



Sync

High performance LED lighting for clarity and balance.





Style & balance.

With its ultra-slim design, Sync is the epitome of compact style — offering all the benefits of visually-comfortable direct/indirect lighting without a louver. Sync creates an ideal balance of ambient and task-focused lighting, with efficiencies as high as 88% for fluorescent, and efficacies as high as 106 lm/W for LED.

Less is more.

Sync enables wider row spacing, reducing the number of fixtures required within a space, which means a significant reduction in lighting-related energy consumption.

Upper Hemisphere (70%)

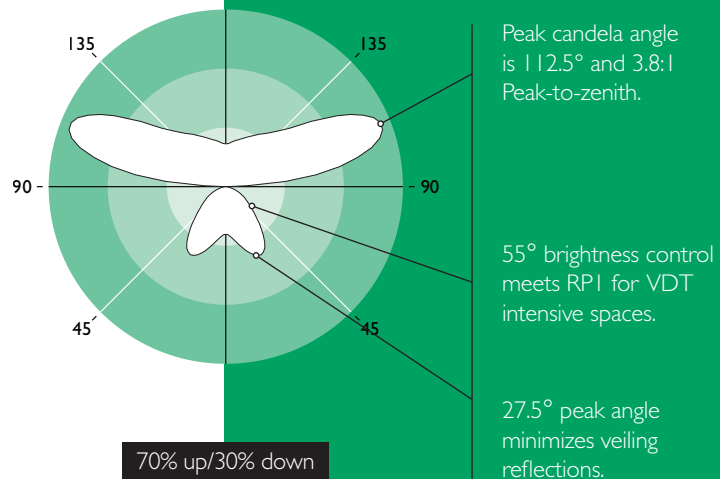
Low peak candela angle provides:

- excellent uniformity
- lower power densities
- wider row spacing




Lower Hemisphere (30%)

Batwing distribution provides:

- glare-free task illumination
- no direct view of the light source



	Input Watts	Efficacy
Fluorescent (~4600lm ¹)	65 W	71 lm/W
LED (~4800lm ²)	47 W	102 lm/W

 28% lower energy 44% higher efficacy

1 - Based on 2LT5, 2600lm per lamp
2 - Nominal/4ft; based on 4000K



Low profile, high performance

With minimal energy consumption, Sync creates bright and natural-feeling spaces—without compromising on a clean and understated form.

	LED 3400 lm*	2 x 32W T8
Light Level	25 fc	29 fc
Energy Density	0.43 W/ft²	0.76 W/ft²
Luminaire Efficacy	106 lm/W	71 lm/W
Ceiling Uniformity	5.55:1	9.10:1

Room: 70'Lx16'Wx9'H | Row Spacing: 14' o.c. | * Nominal Value/4ft luminaire



Visual intelligence

The ability to learn is directly affected by the level of visual comfort—optimal lighting leads to optimal performance. Sync enhances learning environments by distributing uniform, comfortable brightness throughout the space.



LED 4800 lm* 2 x 32W T8

Light Level	41 fc	35 fc
Energy Density	0.62 W/ft²	0.76 W/ft²
Luminaire Efficacy	102 lm/W	71 lm/W
Ceiling Uniformity	4.81:1	7.20:1

Room: 30'Lx30"Wx9'H | Row Spacing: 15' o.c. | * Nominal Value/4ft luminaire



Light/work balance

Positive work environments require a careful balance between illumination and energy consumption. Sync delivers this balance perfectly through optimal light levels, exceptional uniformity and low power densities.

	LED 4800 lm*	2 x 32W T8
Light Level	27 fc	23 fc
Energy Density	0.45 W/ft²	0.55 W/ft²
Luminaire Efficacy	102 lm/W	71 lm/W

Room: 36'Lx32"Wx10'H | * Nominal Value/4ft luminaire



Comfort & precision

Designing functional healthcare environments, where people are the priority, takes careful planning. Sync's minimalist aesthetic creates soft luminous spaces with the right light levels for critical tasks, all while reducing energy usage.



	LED 4800 lm*	2 x 32W T8
Light Level	38 fc	35 fc
Energy Density	0.41 W/ft²	0.45 W/ft²
Luminaire Efficacy	102 lm/W	71 lm/W

Room: 24'Lx18"Wx9'H | * Nominal Value/4ft luminaire



Tested technology

Sync's engineered optics ensure maximum efficacy and sustainability, and MesoOptics technology provides ultimate visual comfort for the most detailed tasks.

	LED 3400 lm*	2 x 32W T8
Light Level	82 fc	100 fc
Energy Density	1.34 W/ft²	2.38 W/ft²
Luminaire Efficacy	106 lm/W	71 lm/W
Ceiling Uniformity	1.04:1	1.02:1

Room: 24'Lx24'Wx8.5'H | Row Spacing: 4' o.c. | * Nominal Value/4ft luminaire



Clearly inspirational

Providing a well-lit space is important when increased focus and creative inspiration is needed. Sync seamlessly blends into an environment with high ceilings and offers designers the choice to add extra downlight with an optional variable optics kit.



	LED 4800 lm*	2 x 32W T8
Light Level	44 fc	39 fc
Energy Density	0.74 W/ft²	0.89 W/ft²
Luminaire Efficacy	102 lm/W	71 lm/W

Room: 48'Lx24'Wx16'H | Row Spacing:12' o.c. | * Nominal Value/4ft luminaire



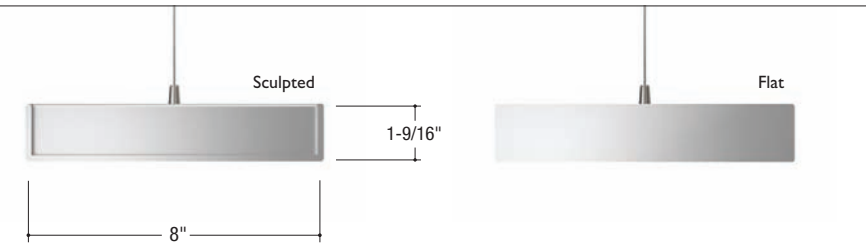


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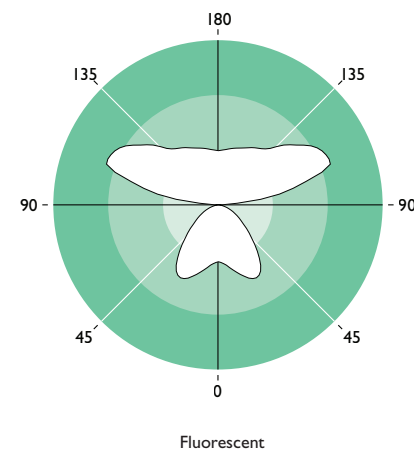
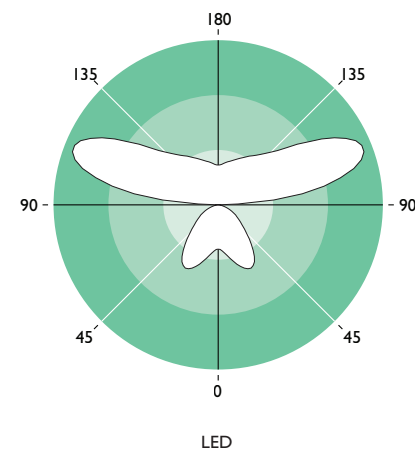
Suspended



Sync is now available with an additional endcap option. This beautifully sculpted aesthetic further refines an already elegant luminaire.

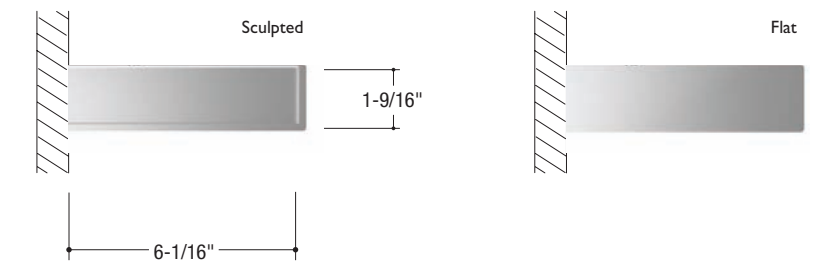


Note: LED & fluorescent luminaire dimensions are the same.

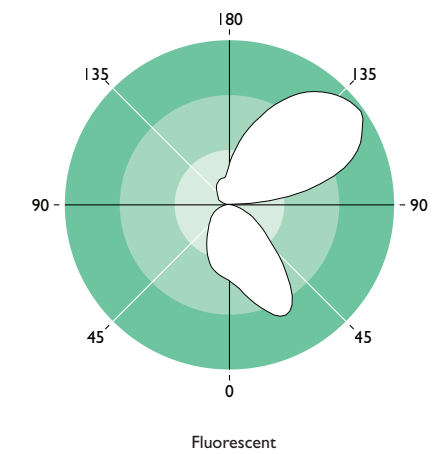
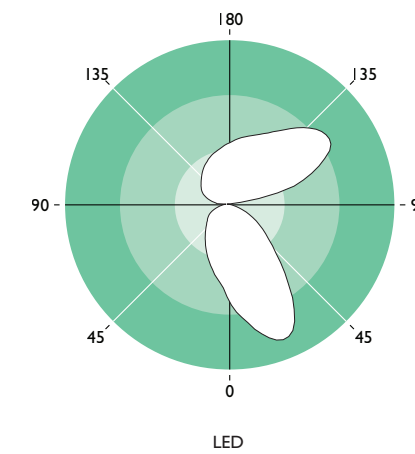


Sync

Wall

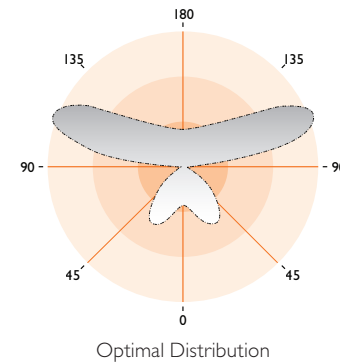


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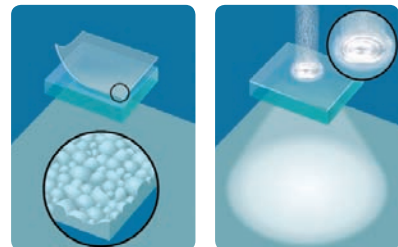




Philips Ledalite's revolutionary MesoOptics can be created using holographic or digital laser writing techniques. Using advanced manufacturing processes, patented nano and micro scale structures are applied to recyclable substrates creating highly efficient distributions and a unique lighting control approach.



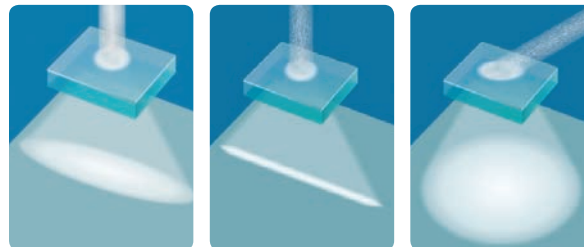
PURIFY



Optical Nanotechnology Homogenous Distribution

MesoOptics homogenizes color; and removes striations and hot spots from lighting sources, creating smooth gradients of pure, white light free from color shifts.

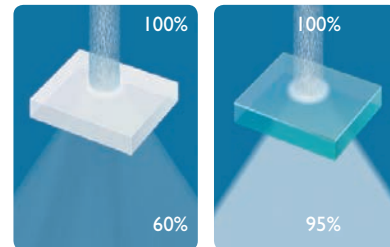
CONTROL



Dispersed Elliptical Constrained Linear Redirected Circular

MesoOptics disperses light uniformly and creates precisely controlled beam patterns to redirect light into optimum angles.

SUSTAIN



Traditional Diffuser MesoOptics

MesoOptics' highly efficient material allows up to 95% of the light to pass through, creating highly energy efficient lighting products.



Sync allows designers to maintain clean, aesthetic continuity throughout a space while minimizing harsh shadows and balancing light levels.



Design Intelligence

LEDLOGIQ is a comprehensive design approach that integrates emerging LED platforms with advanced optical, mechanical, electronic, industrial, and thermal engineering to deliver optimal lighting distribution, consistent color and exceptional system performance.



LONGEVITY

60,000 hours to L₈₀ | Futureproof Upgradable 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



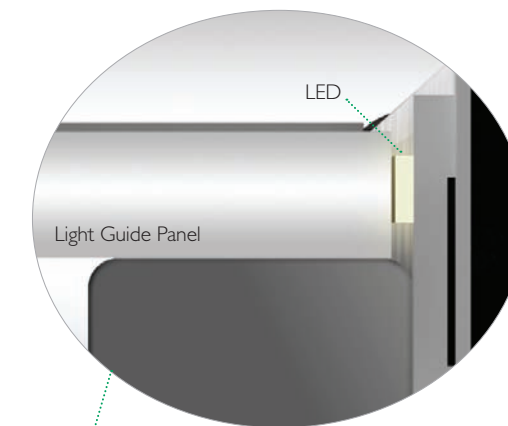
QUALITY

U.S. DOE Lighting Facts Partner | UL and CSA | IES LM 79-08 Tested

Advanced Engineering

Sync's lean construction is comprised of arrays of LEDs edge-lighting a low profile Light Guide panel.

The Light Guide panel allows light to be coupled and transmitted through total internal reflection. The etched surface of the panel optimizes the light extraction and directs it into a wide indirect distribution. This makes Sync a great choice for close-to-ceiling applications.



Light is purified and controlled by MesoOptics film then passes through the non-glare acrylic lens. MesoOptics removes striations, homogenizes color and controls high angle glare. As light emerges from the lens, an ideal batwing distribution is created in the lower hemisphere.



Sync LED 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.

Always moving forward

As a leader in research, design and development, Philips Ledalite is continually advancing its LED solutions to ensure the best performance. Visit ledalite.com/sync for the most up-to-date LED application data.



Optional Sensor Integration

Sync is available with Philips Ledalite's Response Daylight sensors. These fully-integrated sensors can provide 30-35% energy savings in window-adjacent locations—helping to reduce operating expenses and comply with new energy codes.

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 occasional shadows.

ledalite.com/response



Wireless. Batteryless. Limitless.

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



Solar powered photosensor



Occupancy sensor



Intelligent transceiver



Kinetic energy switch



Kinetic handheld remote

Specification Guide

Product Series/Type

7406 Sync Direct/Indirect

7408 Sync Wall

	Lamping (fluorescent)		Optics	Length	Wiring	Voltage	Ballast/Driver	Finish	EndCap
	Suspended	Wall	QN MesoOptics Lens	04 4ft	1 1cct	1 120V	E Electronic	W Standard White	• Standard Flat • Sculpted
	F02 2 T5	F01 1 T5	QG MesoOptics Lens + 80% Down Kit	08 8ft	2 2cct [†]	2 277V		B Black	
	H02 2 T5HO	H01 1 T5HO	QJ MesoOptics Lens + 100% Down Kit		3 1cct w/ Emergency cct	3 347V [†]		T Titanium	
	T02 2 T8	T01 1 T8			5 1cct w/ Battery Pack [†]			C Custom Color	
					7 1cct Dimming				
Color (LED)		Lumen Package (LED)		Integrated Controls					
LA LED 4000K		Suspended	Wall	DS Daylight Response Sensor					
LB LED 3500K		C 4800 lumens*	E 3400 lumens*						
LC LED 3000K		E 3400 lumens*	G 2300 lumens*						
		*nominal 4ft							

Note: Some options may not be available for each configuration. Consult factory for details. [†] These options not currently available in LED.

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All application performance results have been calculated using real luminaire photometric test data and OEM published system specifications for Philips 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 fixture mounting and/or workplane heights affect uniformity and to a lower extent light levels, but have no significant impact on energy performance. Ceiling uniformity values are calculated using a statistical area of exitance values, using as a reference, a plane located between a point on the ceiling above a luminaire's photometric center, and the mid-point between two rows of luminaires. All LED applications are based on 4000K photometry. Modifications to architectural conditions, luminaire components, and calculation parameters will yield different results. For further information or custom analysis for your project, please contact the Philips Ledalite Applications Engineering Department. All other product or service names are the property of their respective owners.