

**Converge**  
LED architectural luminaires

**Neo-Ray**





*2944 Sq ft, 16ft x 8ft spacing, 24 4ft fixtures @ L4  
18ft ceiling with 9.5ft suspension length  
**Task:** 28 fc avg, avg/min = 1.7:1  
**Ceiling:** 13.3 fc avg, avg/min = 1.2:1  
**Power Consumption:** 0.41 Watts per sq ft*

## Neo-Ray Converge luminaires

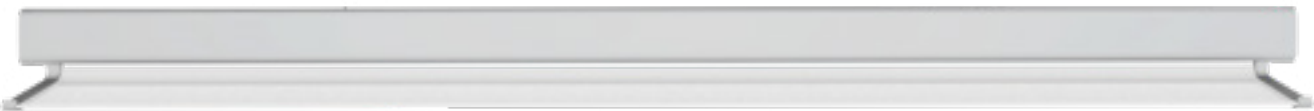
Minimalist design. Maximum effect.

Meet the new standard in ambient lighting. The Converge™ series by Neo-Ray® pairs clean, minimalist design with the most advanced optical distribution and control on the market. With no traditional, unsightly power cords, the luminaire is elegantly suspended by aircraft cables that deliver low-voltage power.



# Dynamic design options

The Converge is available in 4’ and 8’ individual luminaires and continuous runs in 4’ increments. For added design flexibility, the luminaire is offered in both curvilinear and rectilinear profiles. The design possibilities are endless.



4’ Individual run



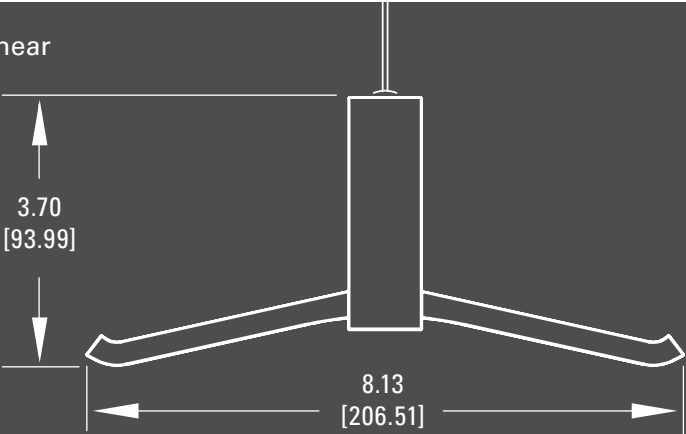
8’ Individual run



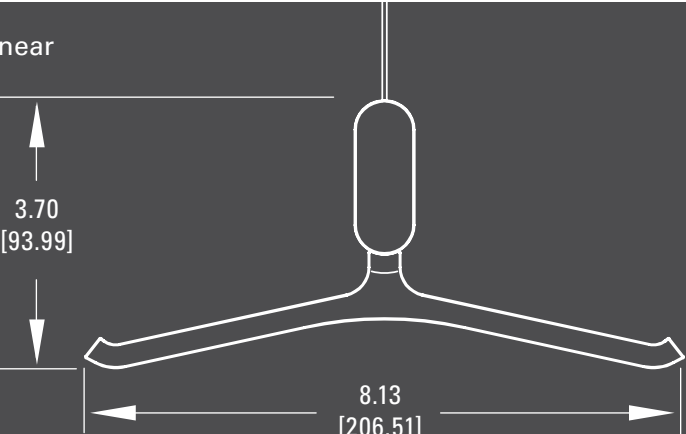
Continuous runs



Rectilinear



Curvilinear





2793 Sq ft, 16ft x 13ft spacing, 12 8ft fixtures @ L3

11ft ceiling with 2ft suspension length

**Task:** 29.4 fc avg, avg/min = 2.5:1

**Ceiling:** 19.2 fc avg, avg/min = 2.8:1

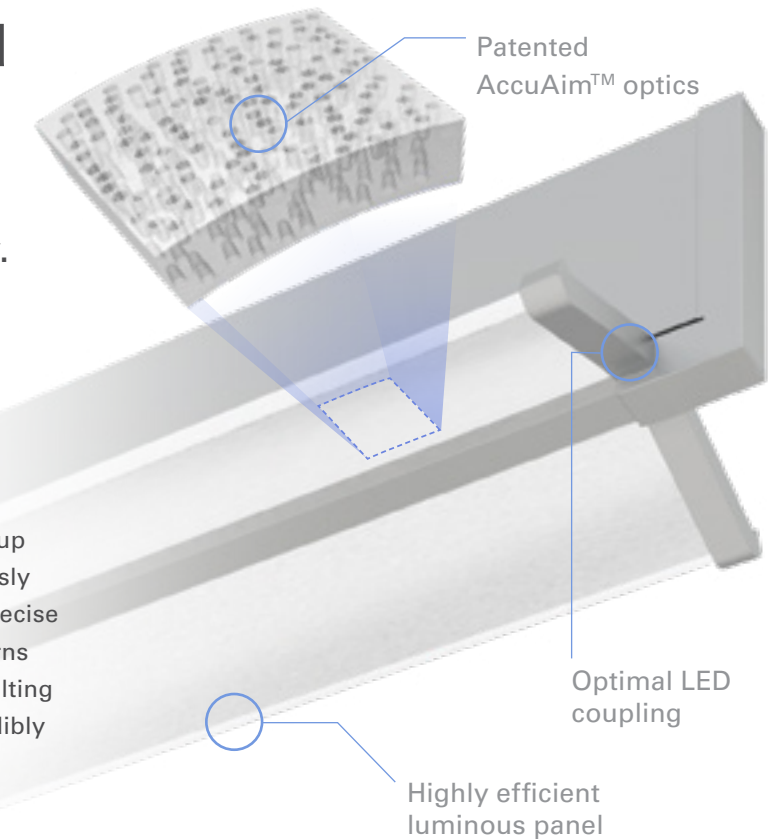
**Power consumption:** 0.33 Watts per sq ft

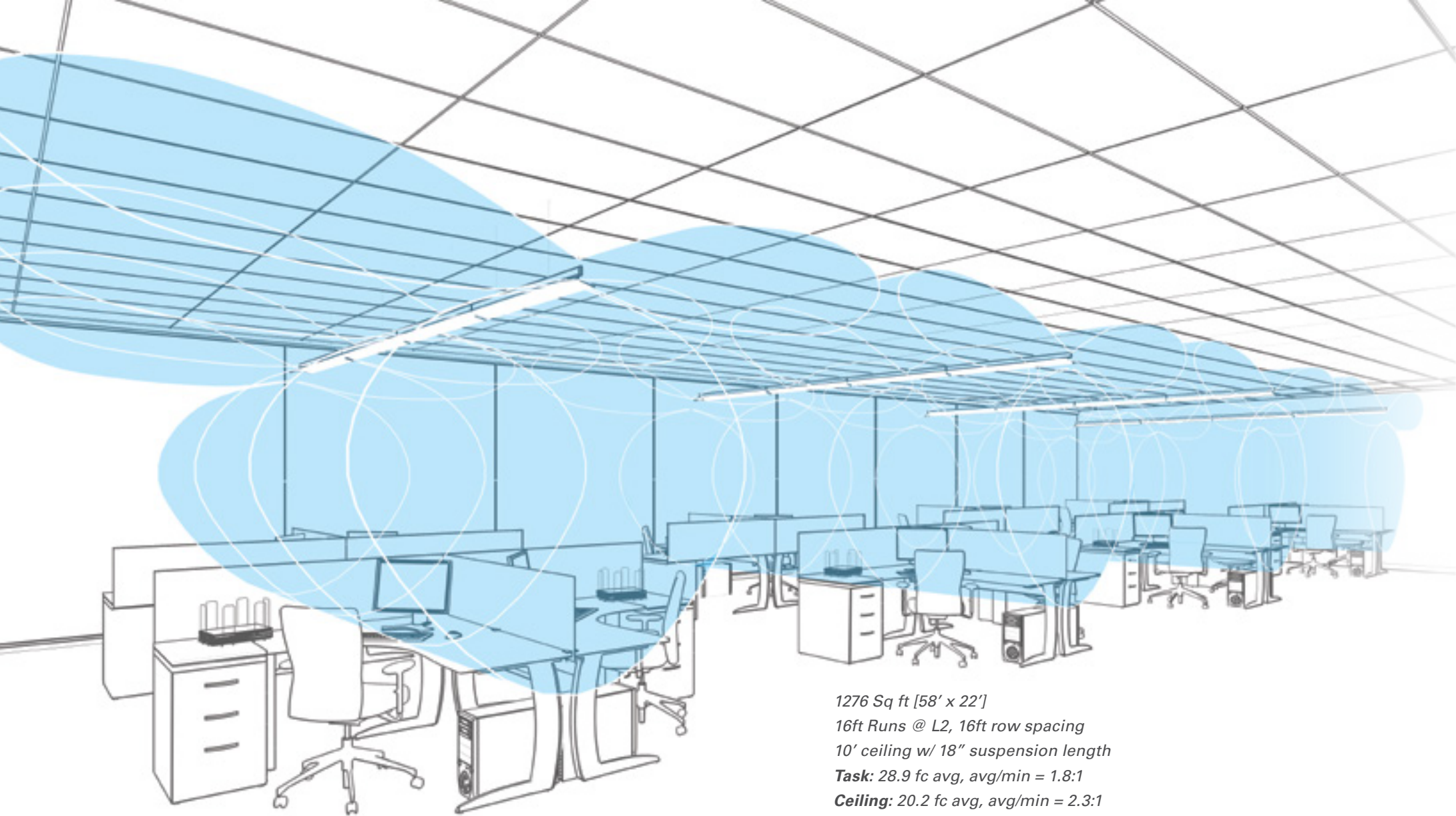
## The science behind the design

Next generation curved Wavestream® LED technology.

Our proprietary light mixing chamber and optical coupling (patent pending) maximizes the amount of light injected into the WaveStream LED panels while ensuring uniform color and light distribution.

Not only is the luminaire incredibly efficient (up to 121 Lm/W), but our design team meticulously refined the optical distribution using Laser-precise AccuAim™ optics arranged in exacting patterns for unmatched optical performance. The resulting luminaire is both visually stunning and incredibly high performing.





1276 Sq ft [58' x 22']  
16ft Runs @ L2, 16ft row spacing  
10' ceiling w/ 18" suspension length  
**Task:** 28.9 fc avg, avg/min = 1.8:1  
**Ceiling:** 20.2 fc avg, avg/min = 2.3:1  
**Power Consumption:** 0.34 Watts per sq ft

# The science behind the optics

Take design flexibility to a new plane.

All aspects of the wing-shaped design, from the angle to the bend radius, were uniquely designed with one goal in mind -- maximizing both visual comfort and energy efficiency.

The Converge's ideal uplight distribution provides unmatched ceiling uniformity, allowing lighting designers to increase row spacing regardless of the suspension length. Increasing luminaire row spacing drives down the total installed cost of lighting, while reducing the overall watts per square foot.



Maximum / Minimum Illuminance Uniformity Table						
Suspension Length						
Spacing	12"	15"	18"	24"	30"	36"
10'	4.7	3.0	2.2	1.6	1.6	1.8
12'	7.9	4.9	3.4	1.5	1.5	1.6
14'	12.5	7.5	5.1	1.5	1.5	1.6
16'	18.8	11.2	7.3	3.4	1.9	1.6






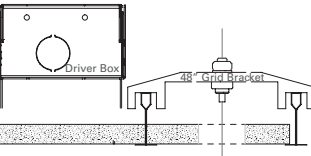
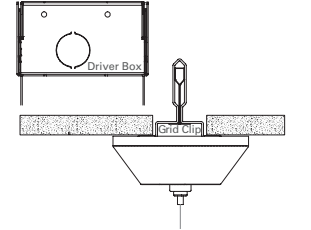
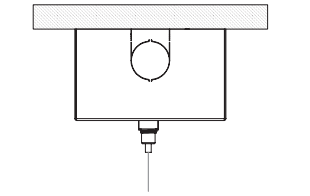
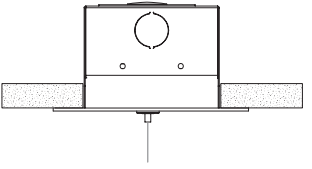
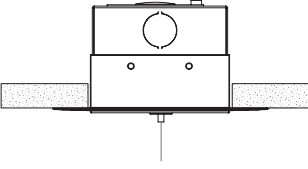


# Flexible mounting options

With a variety of mounting configurations, the Converge can be installed to multiple ceiling surfaces.

## Advanced LuxWire™ technology

Low-voltage power is delivered to the suspended luminaire via aircraft cables. Drivers and bulky power cords are tucked above the ceiling, allowing the luminaire to suspend beautifully in space.

Pierced Tile	Grid	Structure	Sheetrock	Flangeless Sheetrock
				
<p>The cleanest installation imaginable! No visible mounting hardware, driver box or electrical connections.</p> 	<p>Our universal grid-clip and painted cast-metal cover provide a simple and visually pleasing installation.</p> 	<p>The surface mount option enables you to mount the driver box to any solid surface.</p> 	<p>Our sheetrock configuration combines ease of installation with a high aesthetic look.</p> 	<p>Our tapered flange allows you to mud right up to the cover plate for a seamless high-end installation.</p> 

# Synchronizing light and movement

Converge LED luminaires are fully controllable to maximize energy and savings.

Save energy and money during off-peak times while extending the life of your system with Cooper Lighting Solutions’ wide range of convenient control options.

**Enabled solutions:** Integral 0-10V dimming drivers are standard and can be controlled by external systems. Optional FifthLight DALI drivers enable addressable digital control.

**Connected solutions:**

### LumaWatt Pro

The Converge is available with a factory-wired, tile-mount LumaWatt Pro sensor. Building owners can drive down energy costs, improve occupant comfort and establish a unified solution for energy management and building automation. The system provides more than 70 percent energy savings on lighting use through occupancy detection, task tuning, daylight harvesting, scheduling and metering of actual power consumption.

### DLVP

The Converge is available with a Distributed Low-Voltage Power (DLVP) driver designed to provide energy efficient code compliance in a simplified package. The DLVP system streamlines installation, reducing total install time up to 40 percent, while reducing total install cost up to 20 percent over traditional wiring methods. End-users will save on operating costs with a system designed to drive energy efficiency throughout the building, while benefiting from centralized and simplified operation.



*3780 Sq ft, 14ft row spacing, 9 24ft runs @ L2  
14ft ceiling with 4.5ft suspension length  
**Task:** 32.7 fc avg, avg/min = 2.1:1  
**Ceiling:** 16.6 fc avg, avg/min = 1.7:1  
**Power Consumption:** 0.39 Watts per sq ft*

The Converge lends itself especially well to daylight harvesting. With its sleek design and transparent WaveStream panels, the Converge minimizes shadows from desirable natural lighting. In this open office example, a ceiling mounted daylight sensor is used to provide open-loop daylight harvesting zones, achieving up to 30% energy savings.

# Available finishes

The Converge is offered in three standard powder coated finishes to help enhance your space.



# Technical specifications

- Series:**  
S920DIP, Converge Rectilinear  
Direct / Indirect Pendant  
  
S921DIP, Converge Curvilinear  
Direct / Indirect Pendant

**Optics:**  
Wavestream  
Up 40% /Down 60%

**Light Levels (Nominal per 4’ section):**  
Light Level 1: 2100 Lms  
Light Level 2: 3200 Lms  
Light Level 3: 4300 Lms  
Light Level 4: 5400 Lms  
Light Level 5: 6500 Lms

**Color Temperature:**  
3000K (80CRI min)  
3500K (80CRI min)  
4000K (80CRI min)

**Length:**  
4’ Individual  
8’ Individual  
Continuous Runs
- Voltage:**  
Universal 120-277 VAC  
120 VAC  
277 VAC  
347 VAC  
48 VDC (DLVP)

**Finish:**  
Powder Coat:  
White, Silver or Black

**Integral Emergency:**  
Integral Battery Pack  
Generator Transfer Device

**Options:**  
Chicago Plenum  
Tilemount LumaWatt Pro Sensor

**Additional information**  
**Warranty:** 5 year  
**UL/cUL:** Damp Location Listed  
**LM79/LM80:** Compliant  
**RoHS:** Compliant

\*Specifications and dimensions subject to change without notice. Please refer to product specification sheet for the most updated technical data.

[cooperlightingsolutions.com/converge](http://cooperlightingsolutions.com/converge)



### **Lighting Product Lines**

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

### **Controls Product Lines**

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

### **Connected Lighting Systems**

Distributed Low-Voltage Power  
HALO Home  
iLumin Plus  
Enlighted  
WaveLinx  
Trellix



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