	nLight AIR Generation 2, dimming and switching module
RPP20DER	nLight AIR Generation 2, dimming and switching module, UL924 emergency operation via power sense leads[8]
RPP20DEM	nLight AIR Generation 2, dimming and switching module, UL924 emergency operation via power interruption detection

Motion Sensors[6]

LCOZU	Aisle motion sensor, pre-wired
LCHOSZU	Aisle motion sensor, pre-wired; programmable dimming
LCPZU	Aisle motion sensor with photocell; pre wired
LAOZU	360° motion sensor, pre-wired
LAHOSZU	360° motion sensor, pre-wired; programmable dimming
LAPZU	360° motion sensor with photocell, pre-wired

Paint Finish

WH	White

Accessories: *Order as separate catalog number.*

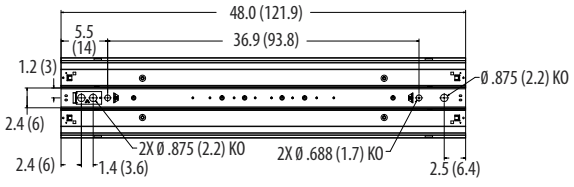
IBAC120 M100	Aircraft cable 10' with hook (one pair)
THMSHB J2	Tong Hangers[9]
HC36 M12	Hanger chain, 36" (1 pair)
SQ_	Swivel stem hanger (specify length in 2" increments up to 48")[10]
WGMS8Z	Wireguard for use with L48/L96 fixture[11]

*Emergency battery options are to be field installed only and are remote/external to fixture. See page 3.

Notes

1 8ft fixtures come a 2 combined 4ft fixtures.
2 Not available with HA.
3 Utilizes step down transformer.
4 Not available with cord sets or BGTD options.
5 Not available with MVOLT, 347V, 480V, PLR1LVG, controls and cord/plug options. Order CS93W5C (cord no plug with 5 conductor) if required with BGTD option.
6 Not available with other control options. Only one control can be used on a fixture.
7 Maximum ambient temperature is 45˚C when HA option is used. Not available with GZ10 or PLR1LVG options.
8 Not available with 347V or 480V.
9 When used with RPP20D, RPP20DER and RPP20DEM, Control will need to be installed OUTEND.
10 Includes single stem – must order qty 2 per fixture.
11 Requires 2 for L92 and L96.

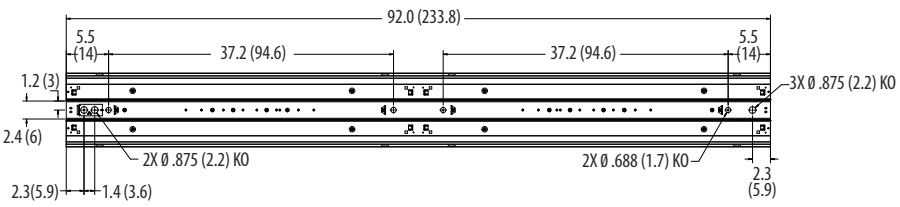
DIMENSIONS



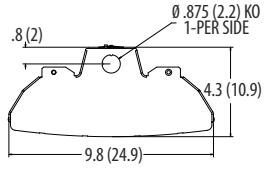
UFIT L48 KEY DIMENSIONS

LENGTH	ACTUAL LENGTH	WIDTH	APPROX WEIGHT	PALLET QTY	PALLET DIMS
L46	46.2	9.8	6 lbs.	36	51x48x55
L48	48.2	9.8	6 lbs.	27	57x35x55
L92/L96	92.2/96.2	9.8	12 lbs.	27	98x41x55

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



UFIT L92 KEY DIMENSIONS



UFIT PROFILE

COMMERCIAL INDOOR: One Lithonia Way, Conyers, GA 30012 Phone: 1-800-705-SERV (7378) techsupport-commercialindoor@acuitybrands.com www.lithonia.com

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
ILB-CP10-HE-A	IOTA	None needed	Dual Flex, 10W	1200LM
ILB-CP10-HE-B	IOTA	Iota TMK-80 or RME1	Intagral 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 luminare.

OPERATIONAL DATA

Series	Length	Lumen Package	Efficiency Package	Lumens at			Wattage	LPW @ 40K
				3500K	4000K	5000K		
UFIT	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.

PRODUCT INFORMATION

Passive Infrared Indoor Occupancy Sensor

A standard occupancy time delay is also present to ensure lights turn off (once minimum on timer has also elapsed) if no occupancy is detected.

This timer is factory set at 10 minutes to promote energy savings, but is adjustable between 30 seconds and 30 minutes. These adjustments may be done through the unit's push-button.

FEATURES

- Four interchangeable lenses - high mount 360°, low mount 360°, high mount aisleway, and small motion 360°.
- Integrated mounting bracket drops lens down 3" from chase nipple - no bracket accessory required.
- 100% digital PIR detection - provides excellent RF immunity

Note: Specifications subject to change without notice.

LSXR

Single Relay

sensorswitch

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

Example: LSXR 10 ADC HVOLT 30M

LSXR							
Series		**Lens option**				**Dimming/photocell**	
LSXR	Passive Infrared Indoor Occupancy Sensor	(blank)	No lens	610	High and low mount 360°	(blank)	None
		6	High mount, 360®	650	High mount 360° and aisleway	HL	High/low occupancy operation
		10	Low mount, 360°	3PK	High and low mount 360° and aisleway	P	Switching photocell (on/off)
		50	High mount aisleway	4PK	All lenses	ADC	Dimming and switching photocell
		9	Small motion, 360°			ANL	Dimming and switching photocell with high/low occupancy operation

Voltage		**Max dim level**		**Min dim level**		**Lead length**		**Temp humidity**		**Default time delay**	
(blank)	120-277 VAC (MVOLT)	(blank)	10 VDC	(blank)	Minimum dimming level of ballast	(blank)	14"	(blank)	None	(blank)	10 minutes (with minimum 15 minutes on time)
HVOLT	347-480 VAC	9H	9 VDC	1V	1 VDC	42L	42"	LT	Low temperature	5M	5 minutes (LED only)
		8H	8 VDC	2V	2 VDC					15M	15 minutes
		7H	7 VDC	3V	3 VDC					20M	20 minutes
				4V	4 VDC					30M	30 minutes
				5V	5 VDC						
				6V	6 VDC						

For additional information see www.lithonia.com