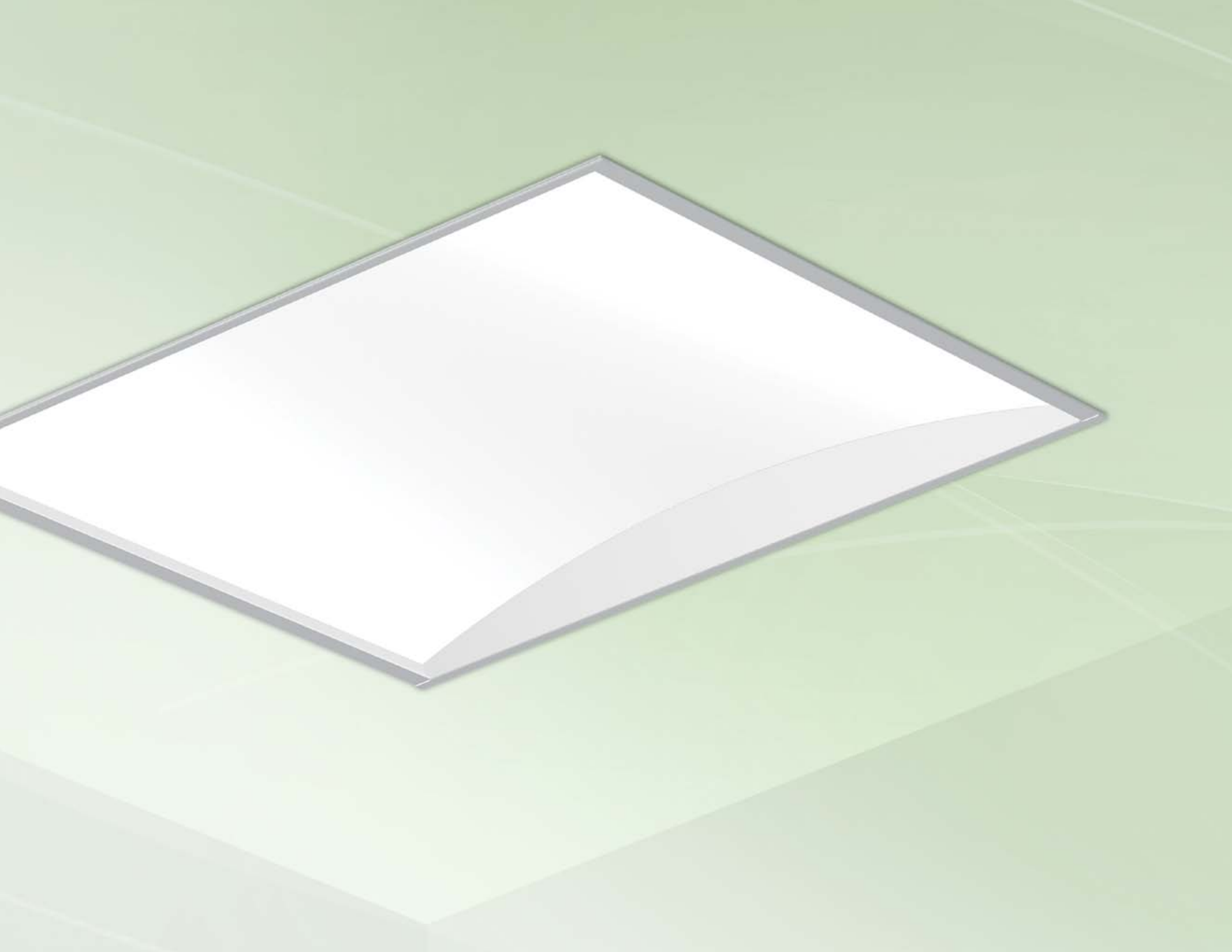




# Simply Inspired

ArcForm...a new dimension in LED lighting performance.

**PHILIPS**  
 **LEDALITE**



# ArcForm

Soft. Subtle. Sophisticated.





## Good Looking

Inspired by the classic curve, this luminous architectural form is a natural fit for any space.

## Hard Working

An innovative product design delivering a 3D batwing distribution to provide exceptional lighting performance and energy savings.

## Committed

An uncompromising lighting solution utilizing advanced LED luminaire engineering, covered by a 5 year warranty and backed by world class support from Philips Ledalite.

# 3D Symmetrical Batwing Distribution

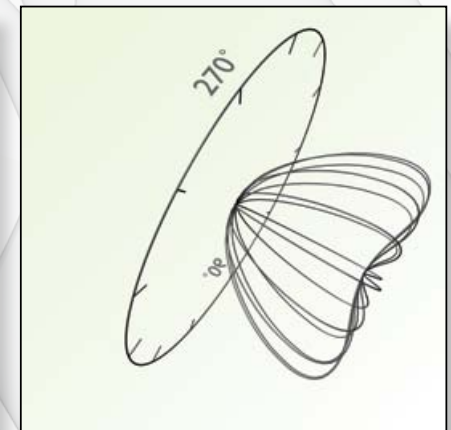
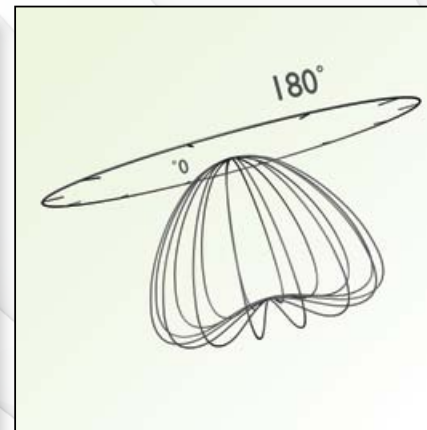
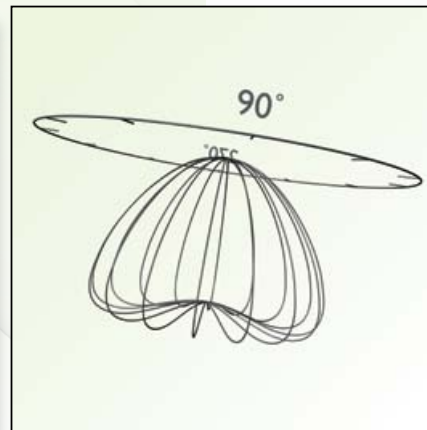
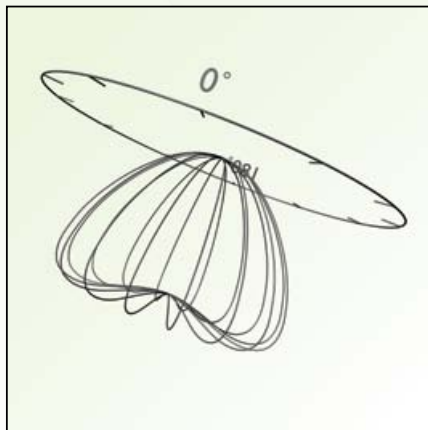
ArcForm is a highly efficacious, fully luminous fixture with brilliant color rendering and an innovative 3D symmetrical batwing lighting distribution. It delivers pure, white light—free of glare, color shifts, hotspots or striations, with unparalleled uniformity, maximizing visual comfort and energy savings.

## A New Dimension In Lighting Performance

Advanced LED optical design and patented MesoOptics technology combine to deliver wider fixture spacing while ensuring optimal light levels, perfect uniformity, and maximum energy savings.



Scan to view ArcForm video  
or visit [arcform3d.com](http://arcform3d.com)



# HOW IT WORKS

Light emitted from highly efficacious LED arrays is reflected by 98% efficient upper reflectors and microcellular PET perimeter reflectors. The light then mixes inside the optical cavity, passes through MesoOptics film and emerges from the ArcForm concave lens in a precisely controlled 3D symmetrical batwing distribution.

## UPPER REFLECTOR

98% efficient Miro Silver reflects light out of the fixture.

## LED DRIVER

Multiple lumen packages, 0-10V dimming, battery pack options, and accessible from below for easy maintenance.

## PERIMETER REFLECTORS

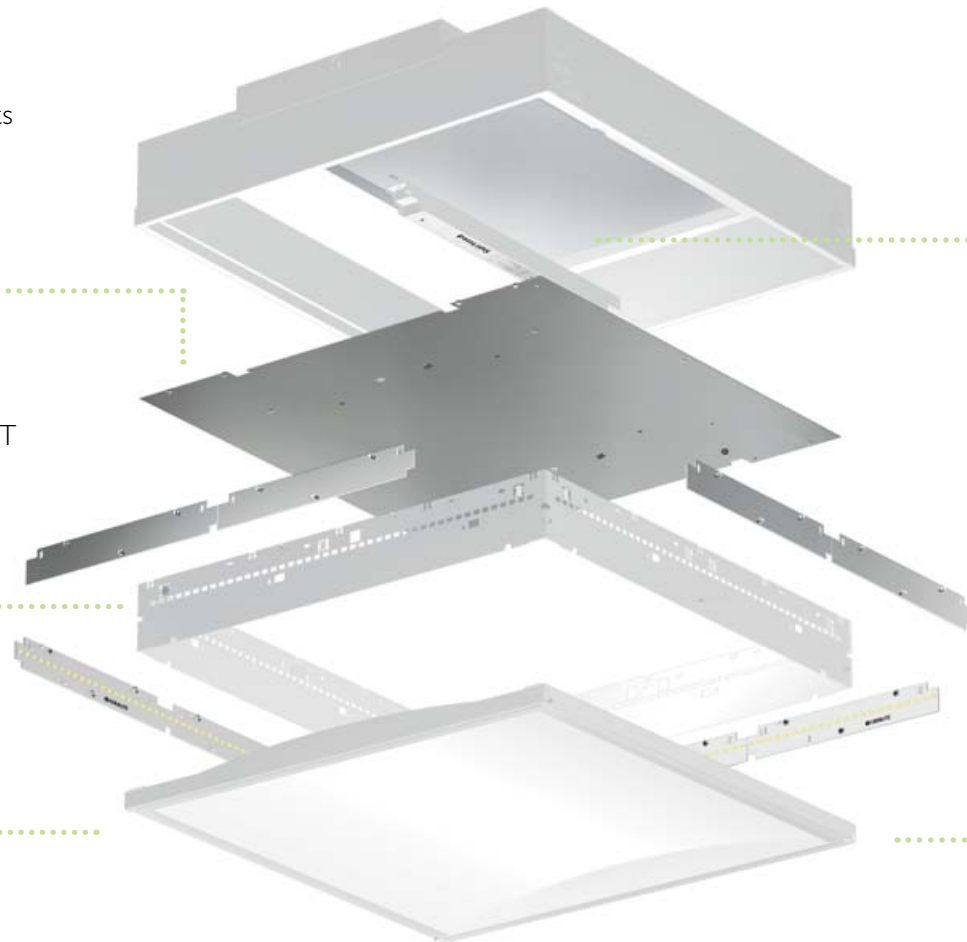
Highly efficient microcellular PET material mixes light within the optical cavity.

## LED ARRAYS

Highly efficacious Philips platform LED arrays are available in 3 color temperatures.

## ARCFORM DOOR

Elegant architectural aesthetic provides easy access to the inside of the fixture.



**mesoOptics**

Controls light to create a precise 3D batwing distribution.







# Driven to succeed

ArcForm ensures optimal lighting conditions for maximum visual comfort, while dramatically reducing energy consumption. A win-win for all.

## ARCFORM 2'x2' OPEN OFFICE

<b>Light Source</b>	LED 4400 lm	<b>Light Level</b>	34 fc
<b>Room Size</b>	76'Lx75'Wx9'H	<b>Energy Density</b>	0.51 W/ft <sup>2</sup>
<b>Spacing</b>	10'x10' o.c.	<b>System Efficacy</b>	87.3 lm/W

# Ready to deliver results

Whether it's a planning session or a multimedia presentation, with 0-10V dimming capability and compatibility with standard lighting controls, ArcForm performs to meet the task.

## ARCFORM 1'x4' BOARDROOM

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<b>Light Source</b>	LED 4400 lm	<b>Light Level</b>	46 fc
<b>Room Size</b>	40'Lx 18'Wx 9'H	<b>Energy Density</b>	0.77 W/ft <sup>2</sup>
<b>Spacing</b>	8'x 8' o.c.	<b>System Efficacy</b>	89.6 lm/W







# For meaningful conversations

Perfect for private offices, ArcForm brightens up small spaces with fewer luminaires and excellent light distribution.

## ARCFORM 2'x2' PRIVATE OFFICE

<b>Light Source</b>	LED 3600 lm	<b>Light Level</b>	55 fc
<b>Room Size</b>	11'Lx9'Wx9'H	<b>Energy Density</b>	0.87 W/ft <sup>2</sup>
<b>Spacing</b>	4' o.c.	<b>System Efficacy</b>	91.2 lm/W

# A quick learner

ArcForm provides just the right illumination for learning environments of all types including classrooms, science labs, and libraries.

## ARCFORM 1'x4' CLASSROOM

<b>Light Source</b>	LED 4400 lm	<b>Light Level</b>	39 fc
<b>Room Size</b>	24'Lx24'Wx10'H	<b>Energy Density</b>	0.57 W/ft <sup>2</sup>
<b>Spacing</b>	7'x12' o.c.	<b>System Efficacy</b>	89.6 lm/W









## Cares about comfort

A soft, luminous form and visually comfortable brightness contribute to health and wellbeing in patient care environments.

### ARCFORM 2'x2' HOSPITAL

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<b>Light Source</b>	LED 3600 lm	<b>Light Level</b>	39 fc
<b>Room Size</b>	62'Lx30'Wx8.5'H	<b>Energy Density</b>	0.49 W/ft <sup>2</sup>
<b>Spacing</b>	8'x11' o.c.	<b>System Efficacy</b>	91.2 lm/W

# Looking for a great deal

From department stores to specialty shops, ArcForm provides brilliant color rendering and creates bright, inviting spaces.

## ARCFORM 2'x2' RETAIL STORE

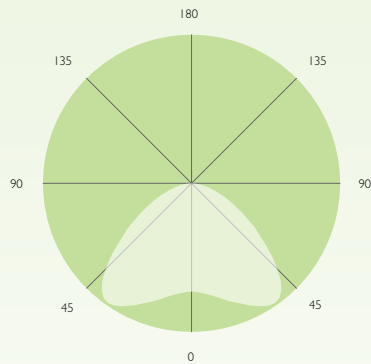
<b>Light Source</b>	LED 4400 lm	<b>Light Level</b>	58 fc
<b>Room Size</b>	46'Lx34'Wx12'H	<b>Energy Density</b>	0.68 W/ft <sup>2</sup>
<b>Spacing</b>	6'x10' o.c.	<b>System Efficacy</b>	87.3 lm/W





# Exceptional Control & Efficiency

MesoOptics technology provides the best possible combination of control and luminance.

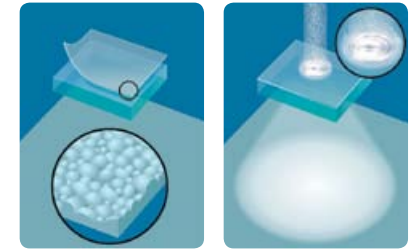


Higher transmission efficiencies than traditional optical and control methods mean lower energy consumption. Small amounts of controlled brightness are introduced to the vertical surfaces, creating a brighter and more visually comfortable environment without unwanted glare.



## PURIFY

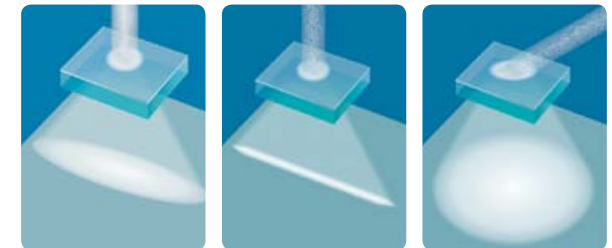
MesoOptics material purifies and controls the LED light passing through. It homogenizes color, and removes striations and hot spots, creating smooth gradients of pure, white light free from color shifts.



Optical Nanotechnology Homogenous Distribution

## CONTROL

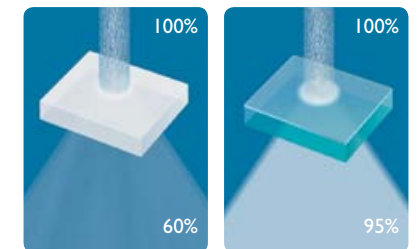
MesoOptics disperses light uniformly and creates precisely controlled beam patterns to redirect light into a 3D batwing distribution.



Dispersed Elliptical Constrained Linear Redirected Circular

## SUSTAIN

MesoOptics' highly efficient material allows up to 95% of the light to pass through, resulting in a highly efficacious lighting system that is environmentally sound and visually healthy.



Traditional Diffuser MesoOptics

# Design Intelligence

The LEDLOGIQ integrated design approach ensures Philips Ledalite LED luminaires deliver maximum performance today and throughout their lifetime.

## A PARTNER YOU CAN TRUST...

Today's rapid state of technology transformation demands an innovation partner you can trust. Philips Ledalite is a partner of the U.S. Department of Energy's Lighting Facts Program. As a part of this program, ArcForm configurations are independently tested to industry standards to validate their performance. The Lighting Facts label provides key product performance data to ensure LED products perform as expected.



### LONGEVITY

Futureproof Philips Platform | Thermal Management



### OPTICS

Optimized for LED | High Efficacy | Performance Distributions



### GUARANTEE

5 Year Total System Warranty | Philips Ledalite Support | Easy Maintenance



### INTEGRATION

0-10V Dimming | Response Daylight Harvesting | Airwave Wireless Controls



### QUALITY

U.S. DOE Lighting Facts Partner | UL and CSA | IES LM-79 & LM-80 Tested

## Always Moving Forward

As a leader in research, design and development, Philips Ledalite is continually advancing our LED solutions to ensure the best performance. Visit [ledalite.com/arcform](http://ledalite.com/arcform) for the most up-to-date LED application data.

# Wireless Controls

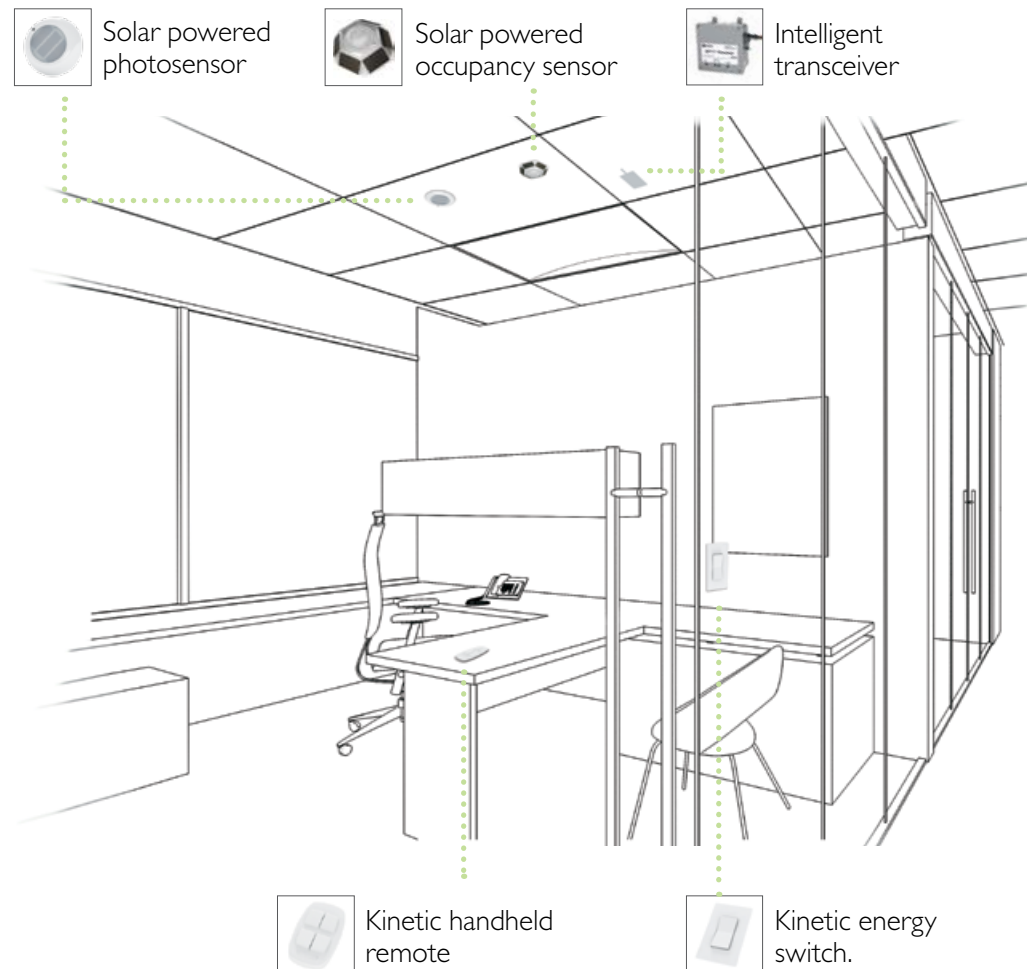
Airwave wireless controls represent a quantum leap forward in flexibility and sustainability.

Using organic sources of renewable kinetic and solar energy, Airwave delivers wireless individual personal control, daylight harvesting, occupancy sensing, and full range dimming for spaces where the ability to control energy and lighting are essential. The simple flick of a batteryless, wireless switch creates enough kinetic energy for simple ON/OFF control or dimming. Solar powered Airwave sensors monitor ambient daylight levels or occupancy and wirelessly signal luminaires to adjust output and save energy.

[ledalite.com/airwave](http://ledalite.com/airwave)



Wireless. Batteryless. Limitless.



# Daylight Harvesting

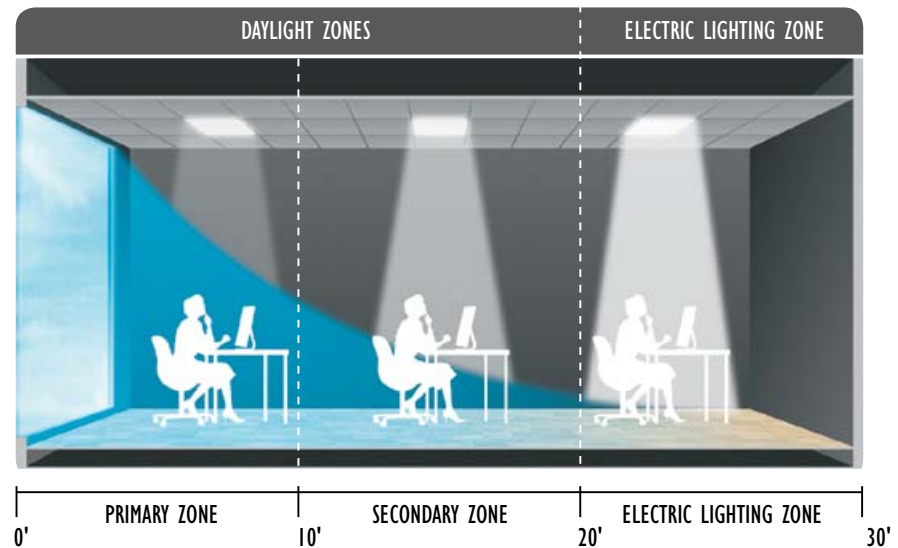
Response daylight harvesting sensors can provide 30-35% energy savings in window adjacent locations—helping to reduce operating expenses and comply with new energy codes.

[ledalite.com/response](http://ledalite.com/response)



## NO WIRING. NO COMMISSIONING.

Response Daylight sensors are factory pre-calibrated and ready to use right out of the box. Just plug in the fixture—no power packs, standalone sensors or low-voltage wiring schemes required. The sensors adjust light output gradually with minimal distraction for occupants. A built-in delay prevents disruptions from passing clouds and shadows.



In this example, two control zones have been created where there is ample daylight contribution, and one uncontrolled zone where daylight is minimal. As daylight contribution increases, sensors automatically and gradually reduce electric light output to save energy.

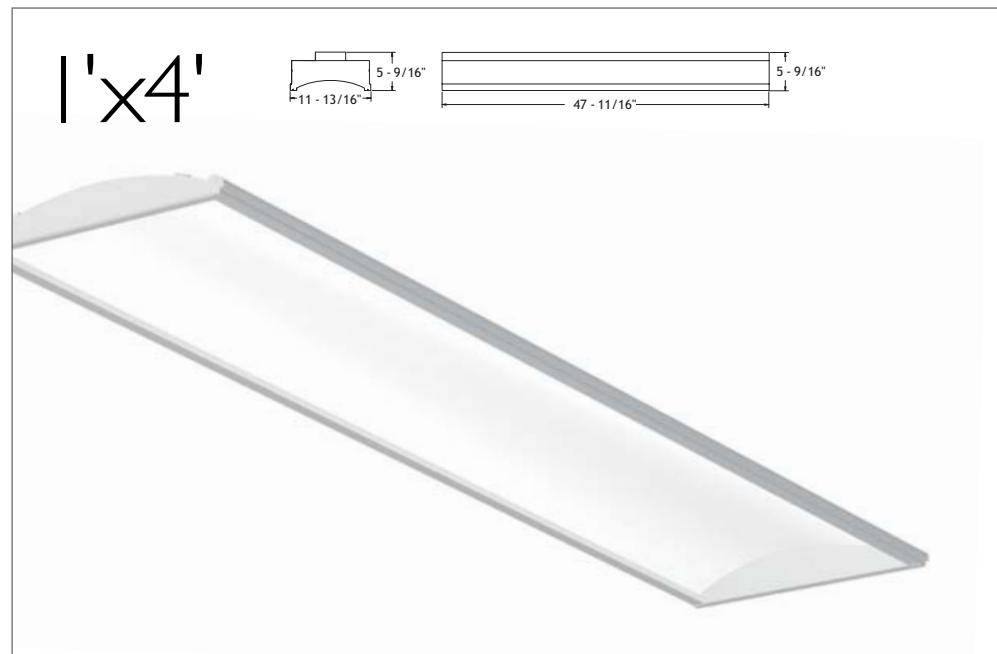
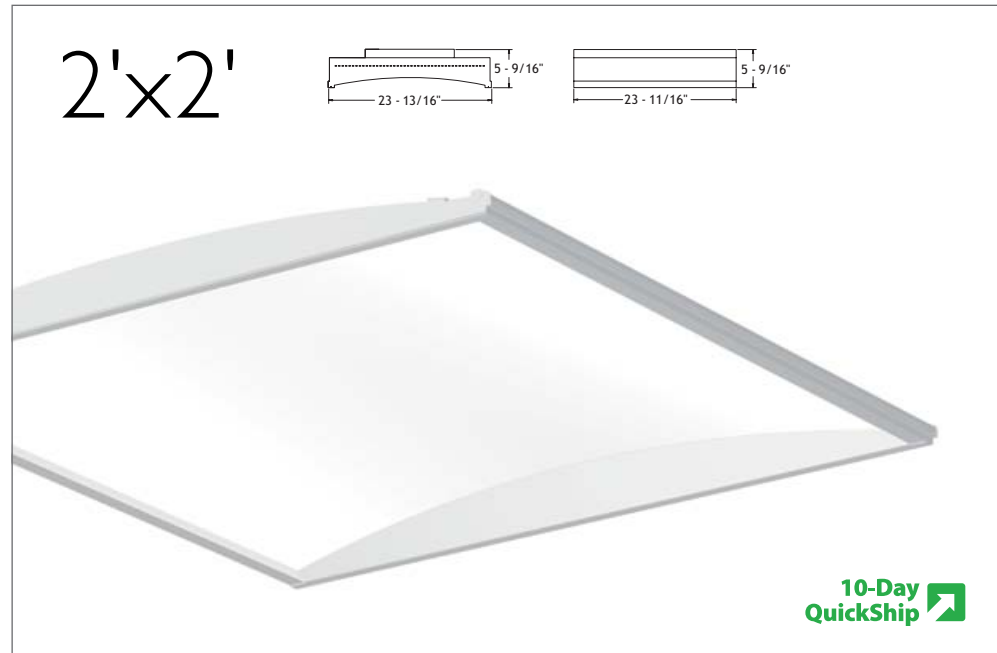
# Product Options

## FUTUREPROOF OPTICS

LEDLOGIQ solutions are field upgradable to stay current with the latest advancements in solid state lighting technology. ArcForm is designed with a simple plug and play platform so that field replacement and maintenance are quick and hassle-free. As a partner with the world's leading LED component suppliers, Philips Ledalite provides high quality, top performing products, and a commitment to ongoing research and development.

## LUMEN PACKAGES

Color Temp	Lumens
A 4000K	<b>36</b> 3600 lumens
B 3500K	<b>44</b> 4400 lumens
C 3000K	





## MAINTENANCE MADE EASY



1. Push in the end corners of the fixture where the hinges are located.



2. To access the driver compartment, remove the screws on the upper reflector.



3. Gently lower the upper reflector and remove the LED driver.

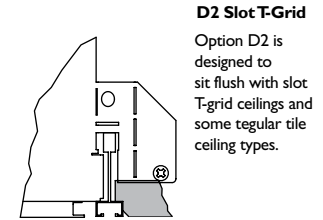
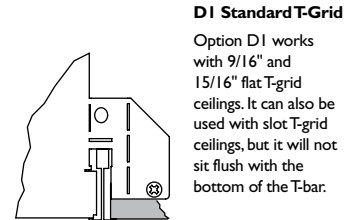
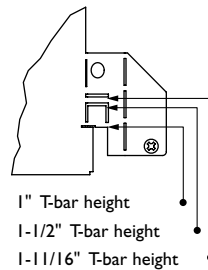
## 5 YEAR TOTAL SYSTEM WARRANTY

ArcForm comes with a 5 year total system warranty, that covers the entire luminaire—including the LED board, driver and all fixture components—with world class support backed by Philips Ledalite.



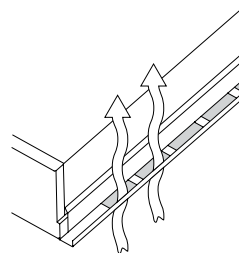
## CEILING INTEGRATION

All ArcForm products feature integrated mounting tabs that can be field-adjusted to various T-bar ceiling heights. Fixtures can be fastened directly to the T-bar grid and/or tied-off to the building structure.



## AIR RETURN

Air return is available with the ArcForm 2'x2' option.





# Order Guide

## SERIES

Size	Version	Configuration
<b>3622</b> ArcForm 2'x2'	<b>D1</b> Standard T-Grid	<b>ST</b> Standalone
<b>3614</b> ArcForm 1'x4'	<b>D2</b> Tegular / Slot T-Grid	<b>CR</b> Continuous Row
	<b>A1</b> Air Return on Standard T-Grid	
	<b>A2</b> Air Return on Slot T-Grid	

## LUMEN PACKAGE

Light Source	Color Temp	Lumens*	Housing
<b>L</b> LED	<b>A</b> 4000K	<b>36</b> 3600 lumens	<b>S</b> Standard
	<b>B</b> 3500K	<b>44</b> 4400 lumens	<b>C</b> Chicago
	<b>C</b> 3000K		

\* Nominal Values

## ELECTRICAL

Wiring Type	Voltage	Driver
<b>1</b> 1 cct	<b>1</b> 120V	<b>E</b> Standard
<b>5</b> 1 cct w/battery pack	<b>2</b> 277V	
<b>7</b> 1 cct dimming		

Consult website for a complete list of standard wiring options.

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All application performance results have been calculated using real luminaire photometric test data and OEM published system specifications for Ledalite factory standard components at the time of publication. Illuminance information as published are average maintained footcandle values based on predictive analyses with calculation grids centered in the respective rooms. Changes to luminaire mounting and/or workplane heights affect uniformity but have no significant impact on energy performance or light levels. Modifications to architectural conditions, luminaire components, and calculation parameters will yield different results. All LED application data is based on 4000K photometry. For further information or custom analysis for your project, please contact the Ledalite Applications Engineering Department. All other product or service names are the property of their respective owners.