



Linear

TruGroove

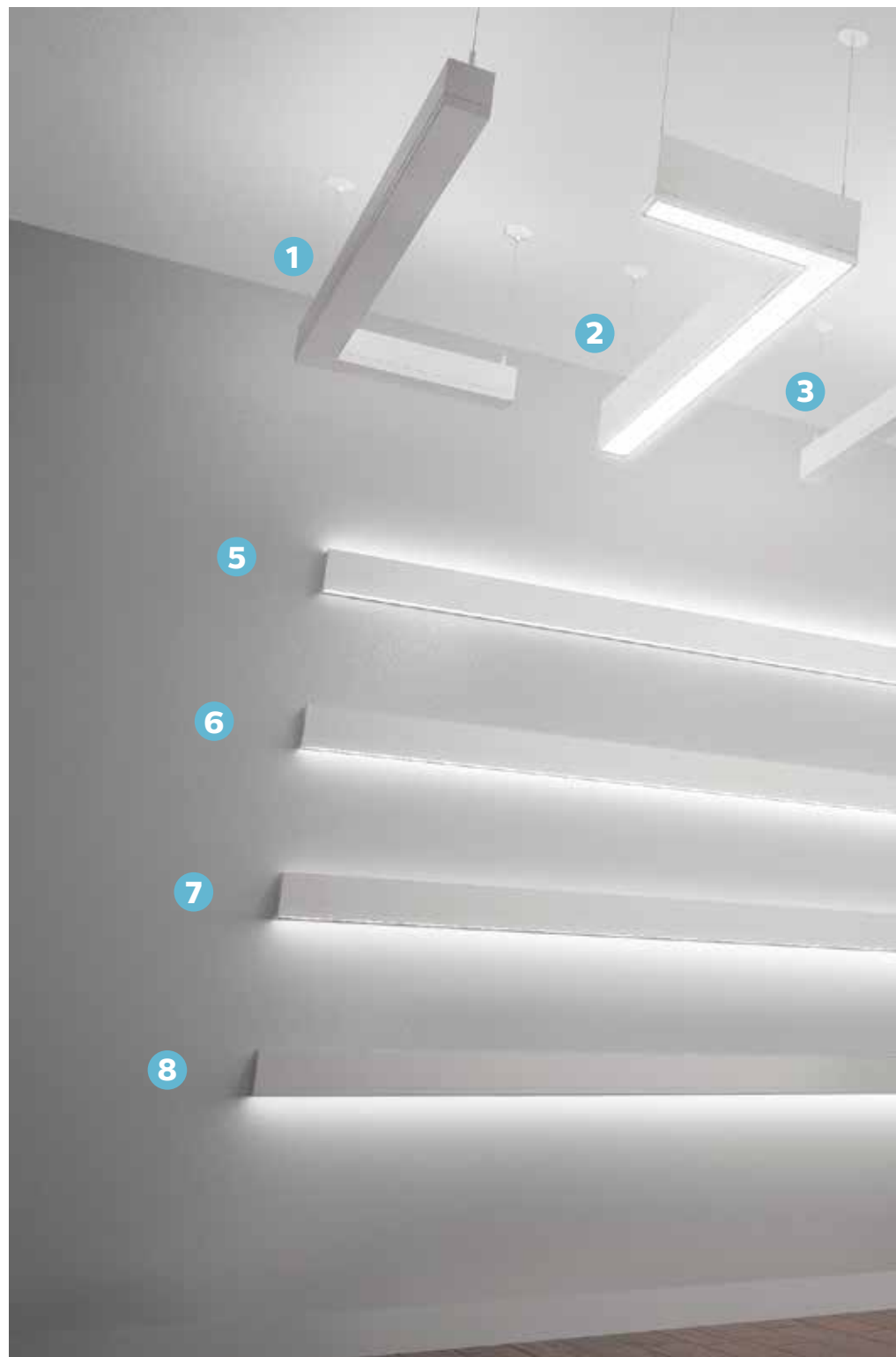
Recessed micro,
recessed, perimeter,
suspended, surface
& wall

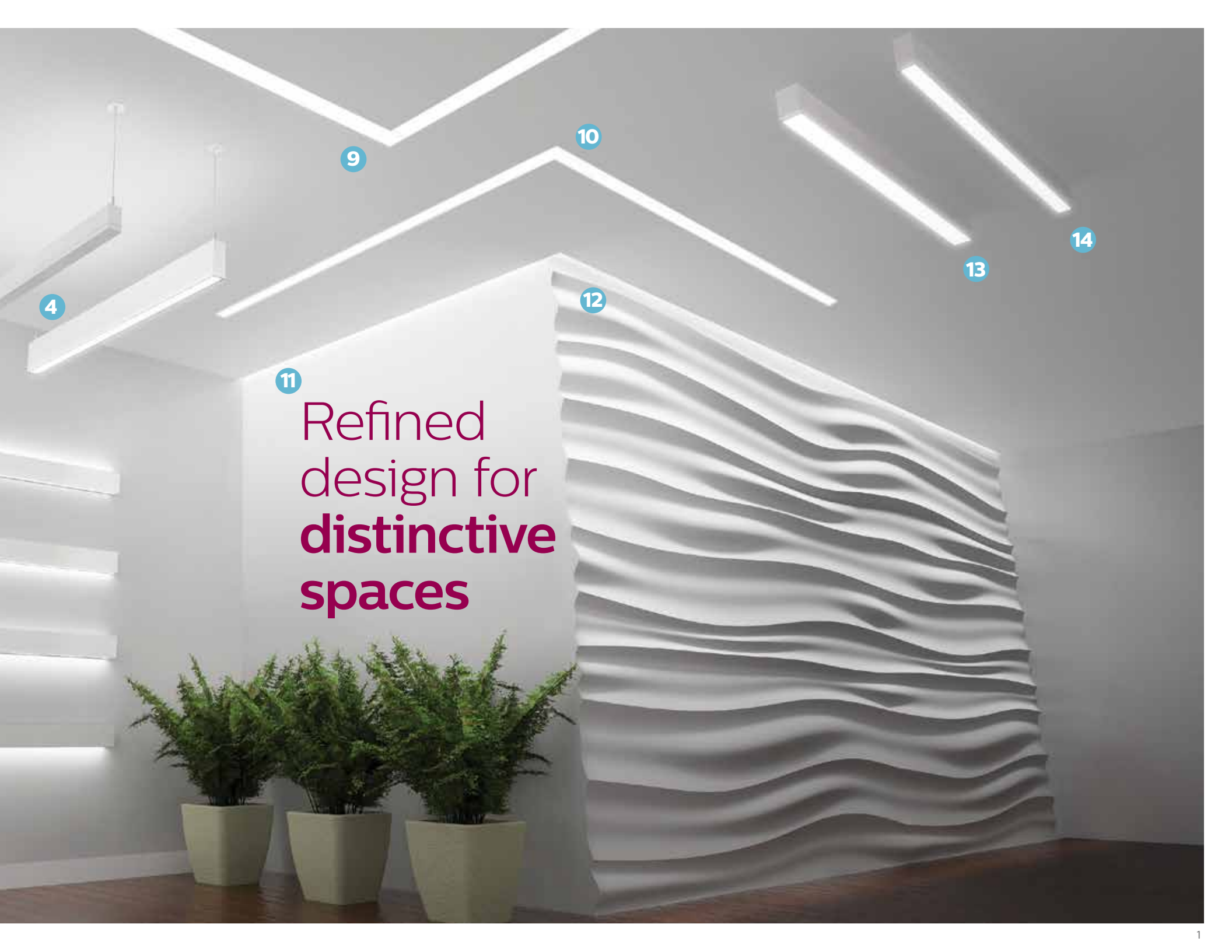


The entire
family,
**all under
one roof**

Welcome to the **TruGroove** world

1. TruGroove suspended indirect (3")
2. TruGroove suspended indirect/direct (3")
(also available in direct/indirect & direct)
3. MicroSquare suspended indirect (1.75")
4. MicroSquare suspended indirect/direct (1.75")
(also available in direct/indirect & direct)
5. MicroSquare wall indirect/direct (1.75")
(also available in direct/indirect)
6. MicroSquare wall direct (1.75")
7. TruGroove wall indirect/direct (3")
(also available in direct/indirect)
8. TruGroove wall direct (3")
(also available in indirect)
9. TruGroove recessed ceiling & wall (3")
10. TruGroove recessed micro ceiling (1.75")
11. TruGroove perimeter ambient
12. TruGroove perimeter graze
13. TruGroove surface (3")
14. MicroSquare surface (1.75")





Refined
design for
distinctive
spaces

Innovative optics

Freeform Elliptical Optic

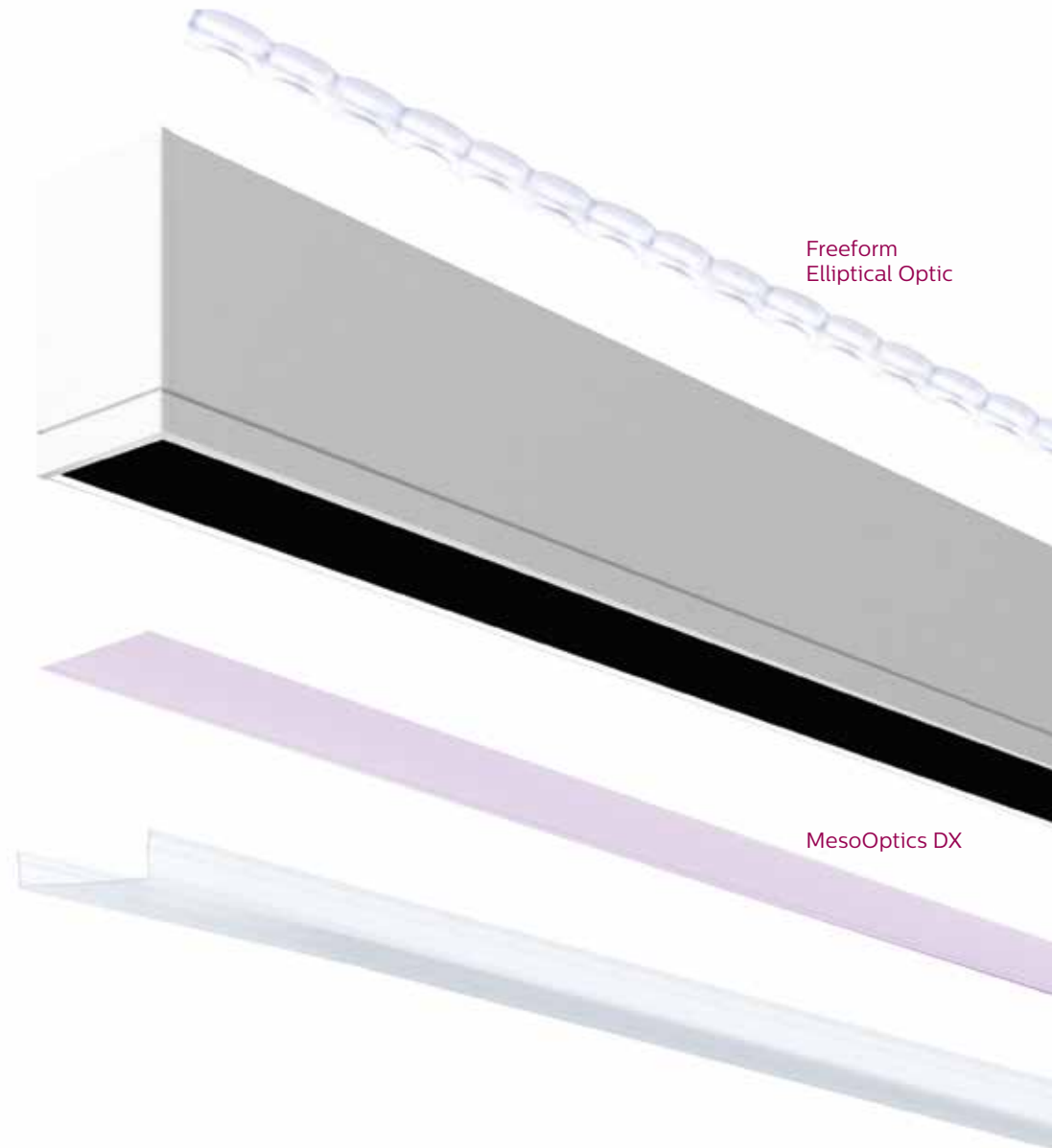
For the upper hemisphere, Philips Ledalite has developed an all-new Freeform Elliptical lens optic for linear luminaires. The lens takes light from a central strip of LEDs facing upwards and redirects them laterally

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, Philips Ledalite ensures top quality designed, 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.



It's all about control

MesoOptics DX

All symmetric TruGroove products use MesoOptics DX technology to provide the following:

Purify

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



Optical Nanotechnology



Homogenous Distribution

Sustain

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



Traditional Diffuser



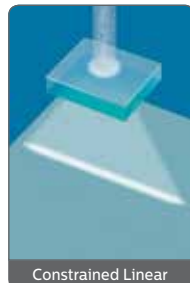
MesoOptics

Control

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



Dispersed Elliptical



Constrained Linear



Redirected Circular

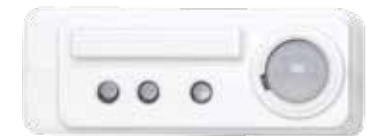


SpaceWise DT

The TruGroove linear family is available with integrated occupancy sensing and daylight harvesting.

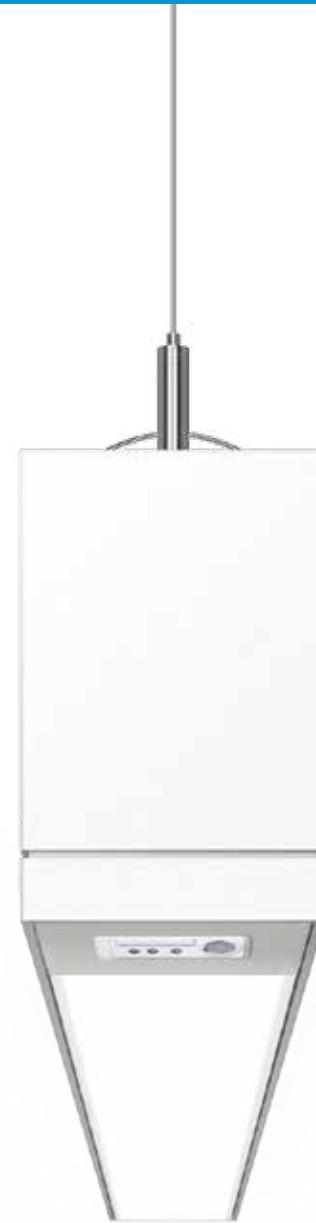
Philips SpaceWise DT, featuring dwell time functionality, is a flexible intuitive controls solution for hassle-free energy savings and code compliance.

Granular dimming provides lighting when and where it is needed and facilitates occupant comfort through fade up or fade down instead of instant on/off.



SpaceWise wireless technology DT 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.

See the product order guides at the back of this brochure, or TruGroove product specification sheets at philips.com/TruGroove, to confirm which versions offer SpaceWise DT.







new

TruGroove recessed micro 1.75"

Recessed direct

<i>Lumen Package*</i>	2200lm
<i>Efficacy</i>	104 LPW
<i>Light Level</i>	28 fc (hallway) 37 fc (main space)
<i>Max/Min Workplane**</i>	1.15 (hallway) 1.80 (main space)
<i>Energy Density</i>	0.42 W/ft ²

Room: 80'L x 25'W x 9'H (hallway), 11'H (main space)

Based on 4000K color temperature.

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



TruGroove recessed micro delivers the perfect combination of slender aesthetic and lighting control, creating luminous environments with smooth gradients of light.



TruGroove recessed 3"

Recessed direct

<i>Lumen Package*</i>	1500lm
<i>Efficacy</i>	107 LPW
<i>Light Level</i>	30 fc (main space) 41 fc (reception)
<i>Max/Min Workplane**</i>	1.39 (main space) 1.76 (reception)
<i>Energy Density</i>	0.36 W/ft ²

Room: 60'L x 54'W x 9'H

Based on 4000K color temperature.

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



Space-defining TruGroove recessed with corners helps create a modern functional illuminated design full of movement and sustainable elegance.



TruGroove perimeter

Perimeter ambient

<i>Lumen Package*</i>	1400 lm/4ft
<i>Power & Color Temp</i>	13.1 W/4ft, 4000K
<i>Efficacy</i>	112 LPW
<i>Light Level Wall**</i>	31 fc
<i>Light Level Workplane**</i>	37 fc
<i>Light Level Floor**</i>	33 fc
<i>Max/Min Workplane**</i>	1.3
<i>Max/Min Floor**</i>	1.3
<i>Energy Density</i>	0.82 W/ft ²

Room: 60'L x 8'W x 9.5'H

* Nominal value/4ft luminaire. ** Excludes outer edges of space, LLF 0.85.

Ambient

TruGroove perimeter ambient delivers a gentle glow to the walls of the room and general work plane or floor illumination. MesoOptics® technology softens and controls stray light, particularly at the ends and corners. This minimizes hot spots and delivers efficacies up to 115 LPW.

Graze

TruGroove perimeter graze provides a tightly focused beam of light down the entire face of a textured wall, creating a dramatic lighting feature with industry leading efficacies up to 113 LPW and a top to bottom uniformity of 8:1 on a 9ft wall.



TruGroove suspended

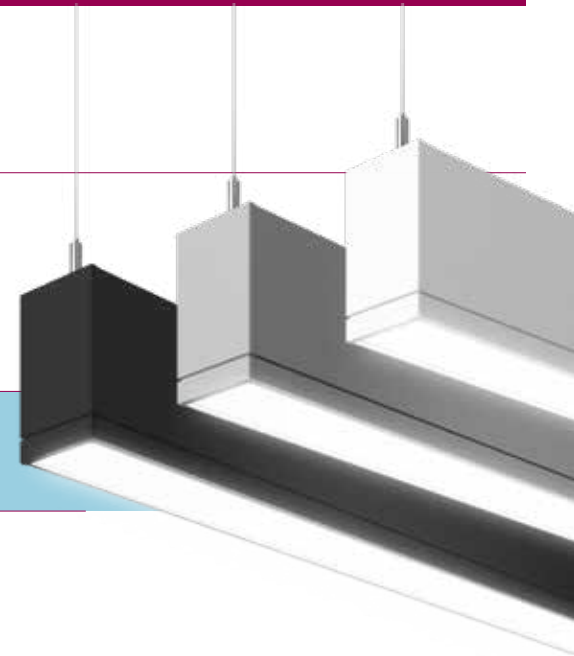
Suspended direct

<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

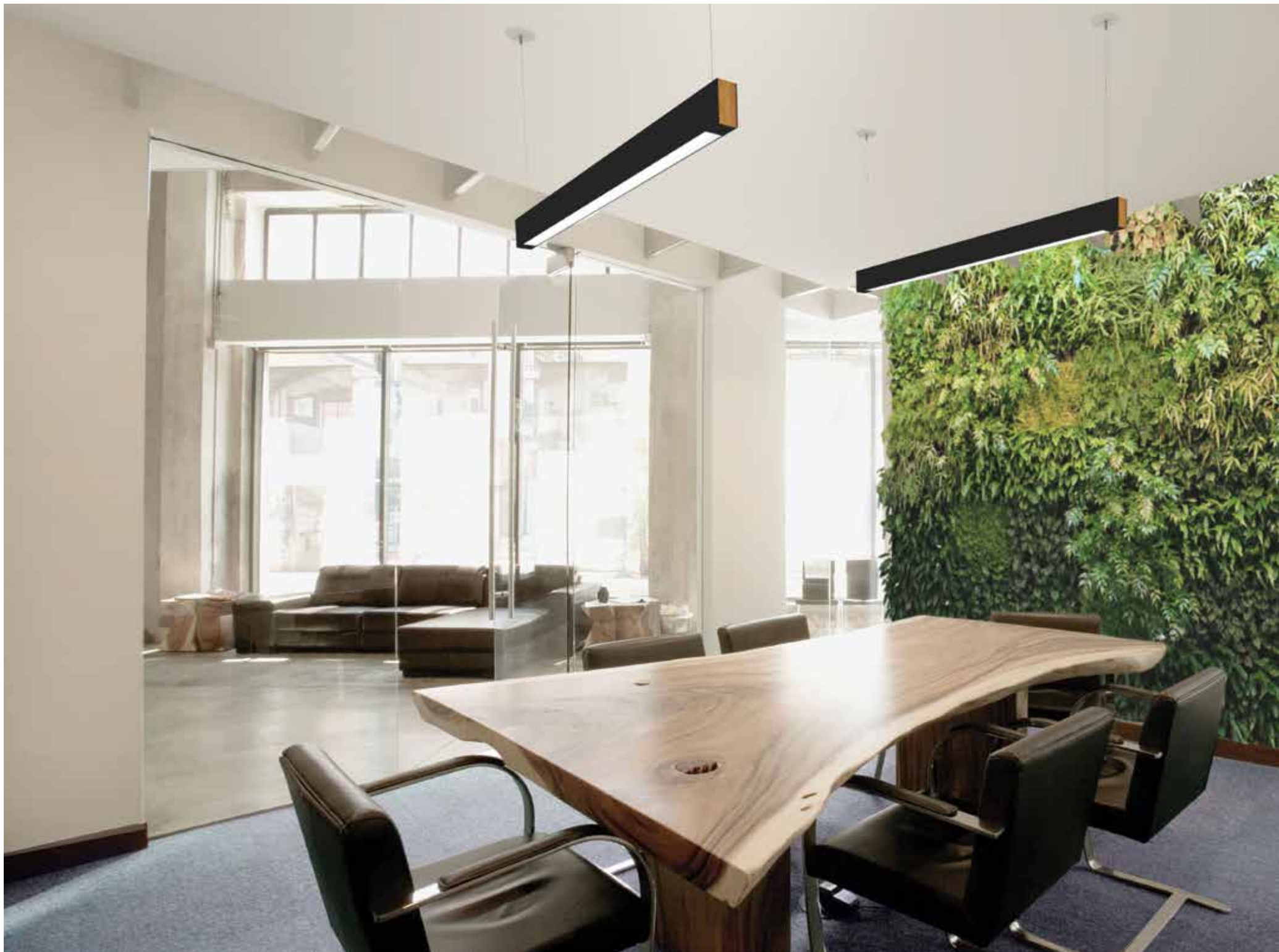
Room: 20'Lx12'Wx9'H

Based on 3500K color temperature.

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



The MesoOptics DX technology in direct TruGroove suspended luminaires creates a visually comfortable environment while illuminated TruGroove corners provide design inspiration through geometric patterns.





MicroSquare suspended 1.75"

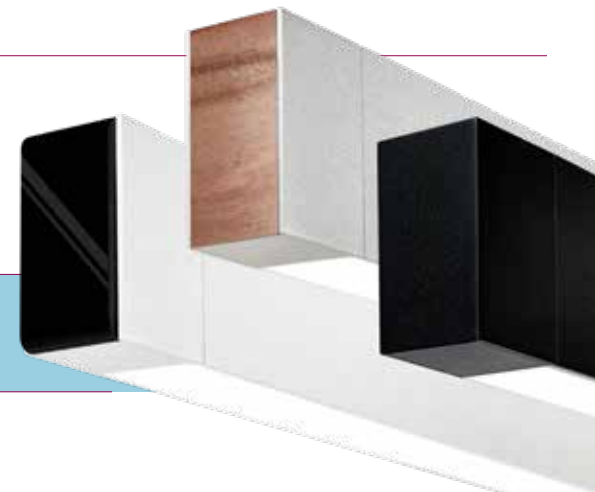
Suspended indirect/direct

<i>Lumen Package*</i>	4700lm (70% up, 30% down)
<i>Efficacy</i>	122 LPW
<i>Light Level</i>	25 fc
<i>Max/Min Workplane**</i>	3.7
<i>Energy Density</i>	0.36 W/ft ²

Room: 16'L x 20'W x 9'H

Based on 3500K color temperature.

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



With its outstanding performance, this close cousin to TruGroove is ideal for applications where a smaller suspended profile is desired. Sleek new endcap options allow designers to tailor lighting to contemporary spaces.



TruGroove surface

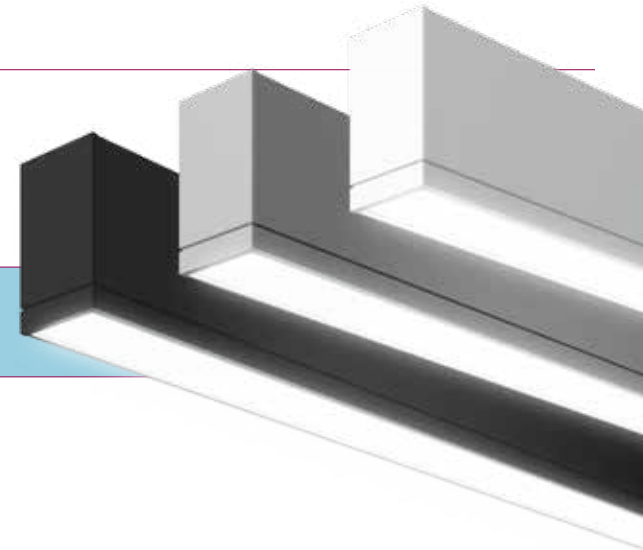
Surface mount direct

<i>Lumen Package*</i>	2300lm
<i>Efficacy</i>	98 LPW
<i>Light Level</i>	44 fc
<i>Max/Min Workplane**</i>	1.9
<i>Energy Density</i>	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.



Drive your lighting performance beyond the edge with TruGroove surface. The engineered batwing distribution gives you exceptional control so you can create balanced, luminous spaces using fewer luminaires. MesoOptics DX technology delivers higher efficacies and reduced energy densities.



TruGroove wall

Wall indirect/direct

<i>Lumen Package*</i>	4600lm (70% up, 30% down)
<i>Efficacy</i>	105 LPW
<i>Light Level</i>	42 fc
<i>Max/Min Workplane**</i>	5.4
<i>Energy Density</i>	0.52 W/ft ²

Room: 30'L x 30'W x 8.5'H

Based on 4000K color temperature.

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

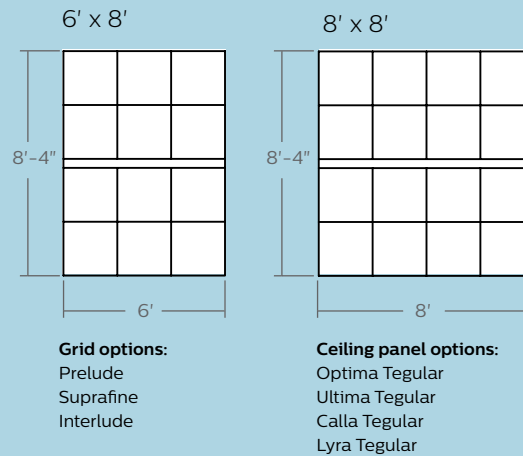
Smooth, balanced light washes down the wall and illuminates the ceiling; creating a relaxing social environment from an asymmetric indirect/direct TruGroove wall luminaire.



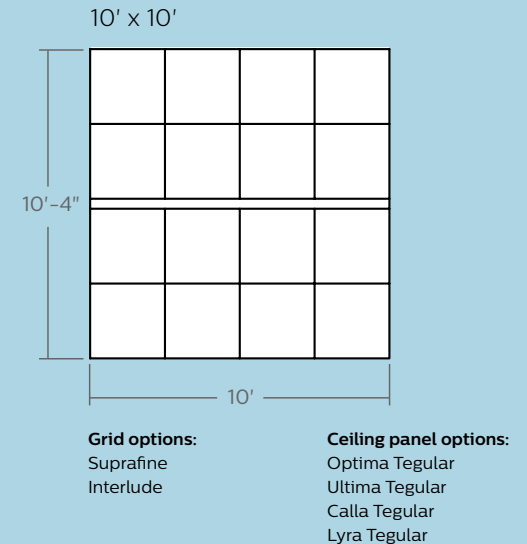


Armstrong Formations™ Cloud shapes & sizes

2' x 2' Panels



30" x 30" Panels



All clouds have a 4in wide opening in the center specifically designed for the integration of a Philips Ledalite TruGroove luminaire.

Clouds must be ordered separately from TruGroove luminaires. Armstrong customer service is available to help with your project from start to finish. To order Armstrong Formations Clouds, call 1-800-840-8521.

TruGroove recessed micro • 1.75"

Product		Distribution	Light Source*			Optics	Body			Electrical			Options
Family	Version	Performance	Source	CRI & Color Temp	Lumen Package	Performance	Housing	Ceiling/Trim	Run Length	Wiring**	Voltage	Driver***	Controls
23 TruGroove recessed micro	0 Straight Run or 90° Pattern ±	1 Symmetric 8 Asymmetric	L LED	A CRI>80 4000K B CRI>80 3500K C CRI>80 3000K S CRI>90 3500K	E 3100 lm/4ft G 2200 lm/4ft K 1500 lm/4ft M 1000 lm/4ft	MesoOptics Lens Q Flush	S Standard C Chicago	1 T-Grid 3 Drywall Trimless 4 Drywall Trim	02 2ft 03 3ft 04 4ft 05 5ft 06 6ft 08 8ft XX Total run length†	7 1 cct w/Dimming M 1 cct w/Dimming + EM Wiring N 1 cct w/Dimming + EM Battery Pack	1 120V 2 277V 3 347V	E Philips Advance 0-10V (1% Dim) S Philips Advance SR (5% Dim)	DS Response Daylight Sensor SZ SpaceWise DT Occupancy & Daylight Sensor

TruGroove recessed • 3"

Product		Distribution	Light Source*			Optics	Body			Electrical			Options
Family	Version	Performance	Source	CRI & Color Temp	Lumen Package	Performance	Housing	Ceiling / Trim	Run Length	Wiring**	Voltage	Driver***	Controls
39 TruGroove recessed	0 Straight Run or 90° Pattern ±	1 Symmetric 8 Asymmetric	L LED	A CRI>80 4000K B CRI>80 3500K C CRI>80 3000K	D 4000lm/4ft E 3000 lm/4ft G 2200 lm/4ft K 1500 lm/4ft	MesoOptics Lens Q Flush R Regressed† (*Symmetric Only)	S Standard C Chicago	1 T-Grid 3 Drywall Trimless 4 Drywall Trim	02 2ft 03 3ft 04 4ft 05 5ft 06 6ft 08 8ft XX Total Run Length†	7 1 cct w/Dimming M 1 cct w/Dimming + EM Wiring N 1 cct w/Dimming + EM Battery Pack	1 120V 2 277V 3 347V	E Philips Advance 0-10V (1% Dim) S Philips Advance SR (5% Dim)	DS Response Daylight Sensor SZ SpaceWise DT Occupancy & Daylight Sensor
		Definition											
		0 Symmetric				Silk Lens L Flush M Regressed							

TruGroove perimeter

Product			Light Source*			Optics	Body			Electrical			
Family	Version	Distribution	Source	CRI & Color Temp	Lumen Package		Housing	Ceiling/Trim	Run Length	Wiring**	Voltage	Driver***	
49 TruGroove perimeter	0 Straight Run or 90° Pattern±	8 Ambient	L LED	A CRI>80 4000K B CRI>80 3500K C CRI>80 3000K	D 4100 lm/4ft E 3000 lm/4ft G 2100 lm/4ft K 1400 lm/4ft	Q Flush Meso-Optics Lens P Reverse Parabolic Optic w/Flush Lens	S Standard C Chicago	N All Ceiling Trims²	02 2ft C2 2.5ft 03 3ft C3 3.5ft 04 4ft 05 5ft 06 6ft 08 8ft XX Total Run Length†	7 1 cct w/Dimming M 1 cct w/Dimming + EM Wiring N 1 cct w/Dimming + EM Battery Pack 7 1 cct Dimming	1 120V 2 277V 3 347V	E Philips Advance 0-10V (1% Dim)	
		9 Graze											

Slot & Ceiling Trim²

End Set - Left	End Set - Right	Slot Height	Slot Panel	Ceiling Trim
S Fixed/Pocket End C Variable/Wall End	S Fixed/Pocket End C Variable/Wall End	2 1.75" 4 4"	S Standard Solid A Air Return	1 T-Grid 3 Drywall Trimless 4 Drywall Trim
			Note: Air return only available with T-Grid 4" slot	

MicroSquare gen2 suspended, surface & wall • 1.75"

Product		Distribution	Light Source*			Optics	Body	Electrical			Finish	Endcaps
Family	Mounting		Source	CRI & Color Temp	Lumen Package		Run Length	Wiring**	Voltage	Driver***		
22 MicroSquare gen2 suspended, surface & wall	0 Suspended 1 Surface Mount 2 Wall Mount	1 Direct	L LED	A CRI>80 4000K B CRI>80 3500K C CRI>80 3000K	G 2600 lm/4ft K 1300 lm/4ft	LN Flush silk lens	04 4ft 06 6ft 08 8ft XX Total Run Length in 2ft Increments	7 1 cct w/Dimming G 2 cct Dimming (Up/Down) M 1 cct Dimming + EM Wiring	1 120V 2 277V 3 347V	E Philips Advance 0-10V (1% Dim)	W White T Titanium B Black C Custom	SC Solid Cube (standard) SB Sculpted Black Acrylic FM Flush Maple
		3 Indirect [†] [†] Suspended Mount Only			C 4700 lm/4ft E 3400 lm/4ft	NQ Symmetric wide-throw lens						
		5 Indirect/Direct			B 5900 lm/4ft (75% up) C 4700 lm/4ft (70% up) E 3100 lm/4ft (55% up)	LQ Flush silk lens down / symmetric wide-throw lens up						
		6 Direct/Indirect			B 5900 lm/4ft (45% down) C 4300 lm/4ft (60% down) E 3300 lm/4ft (75% down)	LW Flush silk lens down / asymmetric wide-throw lens up						

TruGroove suspended, surface & wall • 3"

Product		Distribution	Light Source*			Optics	Body	Electrical			Finish	Options
Family	Mounting		Source	CRI & Color Temp	Lumen Package		Run Length	Wiring**	Voltage	Driver***		Controls
29 TruGroove suspended, surface & wall	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 G 2300 lm/4ft K 1500 lm/4ft	QN Symmetric MesoOptics Lens WN Asymmetric MesoOptics Lens	04 4ft 06 6ft 08 8ft A4 2x2ft Corner XX Total Run Length in 2ft increments	7 1 cct w/Dimming G 2 cct Dimming (Up/Down) M 1 cct Dimming + EM Wiring N 1 cct Dimming w/Battery Pack	1 120V 2 277V 3 347V	E Philips Advance 0-10V (1% Dim) S Philips Advance SR (5% Dim)	W White T Titanium B Black C Custom	DS Response Daylight Sensor SZ SpaceWise DT Occupancy & Daylight Sensor
		3 Indirect			C 4800 lm/4ft E 3200 lm/4ft	NQ Symmetric Performance Lens NW Asymmetric Performance Lens						
		5 Indirect/Direct			B 5200 lm/4ft (60% Up) C 4600 lm/4ft (70% Up) D 3500 lm/4ft (60% Up)	QQ Symmetric MesoOptics Lens Down/Performance Lens Up WW Asymmetric MesoOptics Lens Down/Performance Lens Up						
		6 Direct/Indirect			B 5200 lm/4ft (60% Down) C 4600 lm/4ft (70% Down) D 3500 lm/4ft (60% Down)							

† Continuous symmetric available in 1/8in increments from 6ft, (continuous asymmetric available in 1ft increments).

* Nominal values within a range. Consult IES file for exact color temp, lumen output and distribution.

** Ask your Philips representative about other available wiring options.

*** Consult your Philips representative for other supported drivers.

‡ For corners and patterns, please provide detailed sketches highlighting number and type of corner(s).
Some options may not be available, for complex configurations please consult your Philips representative.



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