UR Series - 4ft
LED Upgrade Kit

Product Description

The UR Series 4ft LED upgrade kit delivers 4500 lumens of enhanced spectrum 80 CRI light while achieving over 100 lumens per watt at the system level. This innovative kit is designed for retrofitting existing 1'x4' or 2'x4' fixtures to energy saving LED. The UR Series is available in neutral or cool color temperatures and step dimming comes standard. The UR Series upgrade retrofit kit is easy to install and fits into almost any existing linear fluorescent fixture making it a perfect upgrade option where energy savings and long life are critical.

4' LED Lightbar
MOL- 44 inches

Performance Summary

Upgrade Existing 1'x4' & 2'x4' fixtures
Efficacy: 102 LPW at source level
System Delivered Light Output: 4500 lumens
Fixture Delivered Light Output: 4000 lumens*
Input Power: 44 watts
CRI: 80
CCT: 3500K, 4000K
Input Voltage: 120-277V
Warranty: 7 years
Lifetime: Designed to last 50,000 hours
Controls: Step Level to 50%
Mounting: Existing linear fluorescent fixtures

UR2-48™ Includes:

(6) Mounting Clips
(8) Self-Tapping Screws
(1) Driver Screw
(2) 4' LED Lightbars
(1) LED Driver
(1) Installation Instructions
(1) UL1598C Certification Label

UR3-48™ Includes:

(9) Mounting Clips
(12) Self-Tapping Screws
(1) Driver Screw
(3) 4' LED Lightbars
(1) LED Driver
(1) Installation Instructions
(1) UL1598C Certification Label

Ordering Information

Example: UR2-48-45L-35K-FD-6

Product	Lumen Output		Color Temp	Voltage	Control	Options
UR2-48 UR3-48	45L 44W	4500 lumens – 102 LPW	35K 3500 Kelvin 40K 4000 Kelvin	Blank 120-277 Volt (Standard)	S Step Dimming to 50%	10V 0-10V Dimming to 5% FD >80 CRI Blank 1 Kit (Single Pack) 6 6 Kits (UR2-24 Multi Pack) 4 4 Kits (UR3-24 Multi Pack)

* Varies by Fixture

Product Specifications

LUMEN MAINTENANCE FACTORS

- Reference www.cree.com/lighting for detailed lumen maintenance factors.

CONSTRUCTION & MATERIALS

- Lightweight aluminum heat sink housing provides strength and durability.
- Durable plastic mounting clips with integrated magnets allow for simple snap on design to fixture.

OPTICAL SYSTEM

- Specialized lens design for optimal light distribution and smooth visual effect.
- Measured and designed to achieve optimal light performance in existing fluorescent troffers.

ELECTRICAL SYSTEM

- Integral, high-efficiency driver and power supply.
- **Power Factor** = 0.9 nominal
- **Input Power**: Stays constant over life.
- **Input Voltage**: 120V-277V, 50/60Hz
- **Temperature Rating**: Designed to operate in temperatures 0-35° C
- **Total Harmonic Distortion**: < 20%
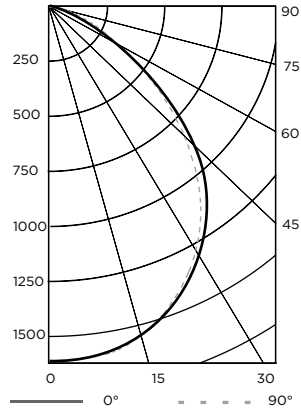
CONTROLS

- Step dimming to 50% comes standard.*

REGULATORY & VOLUNTARY QUALIFICATIONS

- DLC Qualified.
- UL1598C (Retrofit Kit).
- This product is UL Classified for U.S. and Canada for use in existing linear fluorescent fixtures.
- Suitable for damp locations.
- Designed for Indoor use.

*Reference www.cree.com/lighting for recommended dimming controls and wiring diagrams.

Photometry

UR2-48-4500L PHOTOMETRY BASED ON TEST REPORT#: CESTL-2013-0080

Coefficients Of Utilization

RCC %:	80			
RW %:	70	50	30	10
RCR: 0	119	119	119	119
1	110	105	101	98
2	100	93	86	81
3	92	82	74	68
4	85	73	65	59
5	78	66	57	51
6	72	60	51	45
7	67	54	46	40
8	63	50	41	36
9	59	46	38	32
10	55	42	34	29

Effective Floor Cavity Reflectance: 20%

Zonal Lumen Summary

Zone	Lumens	Luminaire
0-30	1,286	31.2%
0-40	2,095	50.9%
0-60	3,488	84.7%
0-90	4,118	100%
0-180	4,118	100%

Reference www.cree.com/lighting for detailed photometric data.

Rev. Date 11/7/2013

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