

© 2015 Koninklijke Philips N.V. All rights reserved. Philips reserves the right to make changes in specifications and/or to discontinue any product at any time without notice or obligation and will not be liable for any consequences resulting from the use of this publication.

PLe-1501BR 05/15 philips.com/luminaires

Philips Lighting
North America Corporation
200 Franklin Square Drive
Somerset, NJ 08873
Tel. 855-486-2216

Imported by: Philips Lighting,
A division of Philips Electronics Ltd.
281 Hillmount Rd,
Markham, ON, Canada L6C 2S3
Tel. 800-668-9008



Linear

TruGroove LED

Suspended,
Surface & Wall

Design
elegance.
Astonishing
performance.





Suspended & Recessed Direct

Lumen Package*	1500lm
Efficacy	99 LPW
Light Level	34 fc
Max/Min Workplane**	1.6
Energy Density	0.37 W/ft ²

Room: 36' L x 18' W x 9' H, Spacing: "L's" 9ft o.c.
 Based on 3500K color temperature.
 * Nominal value /4ft luminaire. ** Excludes outer edges of space.

The height of sophisticated linear lighting

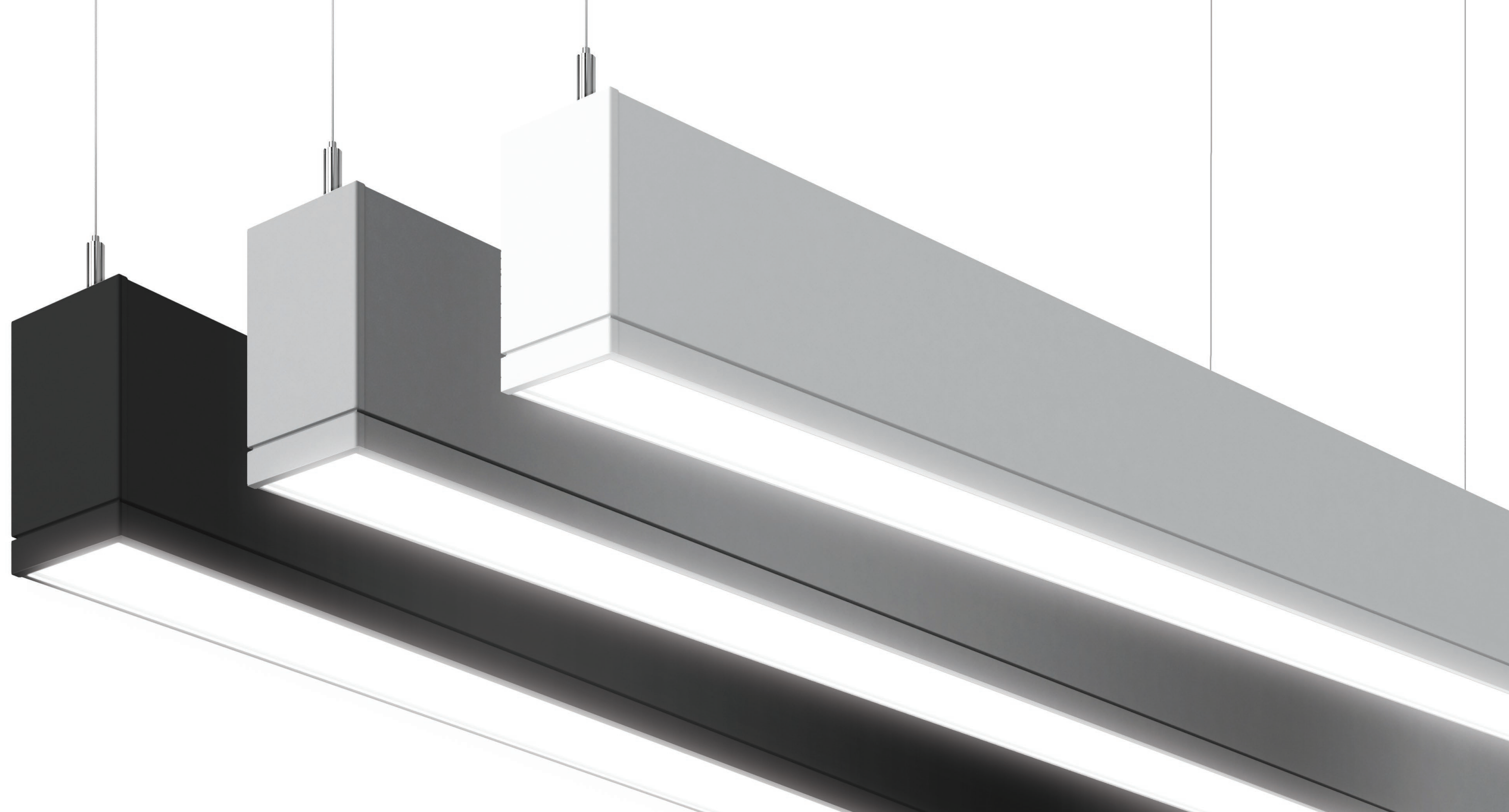
All encompassing, no compromises.

Philips Ledalite TruGroove LED luminaires are now available in suspended, surface and wall mount versions, complementing our high performance recessed line-of-light and extending sustainable elegance throughout any space. Whether you seek direct or indirect light, or a combination of the two, TruGroove LED offers unparalleled light distribution for the utmost flexibility and visual comfort.

Space-defining TruGroove LED direct suspended corners harmonize with a functional, way-finding recessed luminaire.

Refined design for **distinctive spaces**

Stand apart from the crowd
with TruGroove LED line-of-light
luminaires, a balanced blend
of form and function.



Driving performance beyond the edge

Enhance your space with lighting innovation.

TruGroove LED's unique batwing optical distribution gives you exceptional control so you can create balanced, luminous spaces using fewer luminaires compared with traditional lighting systems. The engineered elliptical lens and MesoOptics DX technology delivers outputs of up to 126 LPW while reducing energy densities to as low as 0.27 W/ft².

Lighting is no longer an afterthought.

Lumen Package*	2300lm
Efficacy	98 LPW
Light Level	44 fc
Max/Min Workplane**	1.9
Energy Density	0.51 W/ft ²

Room: 36' L x 18' W x 9' H
Based on 3500K color temperature.
* Nominal value/4ft luminaire. ** Excludes outer edges of space.

Surface mount direct





1. suspended indirect
2. suspended direct/indirect
3. suspended indirect/direct
4. suspended direct
5. wall indirect
6. wall indirect/direct
7. wall direct/indirect
8. wall direct
9. recessed direct
10. surface direct

Endless ways
to make an
impression

Welcome to the
TruGroove LED world.

Simply inspiring

Suspended indirect

<i>Lumen Package*</i>	3200lm
<i>Efficacy</i>	124 LPW
<i>Light Level†</i>	21 fc
<i>Max/Min Workplane**</i>	1.3
<i>Max/Min Ceiling**</i>	7.0
<i>Energy Density</i>	0.27 W/ft ²

Room: 24' L x 24' W x 9' H

Based on 3500K color temperature.

* Nominal value/4ft luminaire. ** Excludes outer edges of space.

† Ambient excluding task lamps.

The strong, minimalist design in this office is complemented by black indirect TruGroove Suspended LED luminaires. This configuration provides soft, ambient lighting without glare.





Ahead of the curve

	Suspended direct
<i>Lumen Package*</i>	1500lm
<i>Efficacy</i>	99 LPW
<i>Light Level</i>	33 fc
<i>Max/Min Workplane**</i>	1.4
<i>Energy Density</i>	0.47 W/ft ²

Room: 20' L x 12' W x 9' H

Based on 3500K color temperature.

* Nominal value/4ft luminaire. ** Excludes outer edges of space.

The MesoOptics DX technology in direct TruGroove Suspended LED luminaires creates a visually comfortable environment while daylight sensors help to enhance classroom energy efficiency.

Elevating the ordinary to the extraordinary

	Suspended indirect/direct
<i>Lumen Package*</i>	4600lm (70% up, 30% down)
<i>Efficacy</i>	113 LPW
<i>Light Level</i>	54 fc
<i>Max/Min Workplane**</i>	1.9
<i>Max/Min Ceiling**</i>	2.7
<i>Energy Density</i>	0.58 W/ft ²

Room: 40' L x 14' W x 9' H
Based on 3500K color temperature.
* Nominal value/4ft luminaire. ** Excludes outer edges of space.

A single, continuous indirect/direct TruGroove Suspended LED luminaire delivers plenty of task lighting across the table while avoiding hot spots.





Create a distinctive experience

	Wall indirect/direct
<i>Lumen Package*</i>	3000lm (55% up, 45% down)
<i>Efficacy</i>	109 LPW
<i>Light Level</i>	22 fc
<i>Max/Min Workplane**</i>	2.9
<i>Energy Density</i>	0.47 W/ft ²

Room: 20' L x 12' W x 9' H
 Based on 3500K color temperature.
 * Nominal value/4ft luminaire. ** Excludes outer edges of space.

Smooth, balanced light washes down the wall and illuminates the ceiling; creating a relaxing social environment from an asymmetric indirect/direct TruGroove Wall LED luminaire.

Works as great as it looks

	Suspended direct/indirect
<i>Lumen Package*</i>	3600lm (35% up, 65% down)
<i>Efficacy</i>	105 LPW
<i>Light Level</i>	45 fc
<i>Max/Min Workplane**</i>	1.9
<i>Max/Min Ceiling**</i>	2.1
<i>Energy Density</i>	0.48 W/ft ²

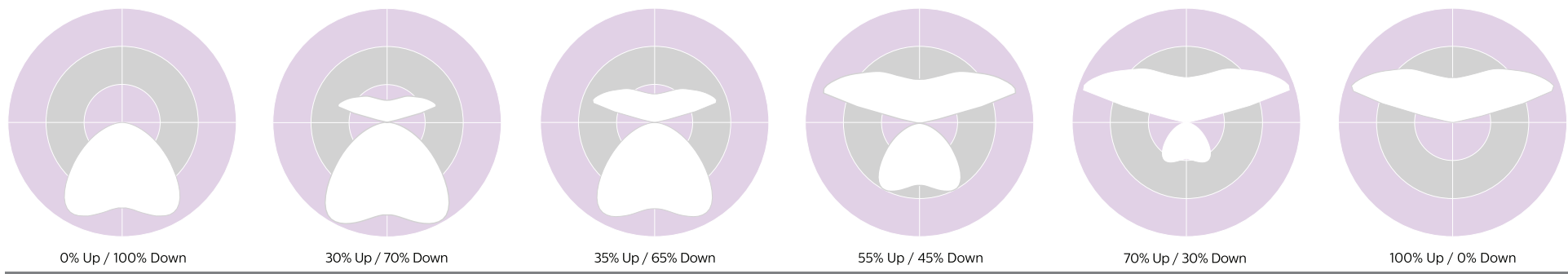
Room: 36' L x 24' W x 10.5' H with Row Spacing: 12' o.c.
Based on 3500K color temperature.
* Nominal value/4ft luminaire. ** Excludes outer edges of space.

In busy work environments, direct/indirect TruGroove Suspended LED luminaires generate exceptional lighting uniformity on every surface without visual distraction.



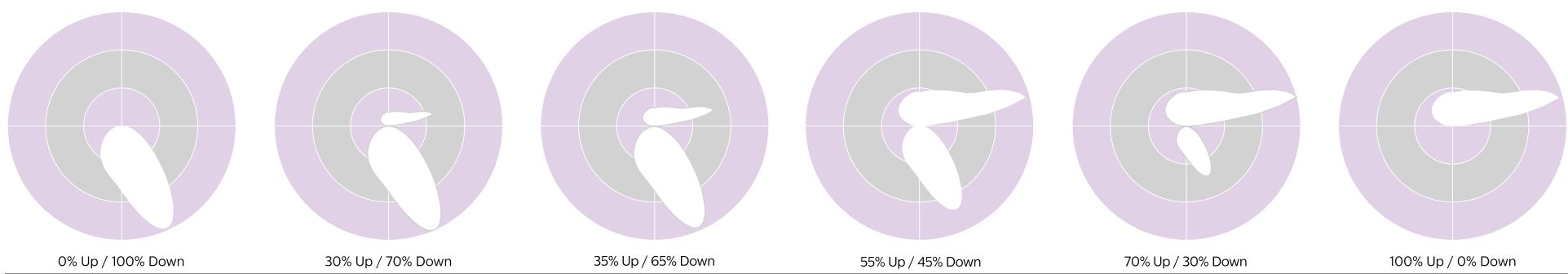
Start creating your vision here

Symmetric



Suspended
Surface & Recessed

Asymmetric

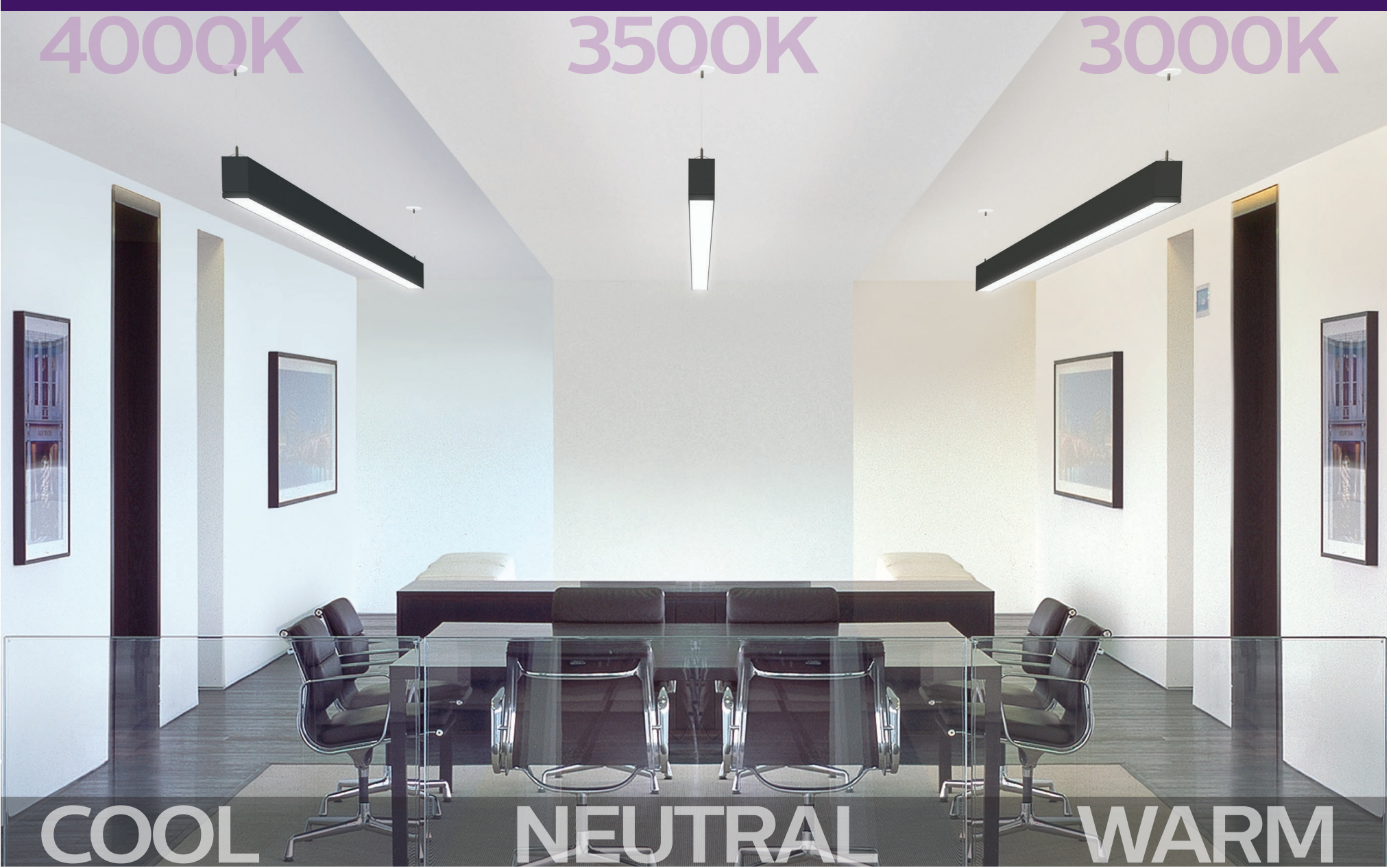


Suspended & Wall
Surface & Recessed

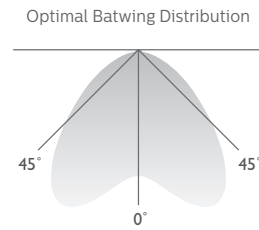
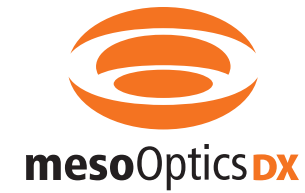
TruGroove LED's optimal batwing distributions, outstanding efficacies and wide range of direct and indirect light outputs mean:

- Exceptional lighting uniformity and visual comfort
- Wide spacing to minimize the number of luminaires
- Affordable projects with low operating costs

Note: With ever-changing LED technology, please visit www.philips.com/luminaires for the latest LED application data.



Sophisticated style, exceptional color rendering and low energy consumption makes TruGroove LED a natural fit for applications where color, ambience and structure are important.



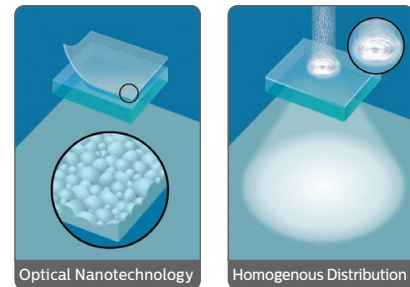
MesoOptics DX — A new chapter in MesoOptics

Our original MesoOptics technology consists of micron-scale optical structures on a clear substrate for precisely distributing and controlling light from a luminaire. This improves lighting uniformity and adds controlled brightness to vertical surfaces, creating a visually comfortable environment without unwanted glare. The combination of distribution control and high transmission efficiencies means that fewer luminaires are needed in the space, and energy consumption is lower than with traditional optics.

New MesoOptics DX delivers even more astonishing performance. By miniaturizing the bi-directional lens and integrating it into the structure of the MesoOptics surface, visual purity of the lower lens is improved along with luminaire efficacy. The optimal batwing distribution is retained, so light is delivered exactly where you need it most.

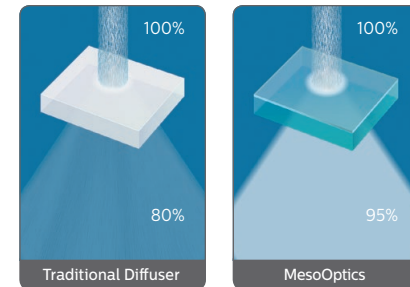
Purify

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



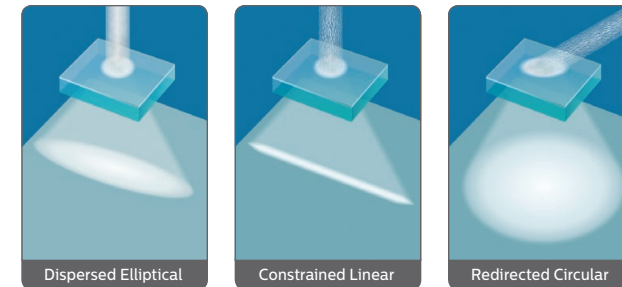
Sustain

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



Control

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



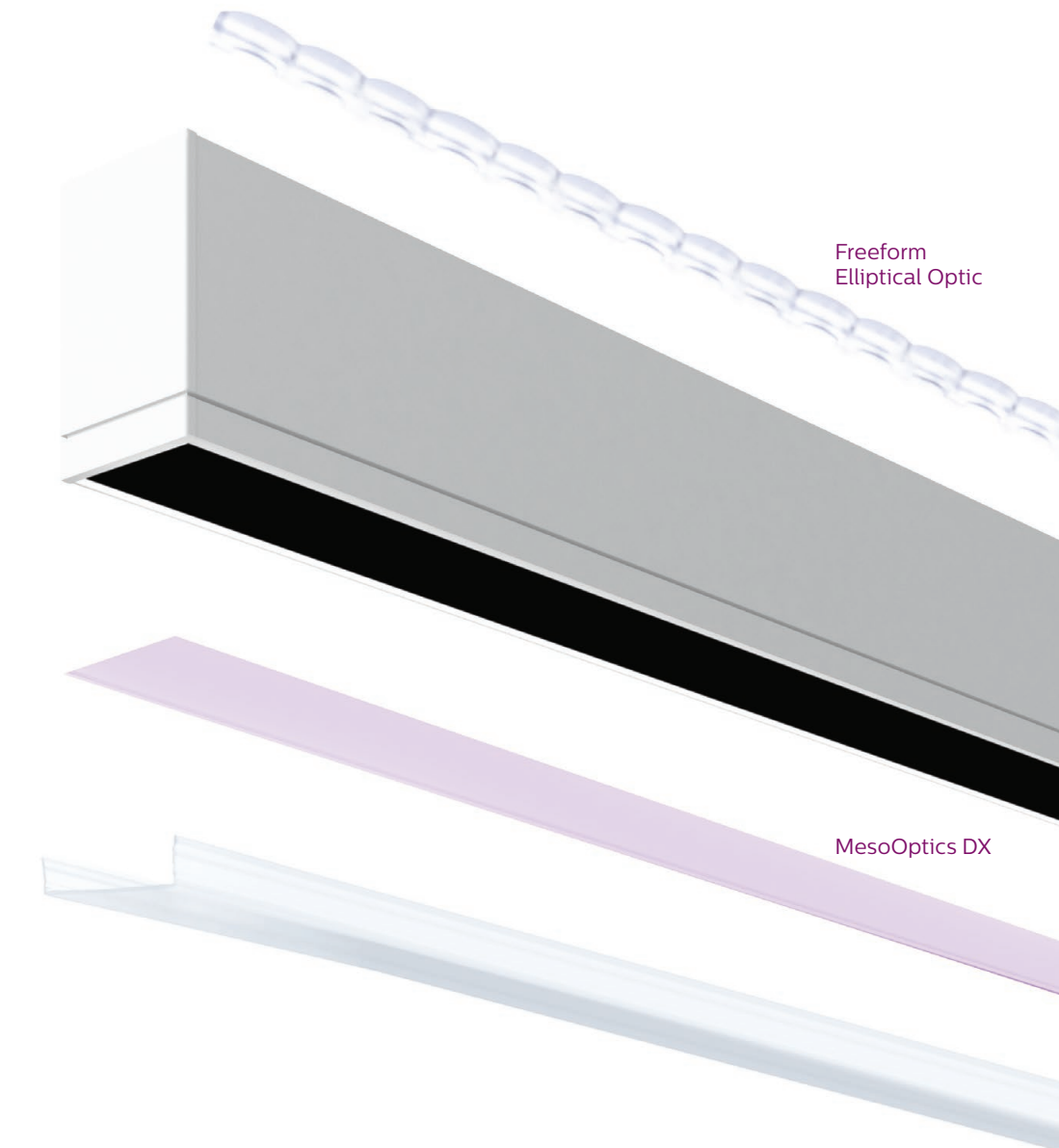
Innovative optics

Freeform Elliptical Optic

For the upper hemisphere, Philips Ledalite has developed an all-new Freeform Elliptical lens optic for linear luminaires. The lens takes light from a central strip of LEDs facing upwards and redirects them laterally into a wide batwing distribution. This minimizes max/min light levels on the ceiling and allows increased row spacing, while homogenizing LED color temperature across all angles.

Amazing Asymmetric

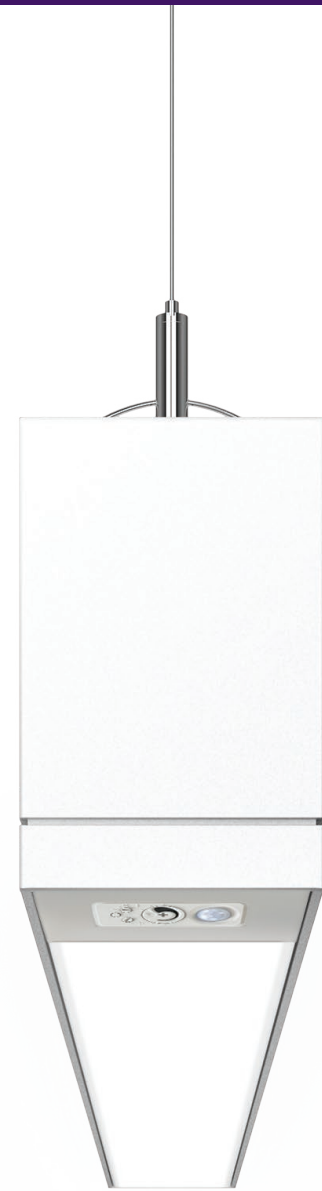
For applications that are mounted on or close to a wall, as usual Philips Ledalite has spent considerable effort designing high performing asymmetric versions of TruGroove. Specialized optics in both the lower and upper hemispheres, unique to the asymmetric versions, ensure a smooth gradation of light down the vertical surface, avoiding light waste and obtrusive hotspots.



Integrated occupancy sensing & daylight harvesting



Response Daylight and Actilume Occupancy 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.



TruGroove LED is available with Philips Ledalite Response Daylight sensors and Philips Actilume Occupancy sensors. These fully integrated sensors automatically dim the luminaire when daylight enters the room or people leave the area, thus helping to reduce operating expenses and easing compliance with new energy codes. Sensors adjust light output gradually for minimal distraction to occupants.

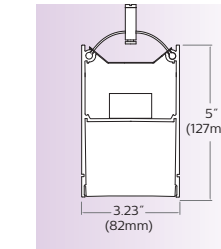


Product Details

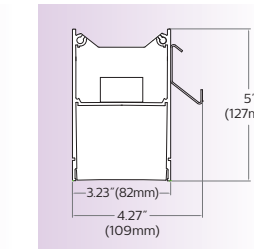
Dimensions

Direct, Direct/Indirect & Indirect/Direct

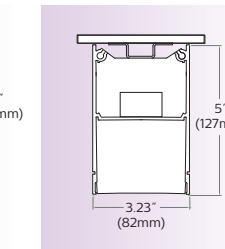
Suspended



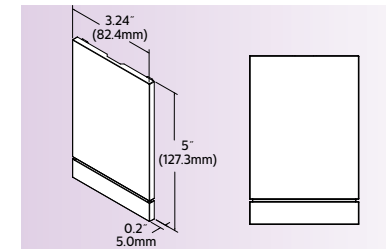
Wall



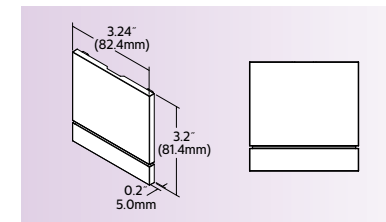
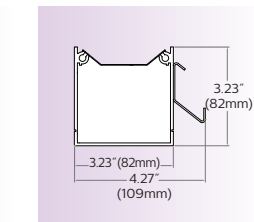
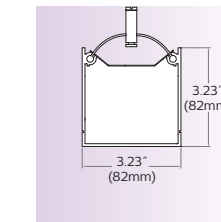
Surface



End Caps

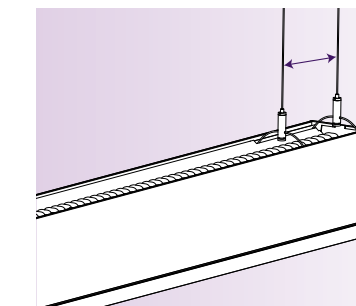


Indirect



Mounting

Suspended



5" variable positioning of sling mount

Variable mount positioning

For mounting, TruGroove LED uses a sliding, self-leveling sling mount in the suspended version, a rail and bracket system in the wall mount and a slot and bracket system in the surface mount. These allow variable mount positioning to accommodate practical site conditions such as non-standard ceilings, pipe-work and offset wall studs in order to minimize contractor installation time.

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 part of this program, TruGroove LED configurations are independently tested to IES LM-79 industry standards to validate their performance. The Lighting Facts label provides key product performance data to ensure LED products perform as expected.

All Symmetric Suspended and Surface configurations of TruGroove LED are DLC (DesignLights™ Consortium) qualified.



Futureproof. Period.

Philips Ledalite LED solutions are field upgradable to stay current with the latest advancements in solid state lighting technology. TruGroove LED 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, we provide high quality, top performing products, and a commitment to ongoing research and development.

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 philips.com/trugroove for the most up-to-date LED application data.



Specification Guide

TruGroove LED Suspended, Surface & Wall

Product Version		Distribution	Light Source				Electrical			Finish	Options	
Family	Mounting	Down/Up	Source	CRI & Color Temp	Lumen Package*	Optics	Run Length	Wiring**	Voltage	Driver†	Controls	
29 TruGroove LED	0 Suspended 1 Surface Mount 2 Wall Mount	1 Direct	L LED	A CRI>80 4000K B CRI>80 3500K C CRI>80 3000K	E 3200 lm/4ft	QN Symmetric MesoOptics Lens WN Asymmetric MesoOptics Lens	04 4ft 06 6ft 08 8ft 22 2x2ft Corner XX Total Run Length in 2ft Increments	1 1 cct 2 2 cct Switching (Up/Down) 3 1 cct w/Emergency 5 1 cct w/Battery Pack 7 1 cct w/Dimming G 2 cct Dimming (Up/Down) N 1 cct Dimming w/Battery Pack	1 120V 2 277V 3 347V	E Standard	W White T Titanium B Black X Custom	DS Response Daylight Sensor DO Actilume Occupancy with Field-enabled Daylight
					G 2300 lm/4ft							
					K 1500 lm/4ft							
		3 Indirect			C 4800 lm/4ft	NQ Symmetric Performance Lens NW Asymmetric Performance Lens						
					E 3200 lm/4ft							
					B 5200 lm/4ft (60/40) C 4600 lm/4ft (70/30) D 3500 lm/4ft (60/40)		QQ Symmetric MesoOptics Lens Down/Performance Lens Up WW Asymmetric MesoOptics Lens Down/Performance Lens Up					
5 Indirect/Direct 6 Direct/Indirect												

* Nominal output, approximate distribution. ** Consult website for a full list of available wiring options. † Consult website for a full list of supported drivers.