



LEDALITE

by  Signify

Linear

Sync
suspended & wall



**High performance
lighting for clarity
& balance**



**True direct/indirect
performance in a compact style**

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 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%)

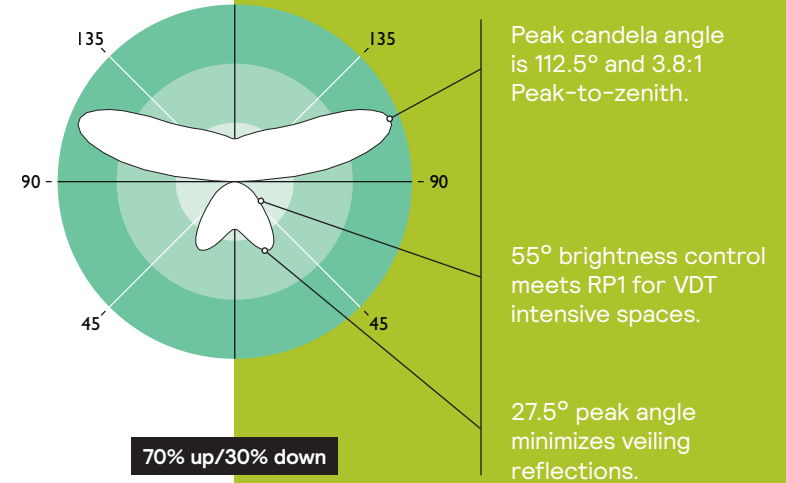
Low peak candela angle provides:

- 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
LED (~4800lm ¹)	47 W	102 lm/W

1 - 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*

Light Level	25 fc
Energy Density	0.43 W/ft ²
Luminaire Efficacy	106 lm/W
Ceiling Uniformity	5.55:1

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*

Light Level	41 fc
Energy Density	0.62 W/ft ²
Luminaire Efficacy	102 lm/W
Ceiling Uniformity	4.81:1

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*

Light Level	27 fc
Energy Density	0.45 W/ft ²
Luminaire Efficacy	102 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*

Light Level	38 fc
Energy Density	0.41 W/ft ²
Luminaire Efficacy	102 lm/W

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





EXIT

N 559

Hand Wash

N 559
Sun Room

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*

Light Level	82 fc
Energy Density	1.34 W/ft ²
Luminaire Efficacy	106 lm/W
Ceiling Uniformity	1.04:1

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*

Light Level	44 fc
Energy Density	0.74 W/ft ²
Luminaire Efficacy	102 lm/W

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





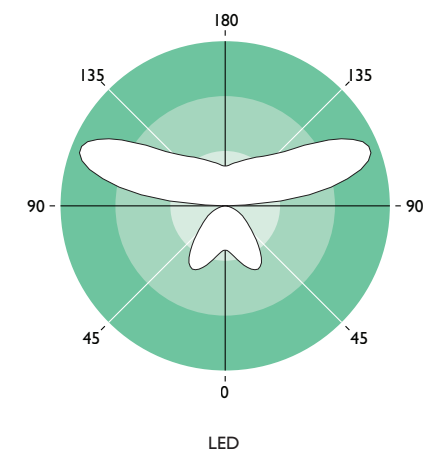
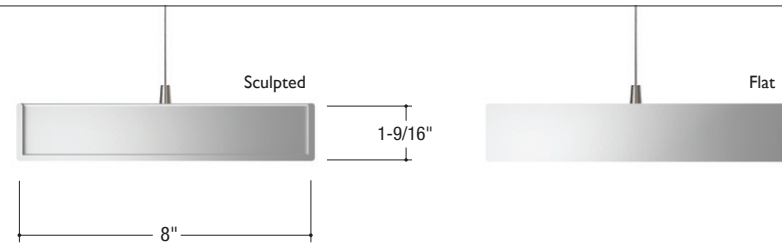


Sync

Suspended

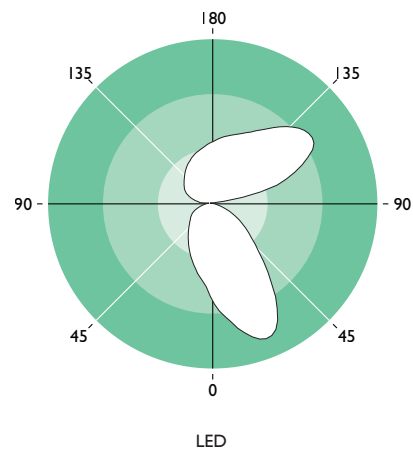
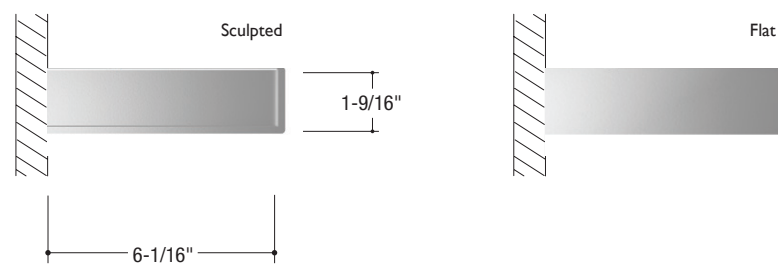
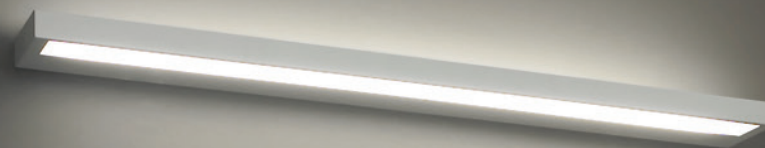


Sync is now available with an additional endcap option. This beautifully sculpted aesthetic further refines an already elegant luminaire.





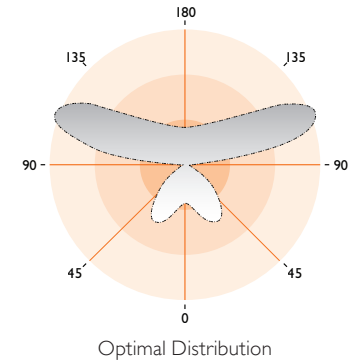
Sync Wall



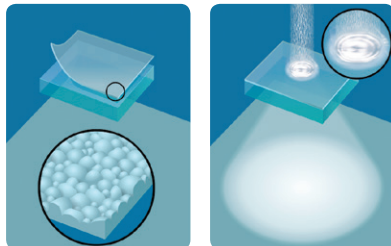


mesoOptics

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.



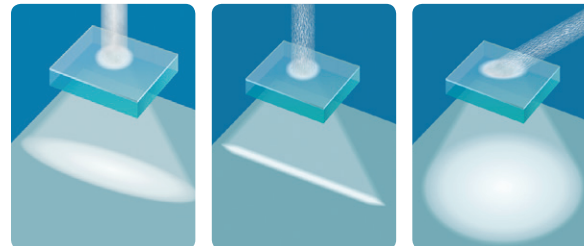
PURIFY



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.

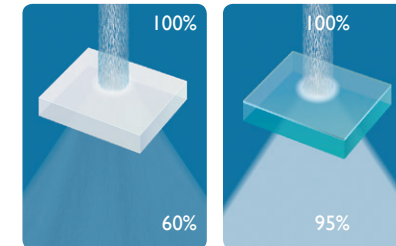
CONTROL



Dispersed Elliptical Constrained Linear Redirected Circular

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

SUSTAIN



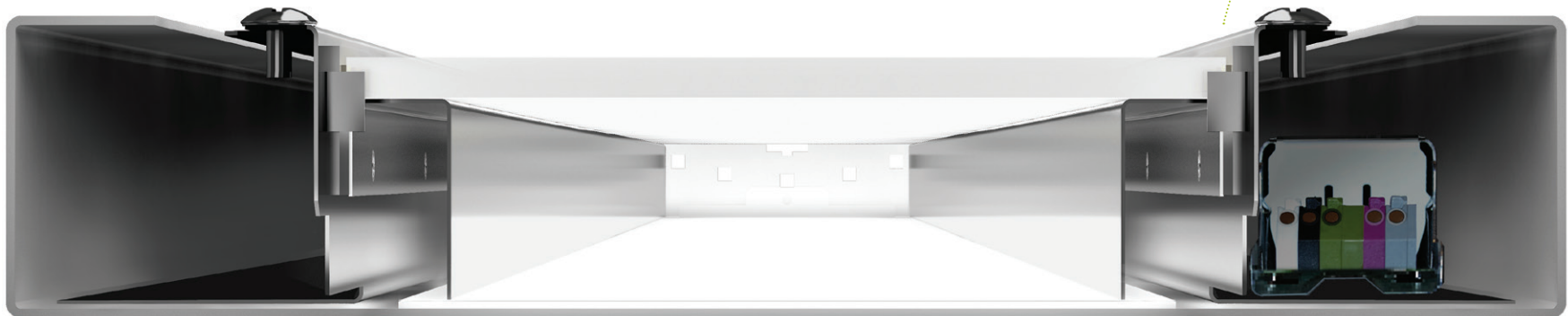
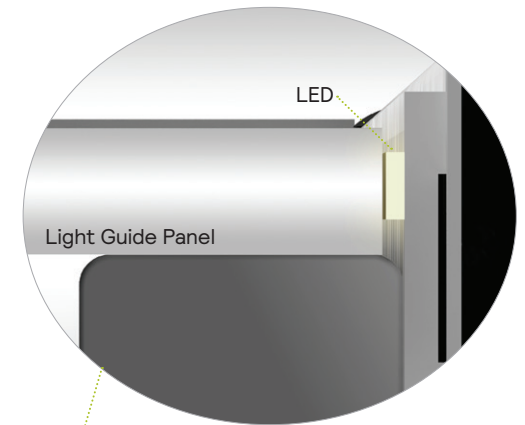
Traditional Diffuser MesoOptics

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

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.

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.

