

# UR Series - 2ft

LED Upgrade Kit

## Product Description

The UR Series 2ft LED upgrade kit delivers 3600 lumens of enhanced spectrum 80 CRI light while achieving 100 lumens per watt at the system level. This innovative kit is designed for retrofitting existing 1'x2' or 2'x2' 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

<b>Upgrade Existing 1'x2' &amp; 2'x2' fixtures</b>
<b>Efficacy:</b> 100 LPW at source level
<b>System Delivered Light Output:</b> 3600 lumens
<b>Target Fixture Delivered Light Output:</b> 3200 lumens*
<b>Input Power:</b> 36 watts
<b>CRI:</b> 80
<b>CCT:</b> 3500K, 4000K
<b>Input Voltage:</b> 120-277V
<b>Warranty†:</b> 7 years
<b>Lifetime:</b> Designed to last 50,000 hours
<b>Controls:</b> Step Level to 50% or 0-10V Dimming to 5%
<b>Mounting:</b> Existing linear fluorescent fixtures

UR2-24™



### UR2-24™ Includes:

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

### UR3-24™ Includes:

Accessories		
<b>UR-EB5W</b> Emergency Backup - 5 Watts	<b>UR2-24-36L-S-FD-DR</b> 2 Lightbar Driver Only	<b>UR3-24-36L-S-FD-DR</b> 3 Lightbar Driver Only

## Ordering Information

Example: UR2-24-36L-35K-FD-6



For full list of Cree Quick Ship products visit [www.cree.com/lighting/quickship](http://www.cree.com/lighting/quickship)

Product	Lumen Output	Color Temp	Voltage	Control	Options
UR2-24 UR3-24	<b>36L</b> 36W    3600 lumens - 100 LPW	<b>35K</b> 3500 Kelvin <b>40K</b> 4000 Kelvin	<b>Blank</b> 120-277 Volt (Standard)	<b>S</b> Step Dimming to 50% <b>10V</b> 0-10V Dimming to 5%	<b>FD</b> 80 CRI <b>Blank</b> 1 Kit (Single Pack) <b>6</b> 6 Kits (UR2-24 Multi Pack) <b>4</b> 4 Kits (UR3-24 Multi Pack)

\* Varies by Fixture

† See [www.cree.com/lighting/products/warranty](http://www.cree.com/lighting/products/warranty) for warranty terms.



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### Product Specifications

#### LUMEN MAINTENANCE FACTORS

- Reference [www.cree.com/lighting](http://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.\*

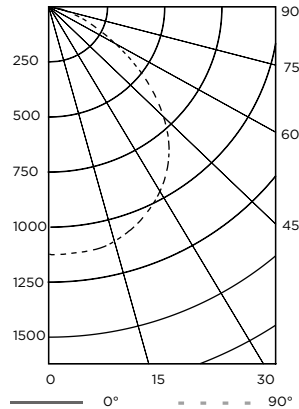
#### REGULATORY & VOLUNTARY QUALIFICATIONS

- 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](http://www.cree.com/lighting) for recommended dimming controls and wiring diagrams.

### Photometry

#### UR2-24-3600L PHOTOMETRY BASED ON TEST REPORT #: 2638466-02



#### Coefficients Of Utilization

RCC %:	80			
	70	50	30	10
RCR: 0	119	119	119	119
1	109	105	101	97
2	100	92	86	80
3	92	82	74	68
4	84	73	65	58
5	78	65	57	50
6	72	59	51	44
7	67	54	45	39
8	62	49	41	35
9	58	45	37	32
10	55	42	34	29

Effective Floor Cavity Reflectance: 20%

#### Zonal Lumen Summary

Zone	Lumens	Luminaire
0-30	880	30.8%
0-40	1,431	50%
0-60	2,398	83.8%
0-90	2,859	100%
0-180	2,860	100%

Reference [www.cree.com/lighting](http://www.cree.com/lighting) for detailed photometric data.