

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.

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% or 0-10V Dimming to 5%
Mounting: Existing linear fluorescent fixtures

UR2-48™ Includes:

(6) Mounting Clips	(9) Mounting Clips
(8) Self-Tapping Screws	(12) Self-Tapping Screws
(1) Driver Screw	(1) Driver Screw
(2) 4' LED Lightbars	(3) 4' LED Lightbars
(1) LED Driver	(1) LED Driver
(1) Installation Instructions	(1) Installation Instructions
(1) UL1598C Certification Label	(1) UL1598C Certification Label

UR3-48™ Includes:

UR2-48™



4' LED Lightbar
MOL- 44 inches

Accessories

UR-EB10W Emergency Backup - 10 Watts	UR2-48-45L-S-FD-DR 2 Lightbar Driver Only	UR3-48-45L-S-FD-DR 3 Lightbar Driver Only
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Ordering Information

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

QUICKSHIP™

For full list of Cree Quick Ship products visit www.cree.com/lighting/quickship

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

† See www.cree.com/lighting/products/warranty for warranty terms.

US: www.cree.com/lighting T (800) 236-6800 F (262) 504-5415

Canada: www.cree.com/canada T (800) 473-1234 F (800) 890-7507

Rev. Date: 02/06/2014



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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.*
- Optional continuous dimming to 5% with 0-10V DC control protocol.*

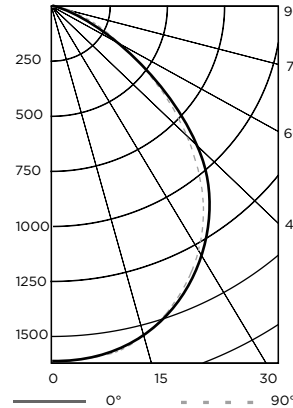
REGULATORY & VOLUNTARY QUALIFICATIONS

- 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			
	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.