JAYLŪM
Direct/Indirect LED and Fluorescent Lighting System
<table>
<thead>
<tr>
<th>Lamp Type</th>
<th>LED</th>
<th>2 T8 Lamps</th>
<th>1 T5HO Lamp</th>
</tr>
</thead>
<tbody>
<tr>
<td>Catalog Number</td>
<td>J2-WM-2L35-1D-UNV-4</td>
<td>J2-SM-2T8-1C-UNV-4</td>
<td>J2-SM-1T5-1C-UNV-4</td>
</tr>
<tr>
<td>Number of 4' Sections</td>
<td>18</td>
<td>18</td>
<td>18</td>
</tr>
<tr>
<td>Fixture Watts/4' Section</td>
<td>39 Watts</td>
<td>49 Watts</td>
<td>58 Watts</td>
</tr>
<tr>
<td>Fixture Lumens</td>
<td>3741</td>
<td>5955</td>
<td>4762</td>
</tr>
<tr>
<td>Light Level</td>
<td>30 FC</td>
<td>35 FC</td>
<td>31.8 FC</td>
</tr>
<tr>
<td>Spacing</td>
<td>12' Runs/8' Spacing</td>
<td>12' Runs/8' Spacing</td>
<td>12' Runs/8' Spacing</td>
</tr>
<tr>
<td>Lighting Power Density</td>
<td>0.391 W/SFT</td>
<td>0.491 W/SFT</td>
<td>0.584 W/SFT</td>
</tr>
<tr>
<td>% Better Than ASHRAE</td>
<td>60%</td>
<td>50%</td>
<td>40%</td>
</tr>
</tbody>
</table>

*All Calculations were performed utilizing a 0.8 Ceiling Reflectance, 0.5 Wall Reflectance, 0.2 Floor Reflectance, and a 0.85 Light Loss Factor. Fixtures were mounted 2’ from the ceiling and all light levels were calculated at 30” above finished floor. All ASHRAE calculations were performed using the space by space method from ASHRAE 06.1-2010.*
Performance, Versatility, and Style

The Corelite JAYLÜM merges affordability and performance in this timeless direct/indirect pendant. The JAYLÜM is designed to accompany almost any décor with clean lines and a slim profile. The LED option provides up to 93% downlight and 7% uplight, using a single LED light bar to meet even the most challenging power density requirements while putting the light where it is needed most. The fluorescent version can be specified with the patented Slide-N-Lock™ upper optic to give field-adjustable control of the direct and indirect lighting distribution. Two lens options, integral daylight/occupancy sensors, Fifth Light DALI addressability, companion wall-mount, and companion sconce allows this fixture to meet all of your specific project needs. Most importantly, the JAYLÜM incorporates economically engineered steel-construction and contractor-friendly installation features for which Corelite is known.
Corelite’s JAYLŪM offers the right technology choices for modern environments

The patent pending optical system of this LED fixture utilizes a single LED array to direct 93% of the light to the task surface, where it’s needed most. The LED optical design also achieves 7% uplight by reflecting light off of the lens and internal reflectors. This breakthrough optical design can achieve over 100 lumens per watt* while providing an architecturally pleasing space and maximizing the energy saving potential.

*Refer to the Corelite JAYLŪM website for the most current photometric data.

Three Solutions
Seamlessly connect your space utilizing the entire family of JAYLŪM products.

Suspended
Create energy efficient and high quality spaces without compromise using the suspended JAYLŪM fixture.

Wall
Expand your creativity efficiently with the JAYLŪM wall by locating in restrooms, offices, hallways, and more.

Sconce
Designed for horizontal and vertical mounting, the JAYLŪM sconce can efficiently accent any space with style.
**Improve fluorescent system performance by as much as 30% with “GFLO”**

Introducing the all new Green Fluorescent option. Utilizing high efficiency ballasts combined with energy efficient lamps you can get up to 30% more light out of the fluorescent system over standard lamp/ballast combinations. We recognize that fluorescent lamp and ballast technology continues to improve. We also understand the value in high efficiency fluorescent solutions. With the Green Fluorescent option, you can have peace of mind that you can meet the energy needs of any budget while at the same time reducing lamping and fixture counts. Simply select “GFLO” and your desired lamp color temperature and we will ship the current standard in high efficient lamp/ballast combinations with the fixture.

*Refer to the Corelite JAYLUM website for a technical list of products and efficiencies*

**Unique Features**
Corelite patented and integral features allow for fluorescent optical customization, contractor friendly installation, and integral sensors.

**Slide-N-Lock™**
Utilize the patented Corelite Slide-N-Lock™ system to allow for simple adjustment of the up and down light percentages in our suspended fluorescent solutions. Simply choose your optic and have it set at the factory or adjust it in the field with an effortless adjustment.

**Quick-Tab Alignment**
Corelite’s patented quick-tab alignment system creates a seamless and simple installation every time for short or long continuous runs. Simply align the tabs into the corresponding slots. The fixture can then hang freely while a single contractor makes the final connections; it all slides back together and is securely fastened in place.

**Integral Sensors**
Create a truly smart design using Integral daylight sensors and integral daylight / occupancy sensors for a simplified installation of your energy saving needs. Achieve up to 35% energy savings with the integration of Corelite Daysense and 2Sense integral control solutions.
Cooper Lighting is at the forefront in transforming the lighting industry and setting an unmatched standard for innovation and reliability. No one will do more to empower you with the innovations, technology and resources you need to meet the challenges of the future.

- Integrated control options
- LM79 and LM80 compliant
- 0-10V dimming standard
- 50,000 hour lifetime using TM-21-11 standards
- 85+ color rendering index (CRI)
- 5 year warranty including the LED and driver
- Future-proof replaceable module
### Typical Enclosed Office Calculation Summary (10’L x 12’W x 10’H)

<table>
<thead>
<tr>
<th>Lamp Type</th>
<th>Number of 4’ Sections</th>
<th>Catalog Number</th>
<th>Fixture Watts/4’ Section</th>
<th>Fixture Lumens</th>
<th>Light Level</th>
<th>Spacing</th>
<th>Lighting Power Density</th>
<th>% Better Than ASHRAE</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED</td>
<td>2</td>
<td>J2-WM-2L35-1D-UNV-4</td>
<td>39 Watts</td>
<td>3733</td>
<td>32 FC</td>
<td>8’ Run, Centered</td>
<td>0.662 W/SFT</td>
<td>41%</td>
</tr>
<tr>
<td>LED</td>
<td>2</td>
<td>J2-SM-2T8-1C-UNV-4</td>
<td>49 Watts</td>
<td>5255</td>
<td>31.4 FC</td>
<td>8’ Run, Centered</td>
<td>0.820 W/SFT</td>
<td>26%</td>
</tr>
<tr>
<td>T5HO Lamp</td>
<td>2</td>
<td>J2-SM-1T5-1C-UNV-4</td>
<td>58 Watts</td>
<td>4762</td>
<td>28.5 FC</td>
<td>8’ Run, Centered</td>
<td>0.973 W/SFT</td>
<td>12%</td>
</tr>
</tbody>
</table>

*All Calculations were performed utilizing a 0.8 Ceiling Reflectance, 0.5 Wall Reflectance, 0.2 Floor Reflectance, and a 0.85 Light Loss Factor. Fixtures were mounted 2’ from the ceiling and all light levels were calculated at 30” above finished floor. All ASHRAE calculations were performed using the space by space method from ASHRAE 62.1-2010.*
Cooper Controls brings energy savings, control, and addressability to Corelite

The future of lighting lies in smart controls in combination with smart light fixtures. From small private offices to large-scale building management systems, Cooper Controls has a fully integrated solution for any project. Cooper Controls now offers a complete line of digitally addressable control products as part of the Fifth Light brand which ensures 2-way communication with every component in the building. Fifth Light hardware consists of multi-sensors, user interfaces, personal controls, ballasts, drivers, and more. Fifth Light also offers a wide array of software that can work with VOIP phones, computers, tablets, and mobile phones so you can have complete control at your fingertips.

1. The Controls are Inside
   Fifth Light dimmable ballasts and drivers provide continuous dimming control along with programmable group and scene settings. The ballasts and drivers can even report the lamp status through the Digital Addressable Lighting Interface (DALI).

2. Sensors
   The Fifth Light Multi-Sensor allows for daylight harvesting, occupancy detection, and temperature control in a single unit. The DALI communication bus can even communicate to most standard mechanical building management systems.

3. Scalable Panels
   Fifth Light Lighting Control Panels (LCP) are scalable and modular in order to accommodate any lighting application. The LCP can communicate on a shared IP network for a fully converged solution.

4. Control on your Computer
   Fifth Light Lighting Management Software (LMS) allows you to manage large lighting systems through an easy to use web interface. The graphical interface allows for visual control over which lights are being controlled. The LMS can even allow you to control multiple facilities from a single web page.

5. Control on your IP Phone
   Fifth Light VOIP Lighting Software turns your telephone into a versatile lighting control device. Easily adjust the light levels on a single fixture or multiple fixtures from the keypad or touch screen. The VOIP Light Software is ideal for conference rooms, offices, and common areas.

6. Control at your Fingertips
   Fifth Light Mobile Lighting Software provides advanced control and sophisticated management of the lighting system in the palm of your hand using your smart phone or tablet. Set light levels, track energy consumption, and receive status reports using native applications running on your mobile device.
J2 - SUSPENDED

CONSTRUCTION
Low profile housing die-formed 20 gauge cold rolled steel with integral one-piece 20 gauge gear tray. REFLECTORS Reflective reflector pan is a high reflectance white powder coat paint finish. Option for specular optical inserts for wider distribution and close to ceiling applications. LENS ASSEMBLY Fixture is offered with two different lens media CLEAR MICRO PRISMATIC LENS (M) High light transmission 0.118" thick clear micro-prismatic acrylic lens ensures efficient light distribution. LED solution allows for “Hourglass” effect that minimizes direct LED glare while at the same time creating a uniquely LED appearance.
FROSTED LENS (L) High light transmission 0.08" thick frosted acrylic allows for diffusion of both fluorescent and LED sources. The lens assembly minimizes lamp image and ensures efficient light distribution.

ELECTRICAL FLUORESCENT T5/T5HO fixtures use UL listed Class P; program rapid start universal voltage electronic ballasts with a power factor greater than 0.95 and a less than 10% THD. T8 fixture use Class P; T9 instant start universal voltage electronic ballasts with a power factor greater than 0.98 and a less than 10% THD. Fixtures and electrical components certified to UL and CUL standards.

ELECTRICAL LED For fixtures equipped with proprietary Cooper LED technology, modules are driven using universal voltage switch-mode LED drivers with standard 0-10V dimming. Cooper LED modules are available in 3000K, 3500K, and 4000K with a CRI greater than 85. Fixtures and electrical components certified to UL and CUL standards. FINISH Fixture housings are high reflectance white using electrostatically applied polyester powder coat paint. MOUNTING Standard aircraft cable mounts on 4'-0" and 8'-0" centers. Refer to Installation instructions for various ceiling interface details. ENDCAPS Standard endcap rounded die cast aluminum mechanically attached flush to end of fixture without exposed fasteners.

1. Lumen values shown are for Micro Prismatic Lens option. Refer to photometric data for specific lumen values for alternate lens and cover options.
2. Option only available in fluorescent with 2 or more lamps.
3. Maximum two ballasts per 4' fixture.
4. Remote only for LED.
5. This option accommodates 120/220/240/277V at 50/60Hz.
7. Percentages shown for reference only. Refer to photometric data for actual percentages up and down.

**FIXTURE**
- J2 - JAYLÚM Suspended fixture

**OPTICS UP**
- W - White
- S - Specular

**OPTICS DOWN**
- M - Clear microprismatic lens
- L - Frosted lens

**LAMP QTY - LED**
- 1L - Light Level 1 (30W/2999lms) 1 lamp
- 2L - Light level 2 (39W/3858lms) 2 lamps
- 3L - Light level 3 (50W/4731lms) 3 lamps

**LAMP QTY - FLUORESCENT**
- 1S - Light Level 1 (50W/4731lms) 1 lamp
- 2S - Light level 2 (60W/5520lms) 2 lamps
- 3S - Light level 3 (70W/6309lms) 3 lamps

**LAMP TYPE - LED**
- 30 - LED 3000K
- 35 - LED 3500K
- 40 - LED 4000K

**LAMP TYPE - FLUORESCENT**
- 30 - LED 3000K
- 35 - LED 3500K
- 40 - LED 4000K

**NUMBER OF CIRCUITS**
- 1 - 1 circuit
- 2 - 2 circuits 2, 3

**WIRING**
- B - Battery 4
- C - Standard
- D - Dimming
- E - Emergency
- F - Nightlight
- Y - Daylight

**VOLTAGE**
- 120V - Universal 120V-277V 5
- 277V - 347V

**SUSPENSION**
- A - Aircraft cable
- C - Curly cord
- K - Straight cord

**SUSPENSION LENGTH**
- 48" = 120" = 300" = 360"

**CEILING TYPE**
- T1 - 1" T-bar
- T9 - 9/16" T-bar
- TS - Slotted T-bar

**FIXTURE LENGTH**
- 4 - 4 ft
- 8 - 8 ft
- XX - Specify*

**BALLAST OPTIONS**
- 5LT - Fifth Light ballast or driver
- GFL030 - Green Fluorescent Option - 3000K lamps
- GFL035 - Green Fluorescent Option - 3500K lamps
- GFL401 - Green Fluorescent Option - 4100K lamps
- BLANK - None

**INTEGRAL CONTROL OPTIONS**
- DS - Day-Sense integral daylight sensor
- 2S - 2Sense integral daylight/occupancy sensor
- BLANK - None

**TOP COVER OPTIONS**
- SLIDE-N-LOCK (%Up/%Down) 7
- DC - Dust cover
- DLED - LED downlight kit
- BLANK - None

**FINISH**
- BLANK - White
- S - Silver
- CC - Custom color

**ORDERING EXAMPLE**
- J2-WL-2L35-1D-UNV-AC48-T1-4-DLED
Lighting can account for over 40% of the total energy consumed daily by commercial, industrial, or institutional buildings. When trying to improve the energy efficiency of a project, lighting control is an ideal place to start. Lighting control can offer more than energy savings. Combine energy savings with simplified specification and easy installation, low cost of ownership, the best value, and exceptional customer service. That is a solution - a Greengate solution.

**Typical Classroom Calculation Summary (50’L x 30’W x 10’H)**

<table>
<thead>
<tr>
<th>Lamp Type</th>
<th>LED</th>
<th>2 T8 Lamps</th>
<th>1 T5HO Lamp</th>
</tr>
</thead>
<tbody>
<tr>
<td>Catalog Number</td>
<td>J2-WM-3L35-1D-UNV-4</td>
<td>J2-SM-2T8-1C-UNV-4</td>
<td>J2-SM-1T5-1C-UNV-4</td>
</tr>
<tr>
<td>Number of 4’ Sections</td>
<td>21</td>
<td>24</td>
<td>24</td>
</tr>
<tr>
<td>Fixture Watts/4’ Section</td>
<td>50 Watts</td>
<td>49 Watts</td>
<td>58 Watts</td>
</tr>
<tr>
<td>Fixture Lumens</td>
<td>3733</td>
<td>5255</td>
<td>4762</td>
</tr>
<tr>
<td>Light Level</td>
<td>51.7 FC</td>
<td>55.3 FC</td>
<td>50.0 FC</td>
</tr>
<tr>
<td>Spacing</td>
<td>28’ Runs/10’ Spacing</td>
<td>12’ Runs/8’ Spacing</td>
<td>12’ Runs/8’ Spacing</td>
</tr>
<tr>
<td>Lighting Power Density</td>
<td>0.703 W/SFT</td>
<td>0.787 W/SFT</td>
<td>0.934 W/SFT</td>
</tr>
<tr>
<td>% Better Than ASHRAE</td>
<td>43%</td>
<td>37%</td>
<td>25%</td>
</tr>
</tbody>
</table>

*All Calculations were performed utilizing a 0.8 Ceiling Reflectance, 0.5 Wall Reflectance, 0.2 Floor Reflectance, and a 0.85 Light Loss Factor. Fixtures were mounted 2’ from the ceiling and all light levels were calculated at 30” above finished floor. All ASHRAE calculations were performed using the space by space method from ASHRAE 90.1-2010.*
CONSTRUCTION
Low profile housing die-formed 20 gauge cold rolled steel with integral one-piece 20 gauge gear tray. Reflectors reflector pan is a high reflectance white powder coat paint finish. Option for specular optical inserts. Lens Assembly fixture is offered with two different lens media CLEAR MICRO PRISMATIC LENS (M) high light transmission 0.118" thick clear micro-prismatic acrylic lens ensures efficient light distribution. LED solution allows for "Hourglass" effect that minimizes direct LED glare while at the same time creating a uniquely LED appearance. FROSTED LENS (L) high light transmission 0.08" thick frosted acrylic allows for diffusion of both fluorescent and LED sources. The lens assembly minimizes lamp image and ensures efficient light distribution. Electrical fluorescent fixtures use UL listed Class P, program rapid start universal voltage electronic ballasts with a power factor greater than 0.95 and a less than 10% THD. T8 fixture use Class P, T8 instant start universal voltage electronic ballasts with a power factor greater than 0.98 and a less than 10% THD. Fixtures and electrical components are certified to UL and CUL standards. Electrical LED for fixtures equipped with proprietary Cooper LED technology, modules are driven using universal voltage switch-mode LED drivers with standard 0-10V dimming. Cooper LED modules are available in 3000K, 3500K, and 4000K with a CRI greater than 85. Fixtures and electrical components certified to UL and CUL standards. Finish fixtures are high reflectance white using electrostatically applied polyester powder coat paint. Mounting system allows for precise mounting on 4'-0" and 8'-0" centers. Refer to installation instructions for rail mounting details. Endcaps standard endcaps are rounded die cast aluminum mechanically attached flush to end of fixture without exposed fasteners.

OPTICS UP
W White
S Specular

OPTICS DOWN
M Clear microprismatic lens
L Frosted lens

LAMP QTY - LED
1L Light level 1 (16W) 1
2L Light level 2 (25W) 1

LAMP QTY - FLUORESCENT
1 1 lamp

LAMP TYPE - LED
30 LED 3000K
35 LED 3500K
40 LED 4000K

LAMP TYPE - FLUORESCENT
30 T5 normal output
35 T5 high output
40 T8 T8 normal output

NUMBER OF CIRCUITS
1 1 circuit

WIRING
B Battery
C Standard
D Dimming
E Emergency
T Nightlight
Y Daylight

VOLTAGE
120 120V
277 277V
UNV Universal 120V-277V

RUN LENGTH
4 4’ individual
8 8’ individual
X Specify

SUSPENSION
SU-WA Surface wall mount

BALLAST OPTIONS
5LT Fifth Light ballast or driver
GFL030 Green Fluorescent Option - 3000K lamps
GFL035 Green Fluorescent Option - 3500K lamps
GFL041 Green Fluorescent Option - 4100K lamps
BLANK None

TOP COVER OPTION
DU Dust cover
BLANK None

FINISH
BLANK White
S Silver
CC Custom color

ORDERING EXAMPLE
J2W-WL-2L35-1D-UNV-SU-WA-4

1. Refer to photometric data for specific lumen values for lens and cover options.
2. Maximum one ballast or driver per 4’ fixture.
3. Remote only for LED.
4. This option accommodates 120/220/240/277V at 50/60Hz.
5. Metric available.

J2W - WALL
CONSTRUCTION  Low profile housing die-formed 20 gauge cold rolled steel with integral one-piece 20 gauge gear tray. REFLECTORS  Reflector pan is a high reflectance white powder coat paint finish. LENS ASSEMBLY is a FROSTED LENS (L) High light transmission 0.08" thick frosted acrylic allows for diffusion of LED sources. The lens assembly minimizes LED image and ensures efficient light distribution. ELECTRICAL LED  For fixtures equipped with proprietary Cooper LED technology, modules are driven using universal voltage switch-mode LED drivers with standard 0-10V dimming. Cooper LED modules are available in 3000K, 3500K, and 4000K with a CRI greater than 85. Fixtures and electrical components certified to UL and CUL standards. FINISH  Fixture housings are high reflectance white using electrostatically applied polyester powder coat paint. MOUNTING  Fixture can mount either vertically or horizontally utilizing adjustable wall mount bracket. Refer to installation instructions for further mounting details. ENDCAPS  Standard endcaps are rounded die cast aluminum mechanically attached flush to end of fixture without exposed fasteners.

### FIXTURE
- **J2S**  JAYLUM Sconce

### OPTICS
- **L**  Frosted lens

### LIGHT LEVEL - LED
- **1L**  Light level 1 (12W)
- **2L**  Light level 2 (20W)

### LAMP TYPE - LED
- **30**  LED 3000K
- **35**  LED 3500K
- **40**  LED 4000K

### NUMBER OF CIRCUITS
- **1**  1 circuit

### WIRING
- **B**  Battery
- **C**  Standard
- **D**  Dimming
- **E**  Emergency
- **T**  Nightlight
- **Y**  Daylight

### VOLTAGE
- **120**  120V
- **277**  277V
- **UNV**  Universal 120V-277V

### MOUNTING
- **SU-WA**  Surface wall mount

### FINISH
- **BLANK**  White
- **S**  Silver
- **CC**  Custom color

### ORDERING EXAMPLE
- **J2S-L-2L35-1C-UNV-SU-WA**

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1. Maximum one driver per fixture
2. Remote only
Shown with custom color finish. Consult factory for options.
Corelite
18001 East Colfax Ave.
Aurora, CO 80011
P: 303-393-1522
F: 303-393-1477

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F: 770-486-4801

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Mississauga, Ontario L5R 1B8
P: 905-507-4000
F: 905-568-7049

The Cooper Lighting Family
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Metalux
Lumark
Sure-Lites
Neo-Ray
Corelite
Portfolio
Iris
Shaper
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Lumière
Invue
McGraw-Edison
Streetworks
Fail-Safe
MWS
DLS
RSA
Ametrix

Domestic Facilities
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Elk Grove Village, Illinois
Irving, Texas
Ontario, California
Peachtree City, Georgia

Canadian Facilities
Calgary, Alberta T2E 7V9

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