

**R2X**  
Recessed Direct LED

**Corelite™**



**Cooper Lighting**  
by **EAT•N**



## The New Standard for Office Lighting

The balance of value and performance with R2X makes LED the inevitable choice.

Experience refined architectural performance at a ground breaking value. The completely re-designed Corelite R2X comes with everything you would want for a long term sustainable lighting system. We have simplified everything to help you make the right choice. With the Corelite R2X, you get one of the most advanced LED products on the market with industry leading performance and price. The ultra-shallow profile provides peace of mind for plenum coordination while maintaining an architecturally pleasing environment with the all new low glare high performance opal lens.

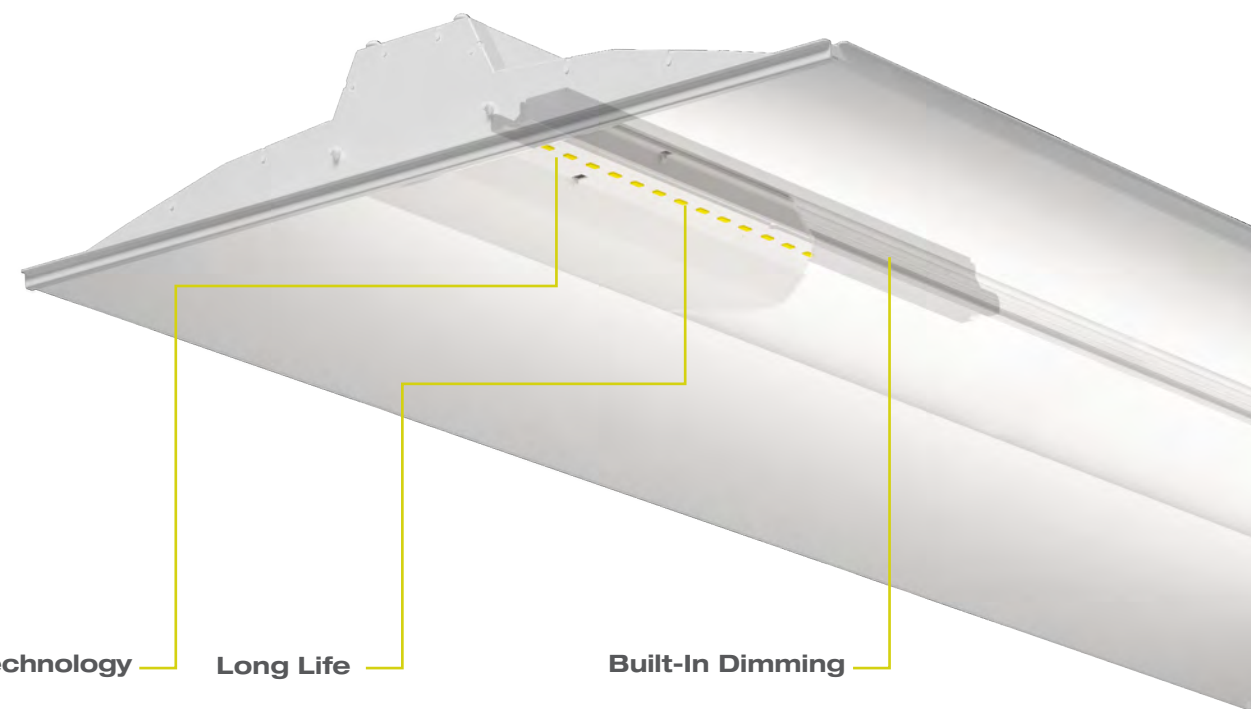




## The R2X provides peace of mind with a technology solution that is here to stay

LED technology continues to advance at an incredible rate. Cooper Lighting is leading the way for long term, dependable, and quality LED lighting systems. The R2X takes advantage of some of the most advanced resources and technologies available to create a high performing, long lasting, future proof, and energy saving tool for Owners, Architects, Engineers, and Designers.

The R2X is a truly smart luminaire at an industry leading value.



### Advanced Technology

We are officially at a point in time where LED is the most efficient light source for recessed ambient applications. Receive instant gratification in the knowledge that every moment the R2X is installed, you are saving money and energy over an equivalent fluorescent solution.

### Long Life

All Corelite fixtures are tested using the most stringent industry standards. We have tested all of our LED modules continuously for over 12,000 hours. This quantity and quality of data allows us to use industry leading TM-21 standards to confidently provide a 50,000 hour LED module.

### Built-In Dimming

Intelligent spaces require dimming to reduce energy consumption. The initial cost of a dimming fluorescent system now exceeds that of an R2X dimming solution. This makes the R2X an easy choice for reducing energy consumption.

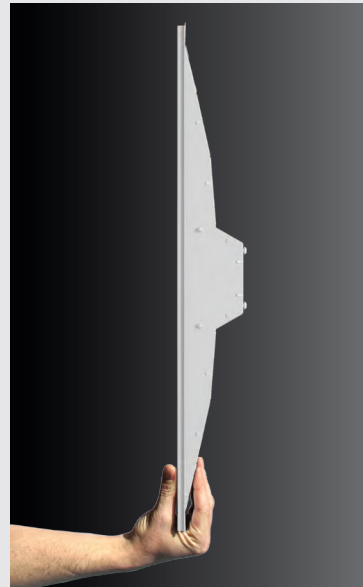
## KEY FEATURES

The Class R2X has all of the intelligent features you need for simplified integration into new or existing real world environments. Combine industry leading features with high performance engineering to achieve the ultimate one stop luminaire solution.



### Future Proof

You now can have confidence that you will be able to upgrade your entire LED system in the future, including the driver. The intelligently designed LED system allows the entire fixture to be upgraded to future higher performance LED solutions completely from below the plenum.



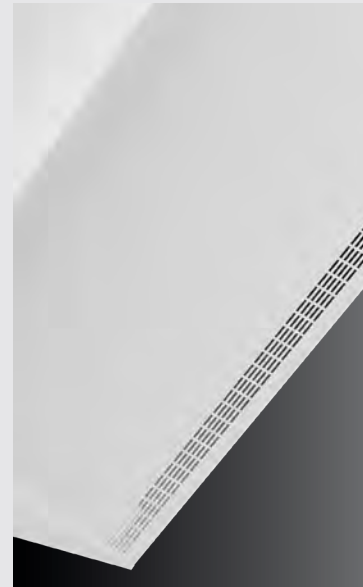
### Low Profile

The incredibly low profile of the R2X is ideal for shrinking plenums and ease of ceiling coordination.



### High Performance Lens

LED performance has never looked this good with the all new comfort soft lens designed specifically to bring out the beauty of an energy efficient solution. The engineered lens design provides efficient transmission while diffusing and reducing LED glare.



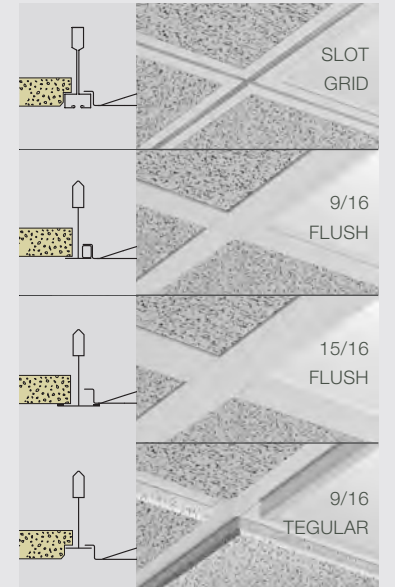
### Air Return

Utilize the unique R2X air return option in an air return environment for efficient air flow and reclamation in open spaces.



### Integral Sensor

Save energy with the all new integral sensor option. This option provides daylight harvesting and/or occupancy sensor integration with onboard commissioning to provide immediate energy benefits.



### Universal Flange

Whatever your ceiling grid style, the Class R2X LED has been uniquely engineered for precise integration with 4 standard "T" interfaces. This clean and flush finish to typical architectural ceilings and the attention to detail sets the Class R2X LED miles apart from competition.





Recessed Direct LED Luminaire  
General Lighting Applications

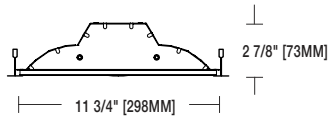
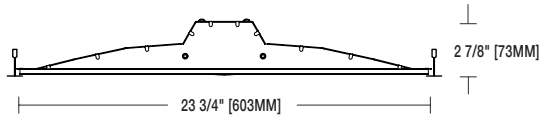
R2X 2x2



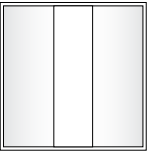
R2X - 2x4



R2X - 1x4



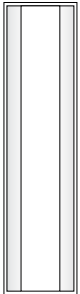
2x2



2x4



1x4



**Construction** Die-formed 20 gauge cold rolled steel housing and 22 Gauge pre-paint gear tray offers ballast access from below. **Lens Assembly** Lens assemblies positively snap to injection molded features at fixture ends for access to lamps. **Opal Lens (WO)** High light transmission frosted acrylic lens with UV inhibitors minimizes lamp image and ensures efficient light distribution. **Electrical** Fixture equipped with proprietary Cooper LED modules available in 3000, 3500 or 4000k with a CRI ≥ 85. Removable pan assembly from below the plenum allows for a future proof solution. Modules are driven using universal voltage switch-mode LED drivers. Fixture and modules certified to UL and cUL standards. A 0-10V dimming control is available (standard). **Finish** Fixtures finished with high reflectance white electrostatically applied polyester powder coat paint. **Mounting** Standard flange works with most lay-in ceiling types. Integral pry-out tabs secure luminaire to ceiling grid. Fixture offers tie-in locations for tie-wire on all corners, consult local code for appropriate tie-wire recommendations.

Concealed Ceiling Note: Class R2X may be installed into inaccessible ceilings (sheet rock, wood panel, etc.) with the Metalux DFW series drywall frame-in kit, ordered separately. Specify "CC" for the Corelite Ceiling Type. 1x4-Metalux #DF-14W-U. 2x4-Metalux #DF-24W-U. 2x2-Metalux #DF-22W-U.

NOTES

1. Lumen values vary depending on color temperature. Refer to photometric data for specific lumen values.
2. Consult your representative for available battery options. Battery is located on back of fixture housing when installed integral to fixture.
3. 347V is achieved by using a remote mounted transformer.
4. This option accommodates 120/220/240/277V at 50/60Hz.
5. Metric available. Please contact your representative for current available options.
6. See universal surface mount installation instructions for further surface mount kit information.
7. 2X2: Lutron driver not available in Light Level 3 and 4. 2X4 & 1X4: Lutron driver not available in Light Levels 2,4 and 5.
8. Sensor must be combined with 0-10V dimming driver.
9. Sensor must be combined with DALI dimming driver.
10. MWS not available in all wiring configurations. Consult your representative for available options and whip lengths.
11. 2X2: Visual appearance between Light Level 1 may differ from all other light levels due to quantity of LED arrays used in parallel. 2X4 & 1X4: Visual appearance between Light Levels 1 & 2 may differ from all other light levels due to quantity of LED arrays used in parallel.

R2X

ORDERING

SERIES

R2X Class R2X LED

REFLECTOR

W White

SHIELDING

O Opal Lens

LIGHT LEVEL <sup>11</sup>

1	Light level 1	4	Light level 4
2	Light level 2	5	Light level 5
3	Light level 3		

COLOR TEMPERATURE <sup>1</sup>

L30	LED 3000K
L35	LED 3500K
L40	LED 4000K

NUMBER OF CIRCUITS

1 1 circuit

WIRING

B	Battery Pack <sup>2</sup>	E	Emergency
C	Standard	T	Nightlight
D	Dimming	Y	Daylight

VOLTAGE

120	120V
277	277V
347	347V <sup>3</sup>
UNV	Universal 120V-277V <sup>4</sup>

SIZE <sup>5</sup>

22	2' X 2'
24	2' X 4'
14	1' X 4'

CEILING TYPE

T1	1" Grid, Slot Grid, 9/16" Tegular	CC	Concealed Ceiling
T9	9/16" T-bar	SU	Surface Mount <sup>6</sup>

DRIVER OPTIONS

5LT	FifthLight DALI Driver
LUT	Lutron Driver <sup>7</sup>
BLANK	Standard 0-10V Driver

INTEGRAL CONTROL OPTIONS

DS	Day-Sense integral daylight sensor <sup>8</sup>
2S	2Sense integral daylight/occupancy sensor <sup>9</sup>
BLANK	None

OPTIONS

AR	Air Return	W6	6' Whip Flex
CP	Chicago Plenum	W12	12' Whip Flex
NY	New York City Construction	MWS	Modular Wiring Systems Whip or Connector <sup>10</sup>
AM	Anti-Microbial Coating		
LG	Lens Gasketing		

ORDERING EXAMPLE

R2X-WO-2L35-1C-UNV-22-T1

## Take control with Cooper Controls

The R2X LED taps into the energy savings potential of Cooper Controls.

Cooper Controls offers a range of sensors, ballasts, drivers, control panels, and control devices to provide unrivaled energy savings and design flexibility.



iLumin provides complete control over architectural lighting elements with a variety of control devices and panels designed to work seamlessly with any project, no matter the size.

- Dimming Panels
- Relay Panels
- Mobile User Interfaces
- Graphic Wallstations
- Network Interfaces



Greengate's lighting control devices are easy to specify, order, and install and provide users with simple and reliable energy savings benefits.

- Energy Metering
- Daylight Controls
- Occupancy Sensors
- Lighting Control Panels
- Room Based Solutions



Fifthlight's suite of dimmable ballasts and drivers offer two-way communication with sensors, control panels, and internet devices to provide a personalized lighting experience at an affordable price.

- DALI Lighting Control Panels
- DALI Relay Panels
- DALI Multi-Sensors
- Touch Screen Interfaces
- Mobile User Interfaces



### Eaton's Cooper Lighting Business

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Mississauga, Ontario L5R 1B8  
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F: 905-501-3172

### Our Lighting Product Brands

Halo  
Halo Commercial  
Portfolio  
IRiS  
RSA  
Metalux  
Corelite  
Neo-Ray  
Fail-Safe  
MWS  
Ametrix  
Shaper  
io  
Lumark  
McGraw-Edison  
Invue  
Lumière  
Streetworks  
AtLite  
Sure-Lites

### Our Controls Product Brands

Greengate  
iLumin  
Zero 88  
Fifth Light Technology  
iLight (International Only)

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