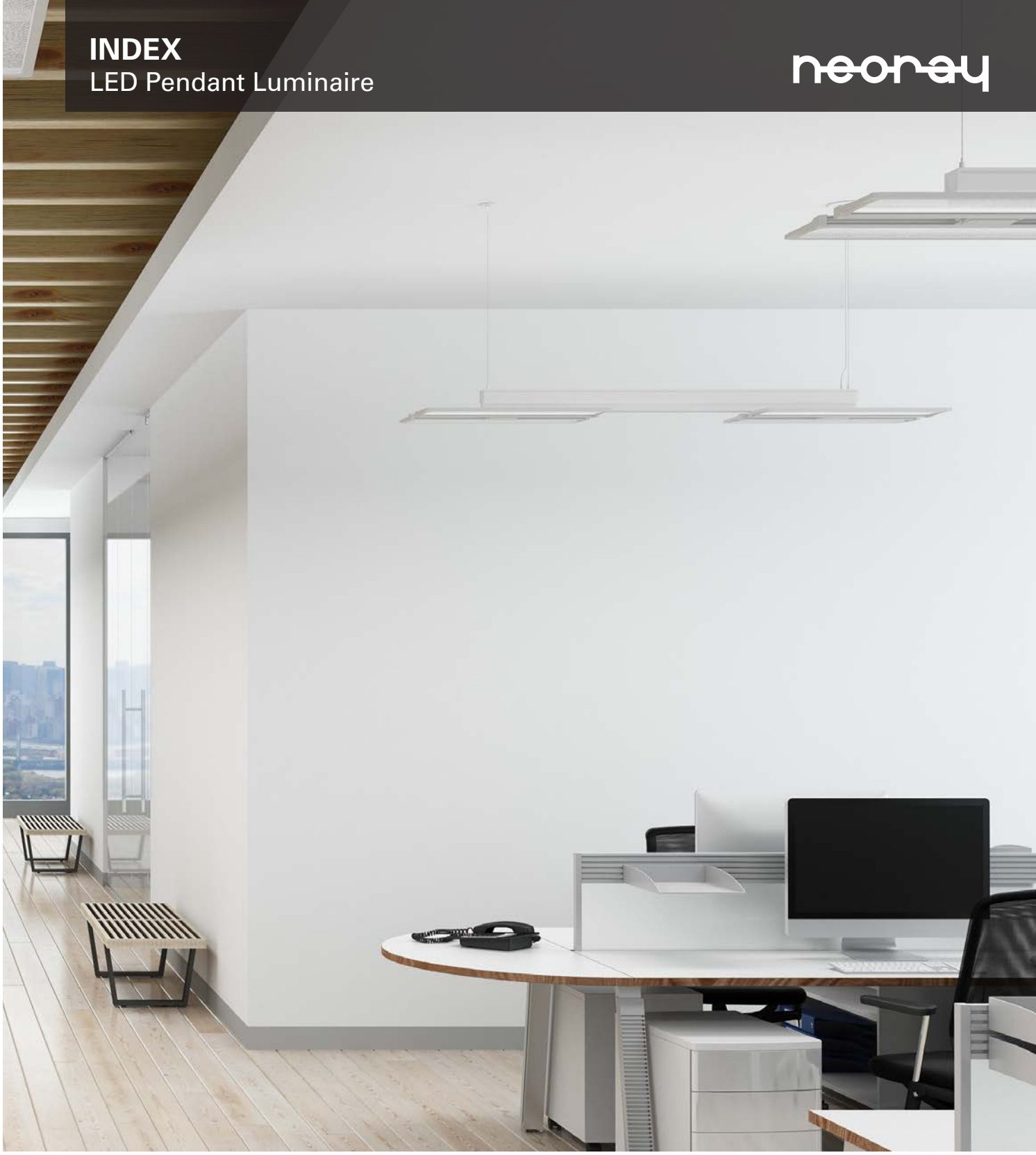
INDEX
LED Pendant Luminaire

neoray

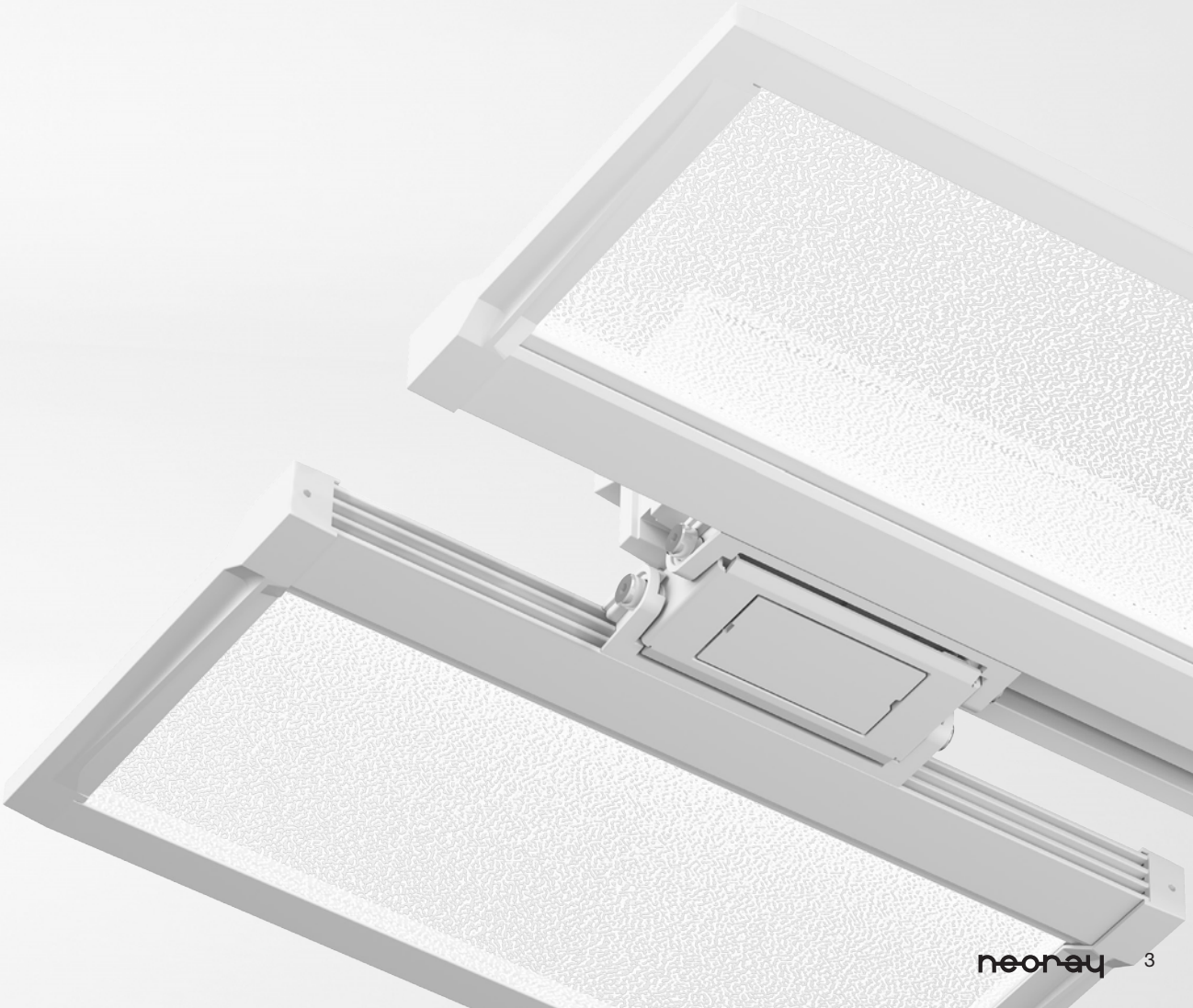


COOPER Lighting Solutions

INDEX

Finally, a luminaire as unique as its technology

The INDEX by Neo-Ray brings the power of WaveStream™ to limitless lighting applications with a suspended direct indirect LED luminaire marking the beginning of a new era now unconfined by linear fluorescent lamps. By utilizing standard or custom spacing, the optical panels can be placed exactly where they are most effective, dramatically reducing power consumption while simultaneously improving the overall lighting of the space. With performance as unique as its look, the Neo-Ray Index introduces a new standard in efficient, affordable, beautifully uniform illumination.



To construct the perfect Lighting system...

At the heart of the Neo-Ray Index system are the precision optical panels which allow for limitless design flexibility. Each panel incorporates die-cast and extruded aluminum components and a patented LED coupling process. Designed to maximize efficacy while precisely distributing lumens, panels can be ordered in standard or custom locations that are configured at the factory. The extruded channel houses all electrical components allowing for easy installation. With channels in 2', 4', 6', 8' and 12' lengths, individual and continuous runs can easily be laid out with panels on standard 4 and 8 foot centers or custom configured with unlimited spacing and wing options.

... start with the building blocks

INDEX

1 FOOT PANEL SET

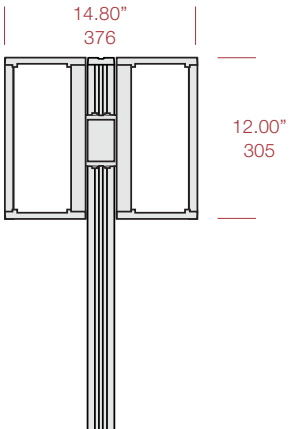
40% Uplight / 60% DownLight

Light Level 1

1568lms / 16 Watts / 98 LPW

Light Level 2

2145lms / 24 Watts / 89 LPW



2 FOOT PANEL SET

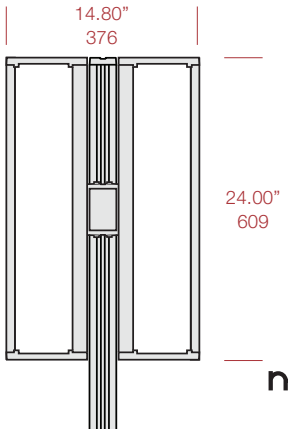
40% Uplight / 60% DownLight

Light Level 1

3136lms / 32 Watt / 98 LPW

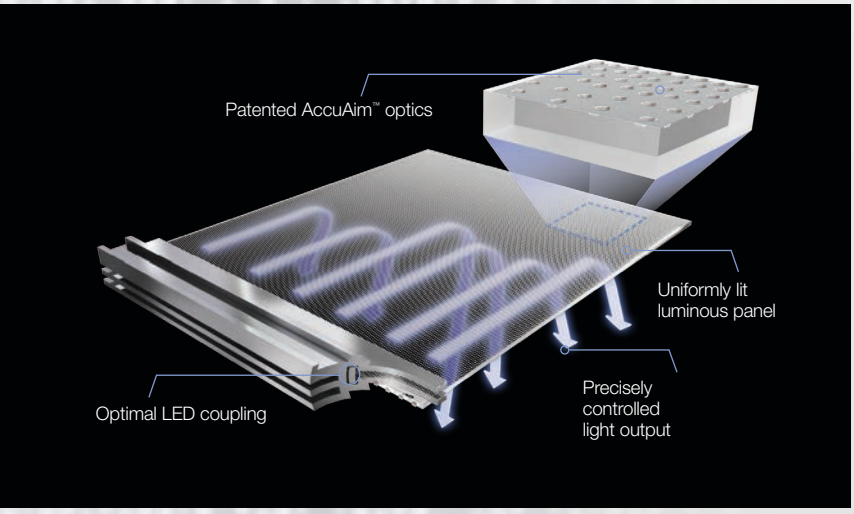
Light Level 2

4291lms / 47 Watts / 91 LPW



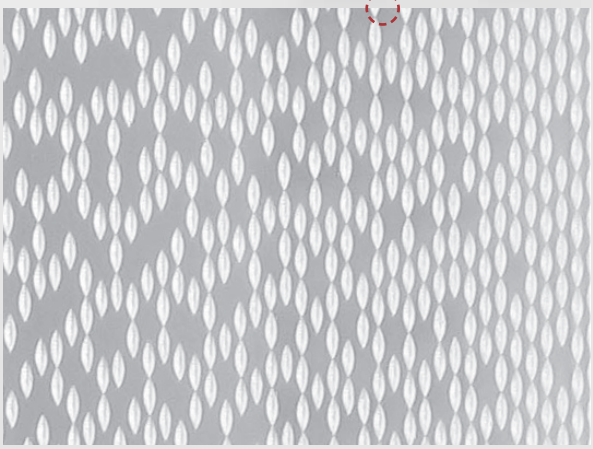
WaveStream™ LED

Taking Control of Light.



How the WaveStream™ System Works

WaveStream™ LED technology starts with an optical acrylic panel aligned with LEDs. AccuAim™ micro-optics are molded into optical grade acrylic to create a uniform low glare luminous appearance while shaping the most efficient light pathway to the work or room surface. Simply put, light can now be bent, dispersed and directed from virtually any fixture, in any application. A technological breakthrough in lighting, WaveStream™ offers superior optical control, beautifully delivered.



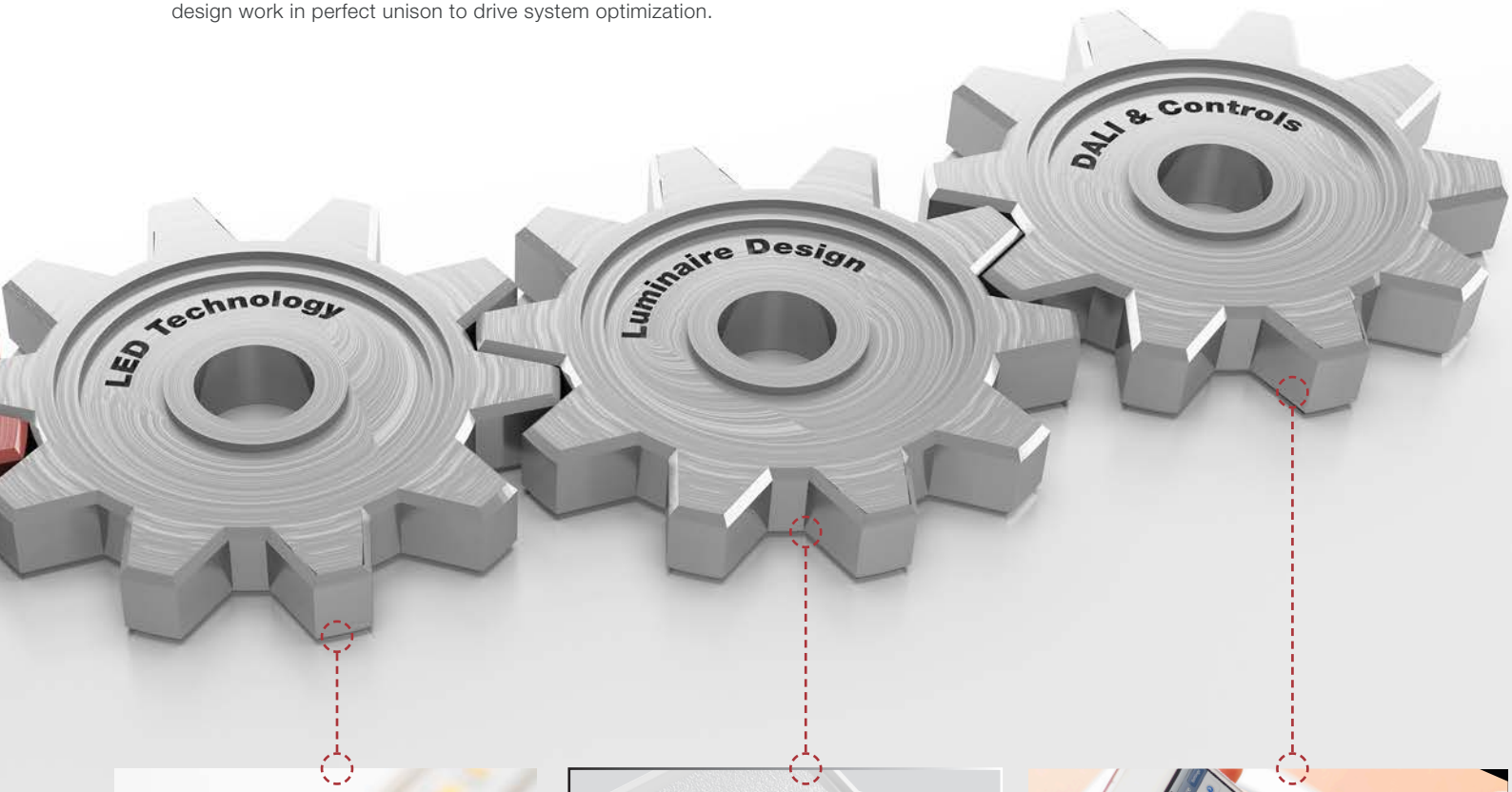
Micro Optical Design

AccuAim™ micro optics take lighting control to the next level. In the past, fixtures have required deep metal reflectors to achieve desired lighting results. With advanced manufacturing processes, miniature optical shapes have been precisely molded into a 3mm sheet of optical grade acrylic. The key benefits are drastically reduced fixture profiles and improved optical efficiency and optical control compared to lighting systems of yesterday.

WaveStream™ is powerful; however, more gears are required to realize maximum energy savings

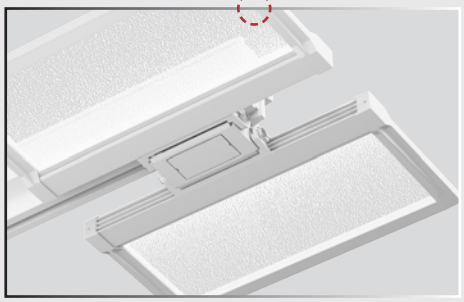
The technology gears of control intelligence, LED technology, and luminaire design work in perfect unison to drive system optimization.

INDEX



LED Technology

LED technology is expected to experience significant performance growth (more light per watt) until the end of this decade. At the same time, the cost of this technology is expected to decline at a similar year-over-year rate. LED is firmly positioned as the lighting technology of today and the future. By incorporating today's most advanced LED technology and integrated control solutions, WaveStream™ luminaires represent the most unique and advanced LED lighting systems available.



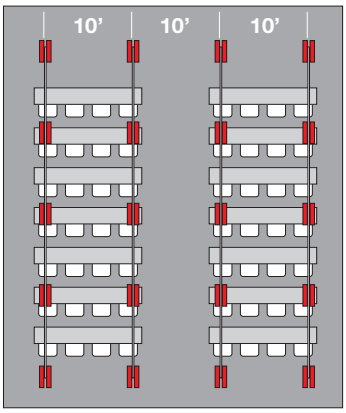
Luminaire Design

Successfully harnessing the power of WaveStream™ requires advanced luminaire design. The design teams at Eaton's Cooper Lighting business have been constructed to align with the technologies of today. Expert teams of mechanical, optical, industrial, and thermal engineers have actively collaborated to develop never before seen luminaire designs with increased luminaire efficiency and decreased wattage consumption. In addition to design, it is Eaton's philosophy to provide the most reliable and extensively tested luminaires in the industry.

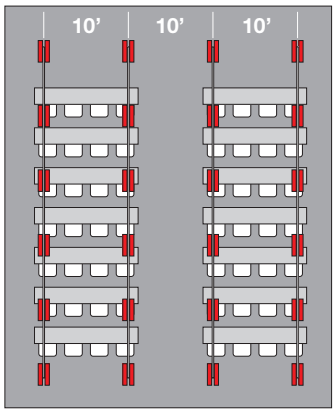
DALI & Controls

True system efficiency, and the power of WaveStream™, is fully realized when combined with DALI technology provided by Fifthlight, a division of Eaton and Cooper Controls. The benefit of DALI (Digitally Addressable Lighting Interface) drivers is the ability to easily control luminaires individually or in groups. Integrated control intelligence allows each luminaire to be precisely tuned to its specific environment maximizing energy efficiency and return on investment. Additionally, minimal control wires significantly decrease system installation complexity while being infinitely configurable without the need for additional wiring.

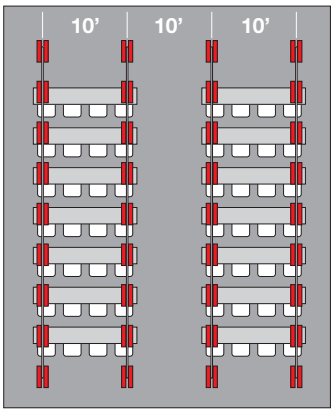
Simply add or subtract optical panels to increase light level or decrease power consumption.



30 f/c



50 f/c

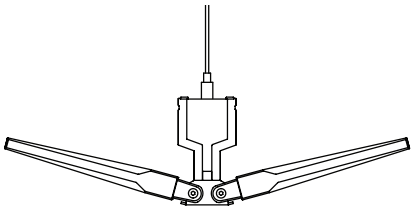


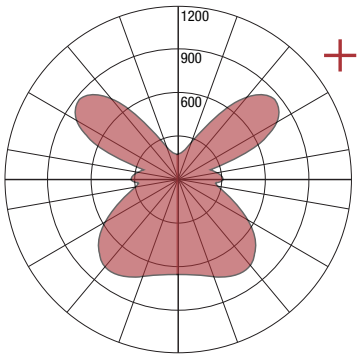
80 f/c

Lighting layouts made easy

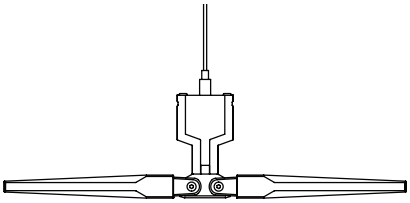
Reduction of lighting power density, or LPD, while maintaining comfortable, uniform illuminance, used to be a frustrating task. Designers and engineers had to inefficiently add or subtract lamps, play confusing ballast factor games and ultimately sacrifice the quality of light to reduce the watts per square foot of the installation. The Neo-Ray Index, with its patented precision optical panels allow the luminaire to be tuned precisely to the application and space, giving unrivaled LPD control while visually enhancing any application.

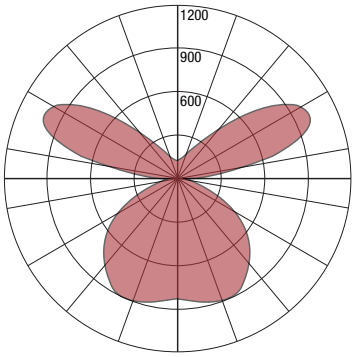
Match your distribution with your lighting application



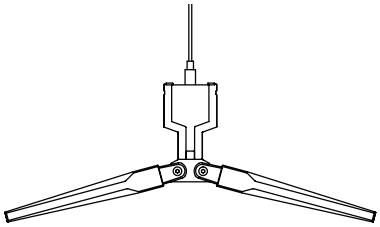


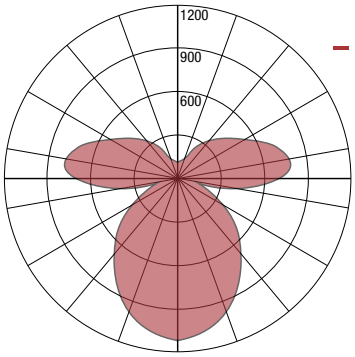
+15° With the optical panels set at +15 degrees, the Neo-Ray Index transforms into a precision stack or aisle lighter. By moving the panels up, retail shelves, library stacks and grocery store aisles are uniformly illuminated providing beautiful contrast between the product and the walkway.



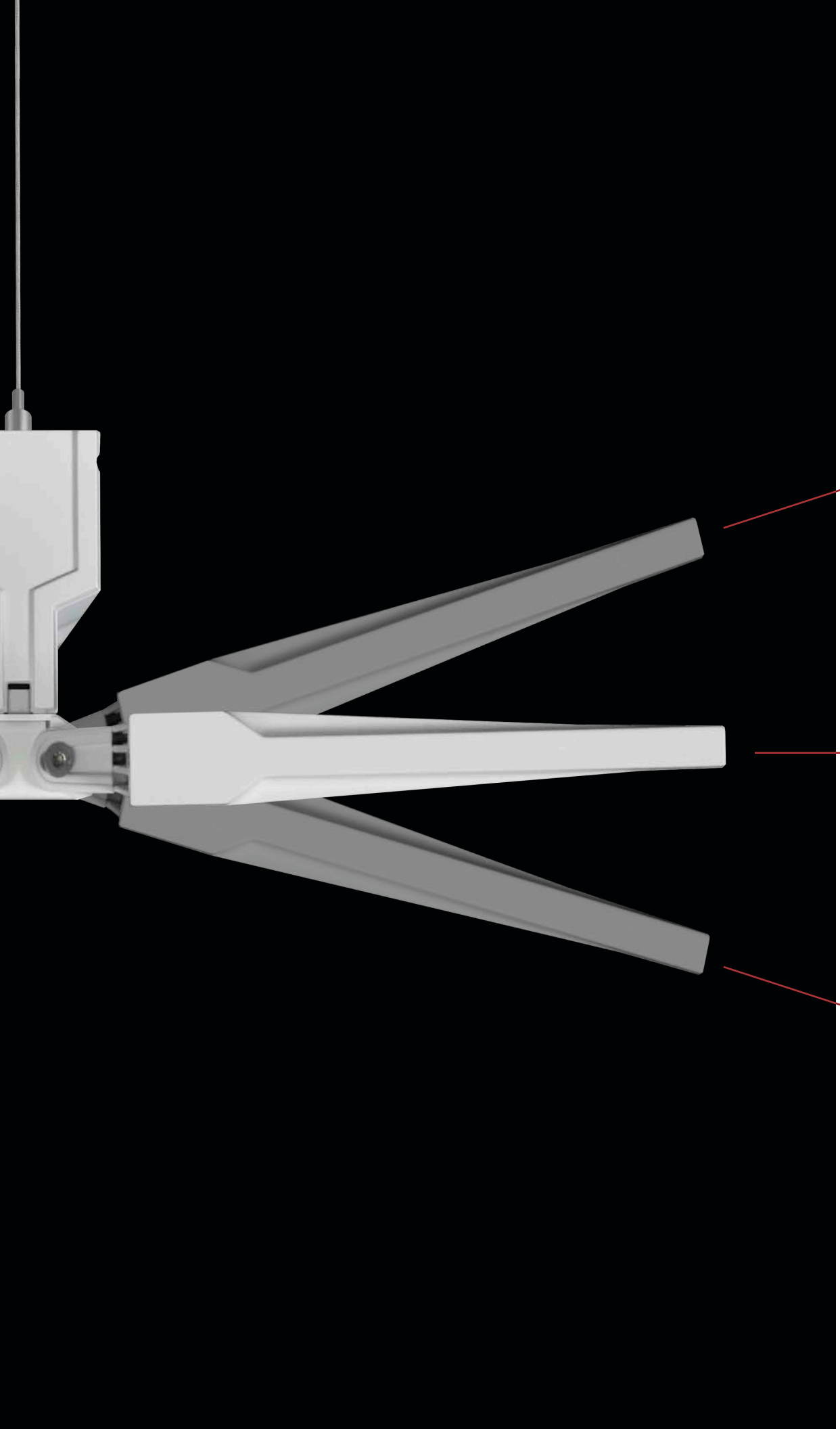


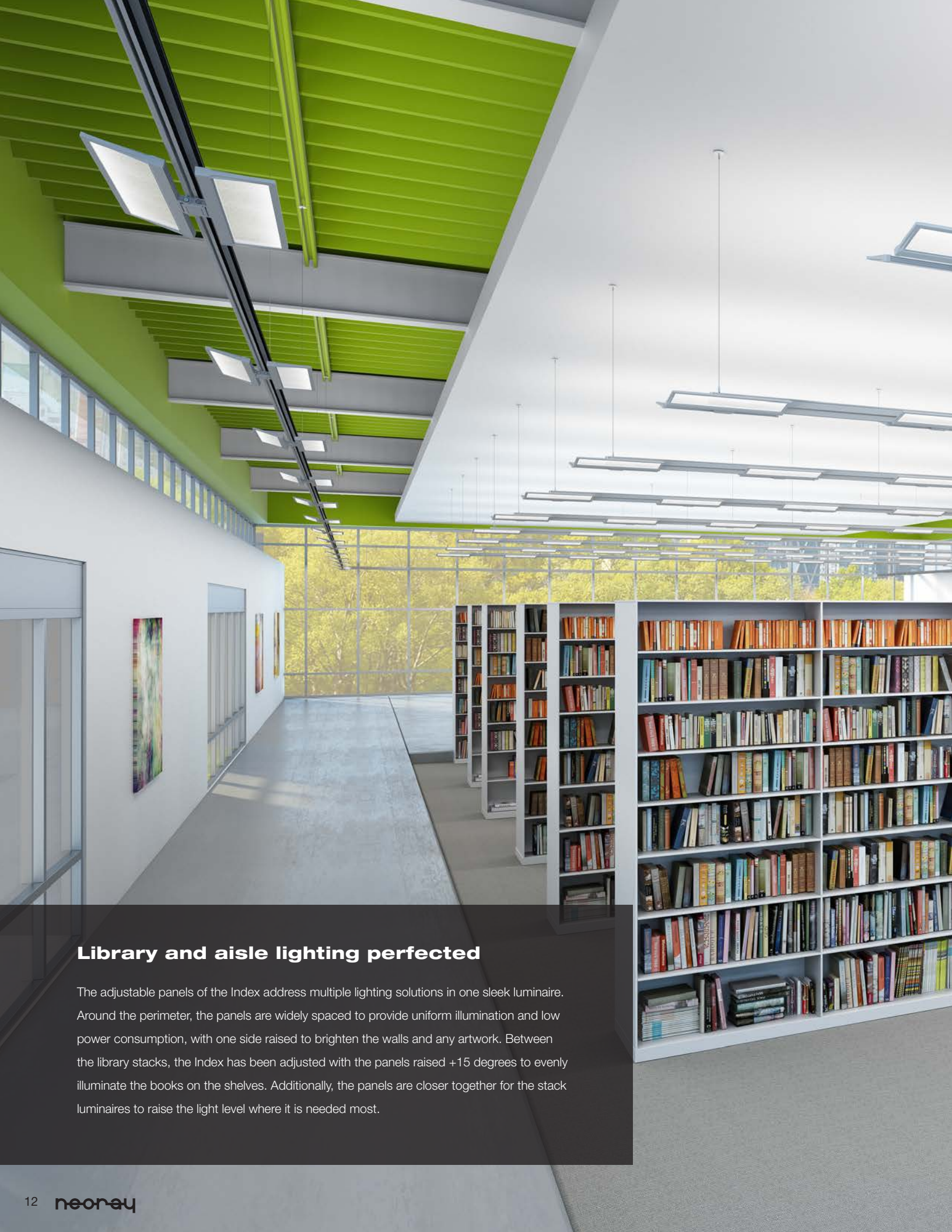
0° In the 0 degree position, the Neo-Ray index provides a wide angle distribution maximizing row spacing while maintaining unmatched ceiling and task uniformity.





-15° In the -15 degree position, the panels on the Neo-Ray Index provide direct task illumination. The resulting distribution is perfect for additional task illumination or conference rooms with A/V settings.


+15°
0°
-15°



Library and aisle lighting perfected

The adjustable panels of the Index address multiple lighting solutions in one sleek luminaire. Around the perimeter, the panels are widely spaced to provide uniform illumination and low power consumption, with one side raised to brighten the walls and any artwork. Between the library stacks, the Index has been adjusted with the panels raised +15 degrees to evenly illuminate the books on the shelves. Additionally, the panels are closer together for the stack luminaires to raise the light level where it is needed most.

INDEX

The Index & DALI: Flexibility Redefined

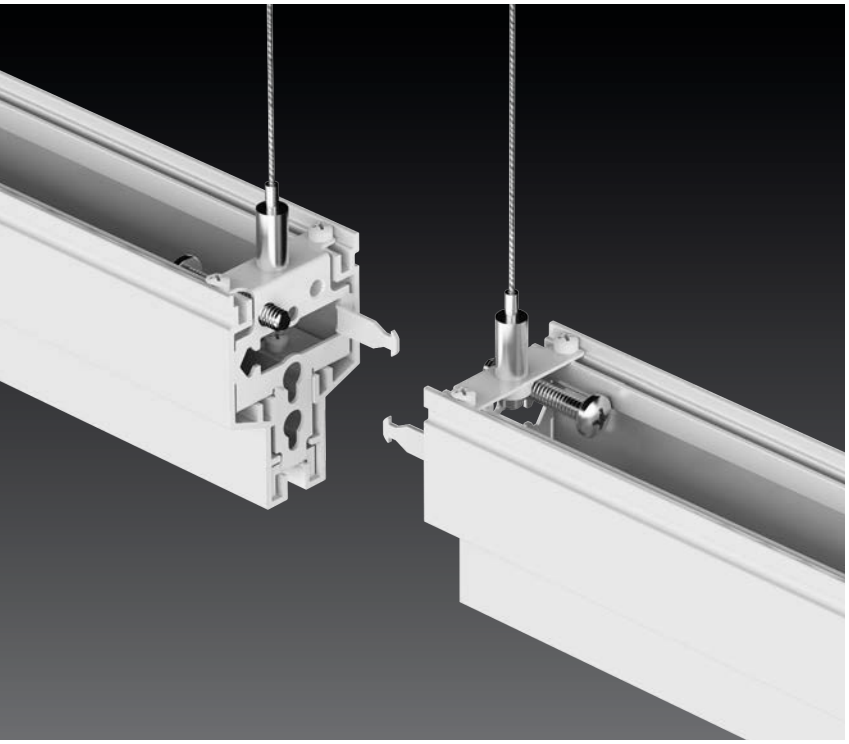
fifthlight technology

Scene 1 General

By integrating FifthLight DALI controls, the true power of the Neo-Ray Index system is unleashed. When specified, a Digitally Addressable Lighting Interface allows each panel set to be controlled separately or as a group without complicated and expensive wiring.

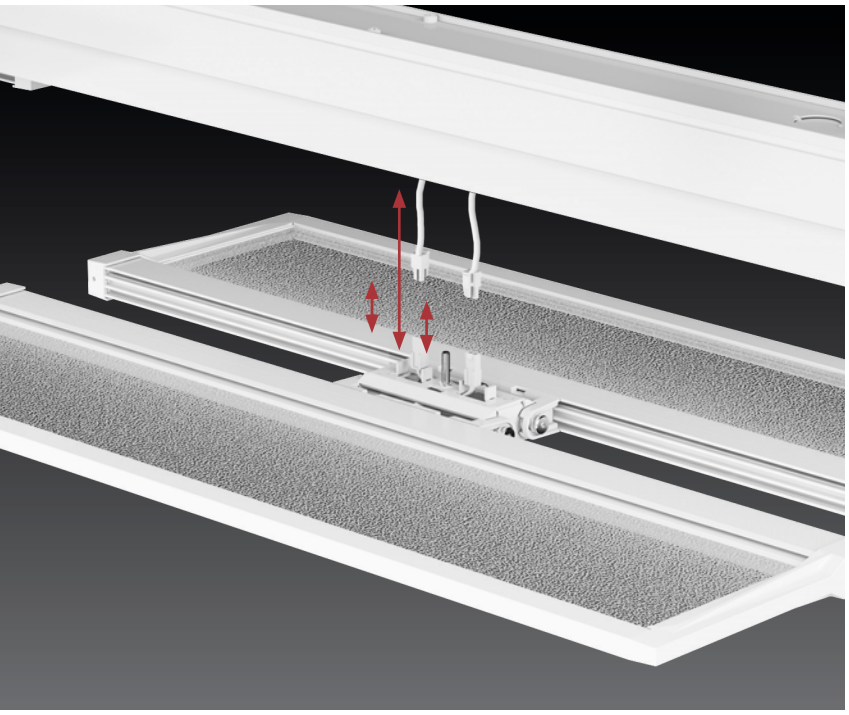
Scene 2 A/V

From your handheld mobile phone, VOIP phone or laptop, the optical panels on the Neo-Ray Index can be controlled as a group or switched to create completely individual lighting schemes on the same luminaire. When the panels are not in use, they virtually disappear.



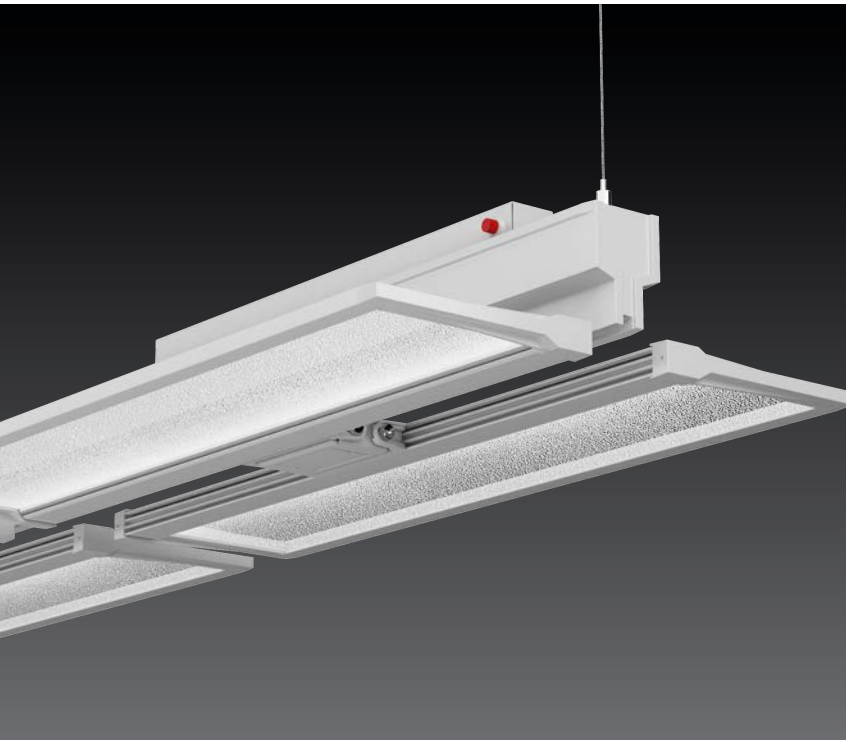
Precision joining made easy

Channels easily join together using a patented quick tab alignment system allowing for hands free wiring. Continuous runs are made up using the longest possible channel lengths to reduce mounting points and installation time.



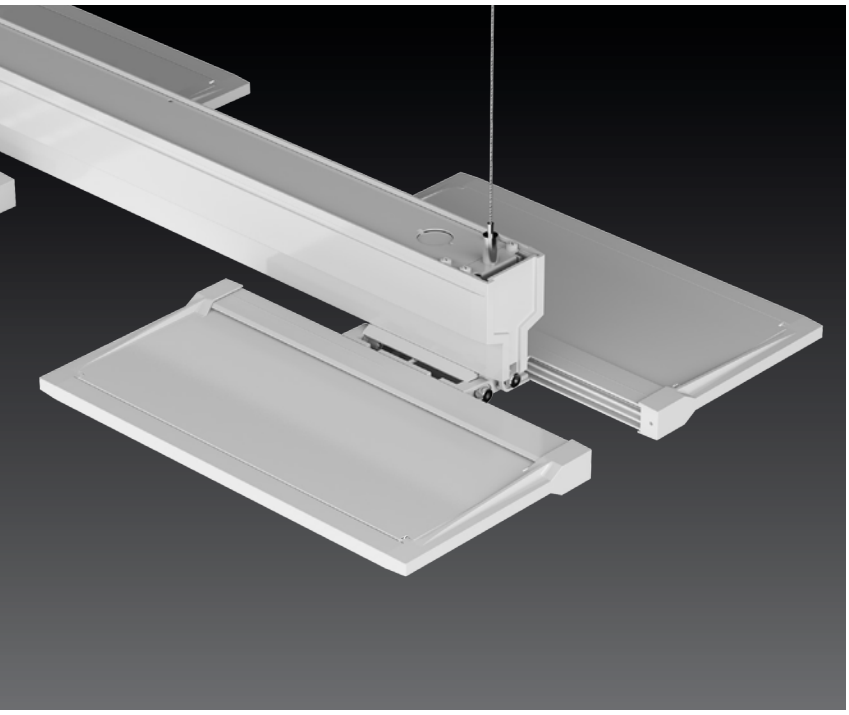
Simple Panel Installation

The precision optical panels are shipped separately to facilitate easy installation. Once the channel is securely mounted, two low voltage quick connections and a single screw fasten the optical panels in place.



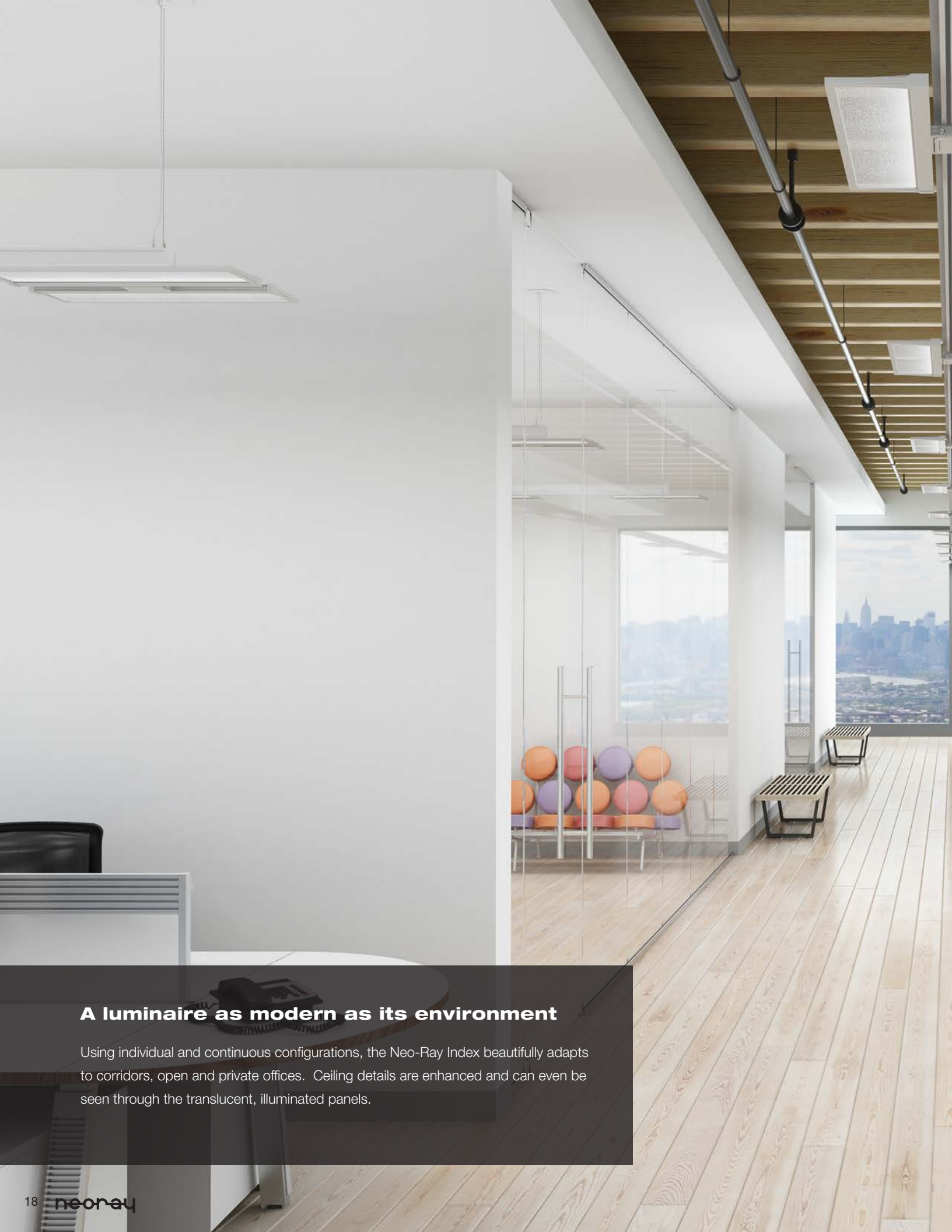
Integral Emergency Options

Optional emergency battery packs and sensor controls are seamlessly integrated on the channel wiring cover.



Downlight Only Kits

Easily convert the Neo-Ray Index to a direct only luminaire using optional high reflectance shields that snap into place on each optical panel.

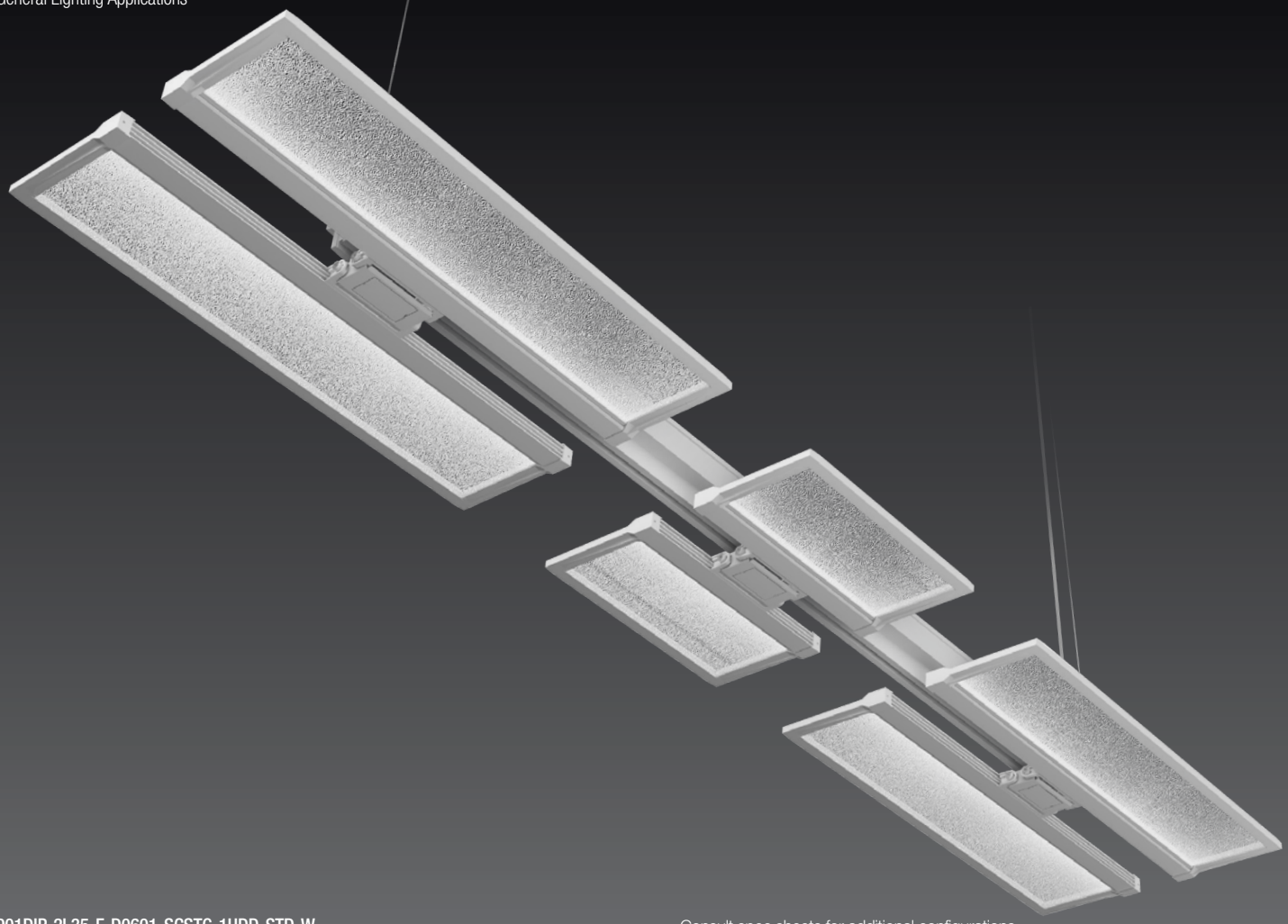


A luminaire as modern as its environment

Using individual and continuous configurations, the Neo-Ray Index beautifully adapts to corridors, open and private offices. Ceiling details are enhanced and can even be seen through the translucent, illuminated panels.

INDEX

Individual Suspended Luminaires
General Lighting Applications



901DIP-2L35-F-D0601-SCSTG-1UDD-STD-W

Consult spec sheets for additional configurations

Each individual channel length is available with multiple standard configurations. Simply choose the configuration that that matches the application, or design your own.

2ft Individual Fixtures

D02-01

D02-02

4ft Individual Fixtures

D04-01

D04-02

D04-03

6ft Individual Fixtures

D06-01

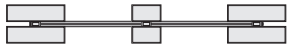
D06-02

D06-03

8ft Individual Fixtures

D08-01

D08-02



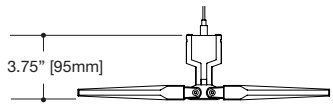
D08-03

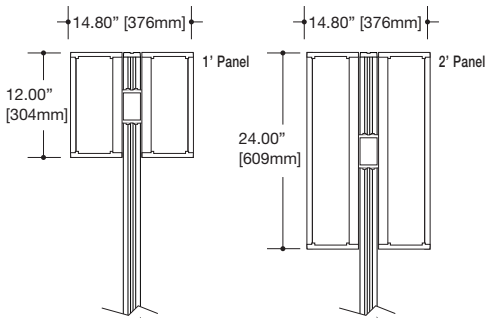
12ft Individual Fixtures

D12-01

D12-02

D12-03





SPECIFICATION FEATURES

A Construction
Extruded 6063 aluminum channel housing. Optical panels constructed from 6063 extruded aluminum and die-cast endcaps.

B Optics
Patented, 3mm thick, 91% transmissive optical grade acrylic with injection molded micro lens allows for optimal distribution and performance.

C 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 certi! ed to UL and CUL standards.

D Finish
Fixture housings are high reflectance white or silver using electrostatically applied polyester powder coat paint.

E Mounting
Pendant with adjustable single cable and circular canopy. Standard length of cable provided is 48”

SCJB = Single Cable Junction Box
SCETG= SC on 15/16” T-grid
SCSTG = SC on 9/16” Slot-T Grid
SCFTG = SC on 9/16” Fine T-Grid
SCSR= SC on Structure

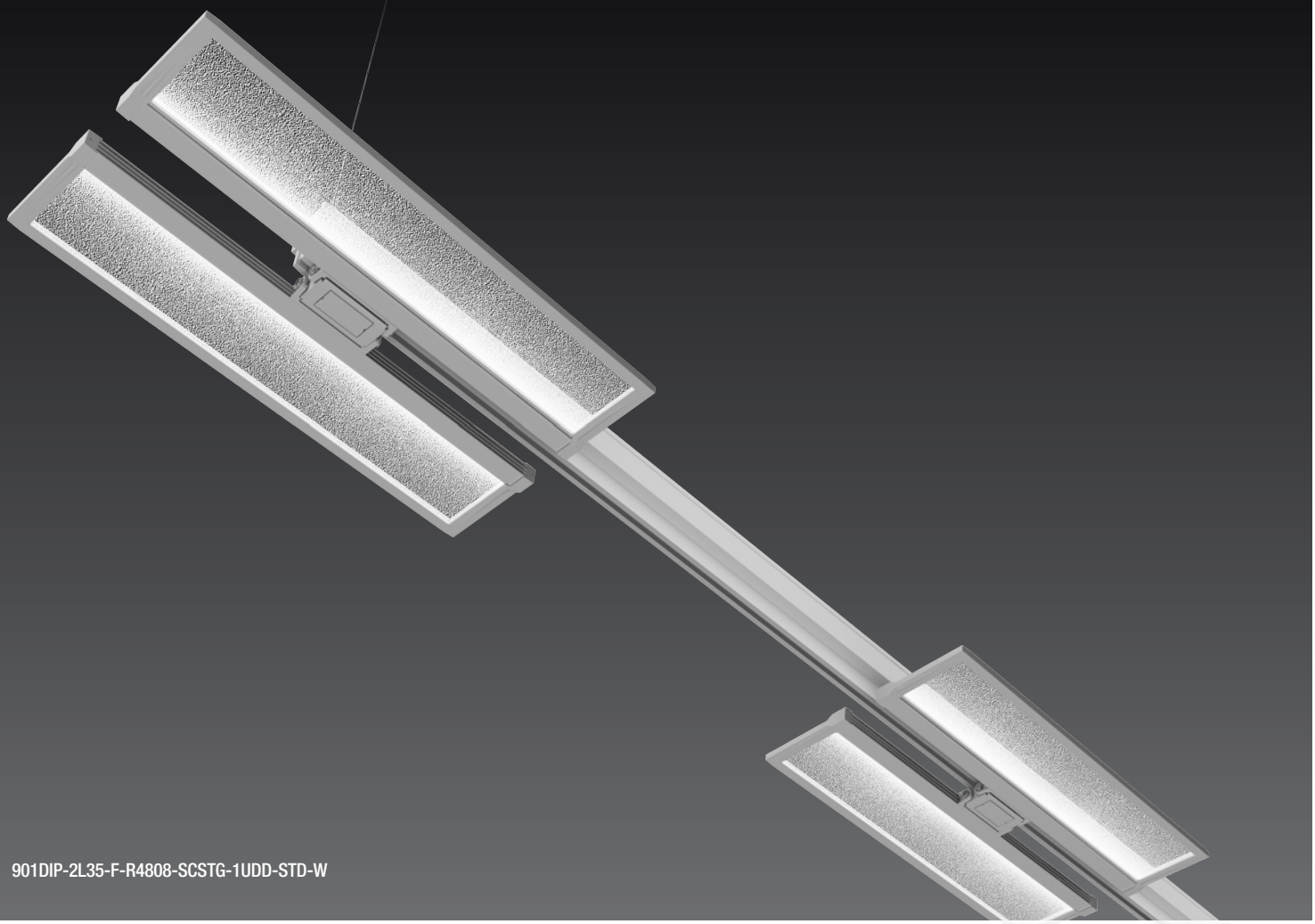
Notes

1. Not all options available. Please consult your local Cooper Lighting representative for availability.
2. Specification and Dimensions subject to change without notice

INDIVIDUAL ORDERING

SERIES			
901	Index		
LIGHT DISTRIBUTION			
DI	Direct / Indirect		
MOUNTING			
P	Pendant		
LIGHT LEVEL (USING 2FT PANEL PAIR / 3500K AS REF)			
1	LED Light level 1 - 3136 Lumens / 32 Watts per foot		
2	LED Light level 2 - 4291 Lumens / 47 Watts per foot		
LED COLOR TEMPERATURE			
L30	LED 3000K (subtract 10% from 3500K light levels)		
L35	LED 3500K		
L40	LED 4000K (add 10% to 3500K light levels)		
WING AIM			
F	Flat		
U	+15º Up		
D	-15º Down		
RUN LENGTH			
D02	2’ Individual	**D08**	8’ Individual
D04	4’ Individual	**D012**	12’ Individual
D06	6’ Individual		
CONFIGURATION TYPE			
01	See page 20	**04**	See page 20
02	See page 20	**05**	See page 20
03	See page 20		
MOUNTING TYPE			
SCJB	Single Cable J-Box	**SCFTG**	SC on FTG
SCETG	SC on ETG	**SCSR**	SC on Structure
SCSTG	SC on STG		
CIRCUITS			
1	Single Circuit		
2	Dual Circuit (consult factory for circuit location)		
VOLTAGE			
1	120V		
2	277V		
3	347V (remote transformer only)		
U	Universal (120V - 277V)		
DRIVER			
DD	Dimming Driver		
DRIVER OPTIONS			
STD	0-10V Dimming Driver		
5LT	FifthLight DALI Driver		
LUT	Lutron® DALI Driver		
WIRING OPTIONS			
EM	Battery Pack	**OS**	Occupancy Sensor
EC	Emergency Circuit		
DS	Daylight Sensor		
COLOR OPTIONS			
W	Matte White		
S	Silver		
OPTIONS			
PXX	Perf Perc. UP		

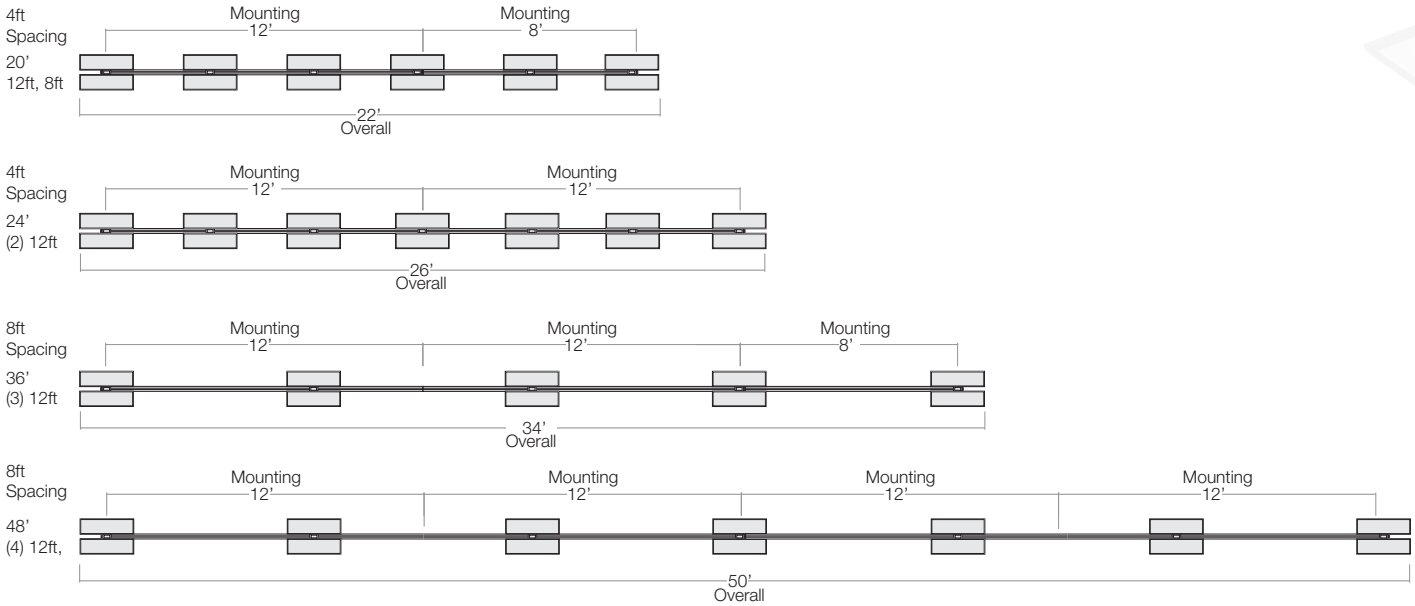
Continuous Suspended Luminaires
General Lighting Applications

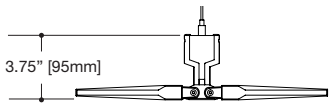


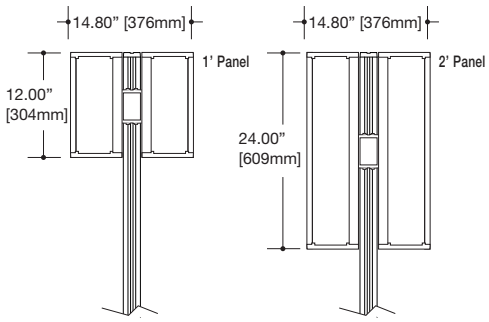
901DIP-2L35-F-R4808-SCSTG-1UDD-STD-W

Continuous luminaires are available for run lengths over 12 feet. Two standard panel spacing's are available.

8 ft on center (30 f/c*) and 4ft on center (50 f/c*) spacing. (*f/c levels approximate)







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SCSTG = SC on 9/16” Slot-T Grid
SCFTG = SC on 9/16” Fine T-Grid
SCSR= SC on Sheet Rock

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CONTINUOUS ORDERING

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L35	LED 3500K		
L40	LED 4000K (add 10% to 3500K light levels)		
WING AIM			
F	Flat		
U	+15º Up		
D	-15º Down		
RUN LENGTH			
RXX	Specify Run Length		
CONFIGURATION TYPE			
04	4’ Panel Spacing		
08	8’ Panel Spacing		
MOUNTING TYPE			
SCJB	Single Cable J-Box	**SCFTG**	SC on FTG
SCETG	SC on ETG	**SCSR**	SC on Structure
SCSTG	SC on STG		
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2	Dual Circuit (consult factory for circuit location)		
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3	347V (remote transformer only)		
U	Universal (120V - 277V)		
DRIVER			
DD	Dimming Driver		
DRIVER OPTIONS			
STD	0-10V Dimming Driver		
5LT	FifthLight DALI Driver		
LUT	Lutron® DALI Driver		
WIRING OPTIONS			
EM	Battery Pack	**OS**	Occupancy Sensor
EC	Emergency Circuit		
DS	Daylight Sensor		
COLOR OPTIONS			
W	Matte White		
S	Silver		
OPTIONS			
PXX	Perf Perc. UP		

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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