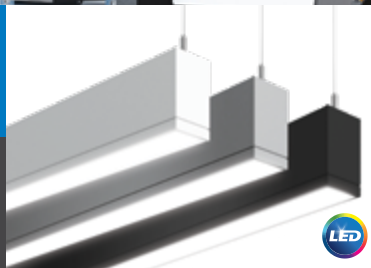




by @signify

Linear

TruGroove



The entire family,  
all under one roof

# Welcome to the TruGroove world

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







# Refined design for distinctive spaces

2

11

12

6

15

16

13

14

# Innovative optics

## Freeform Elliptical Optic

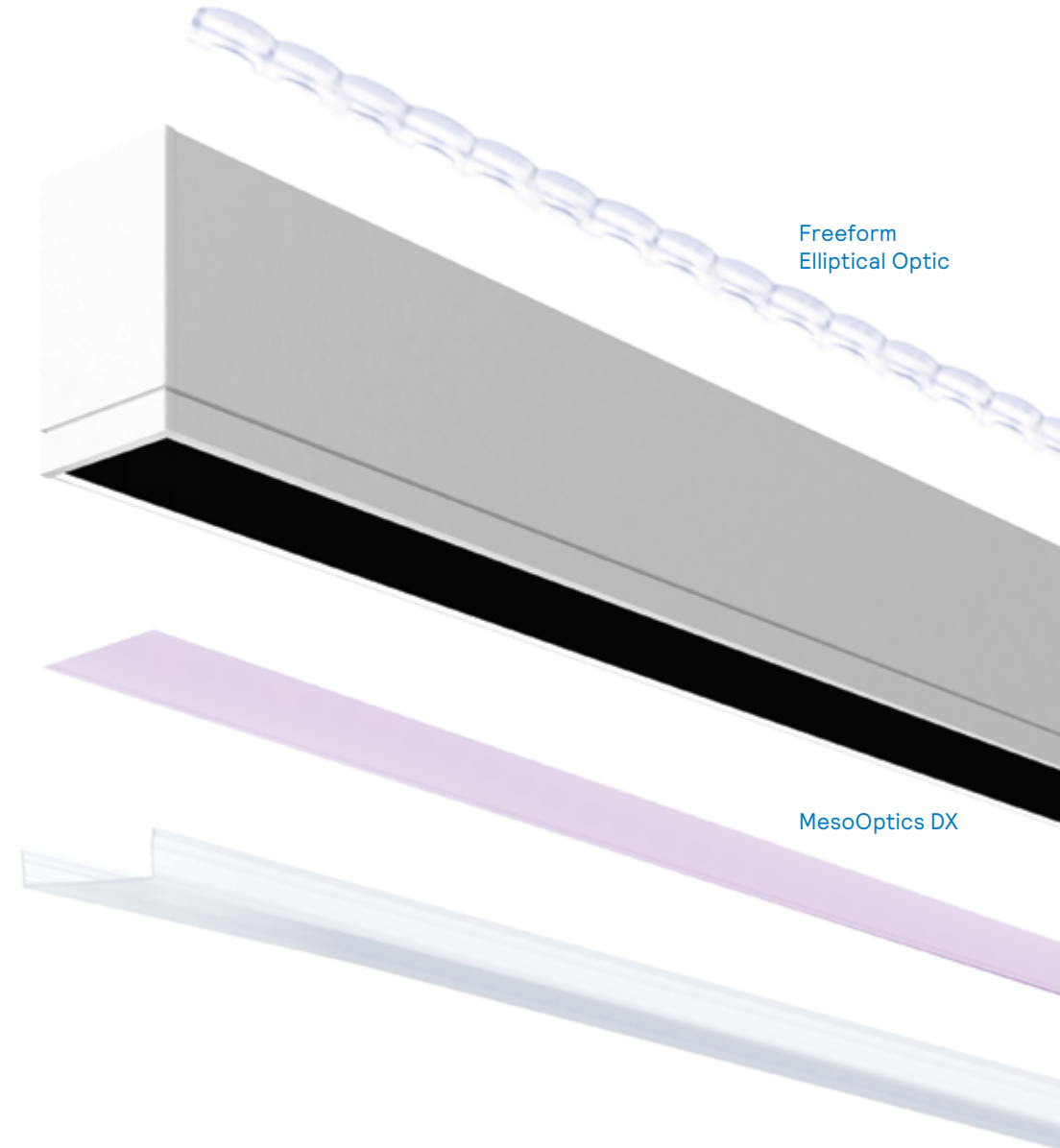
For the upper hemisphere, Ledalite has developed an all-new Freeform Elliptical lens optic for linear luminaires. The lens takes light from a central strip of LEDs facing upwards and redirects

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, 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.





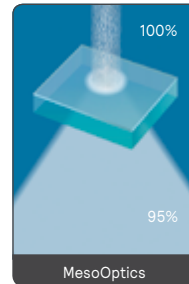
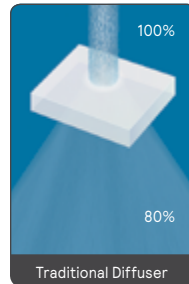
# It's all about control

## 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.

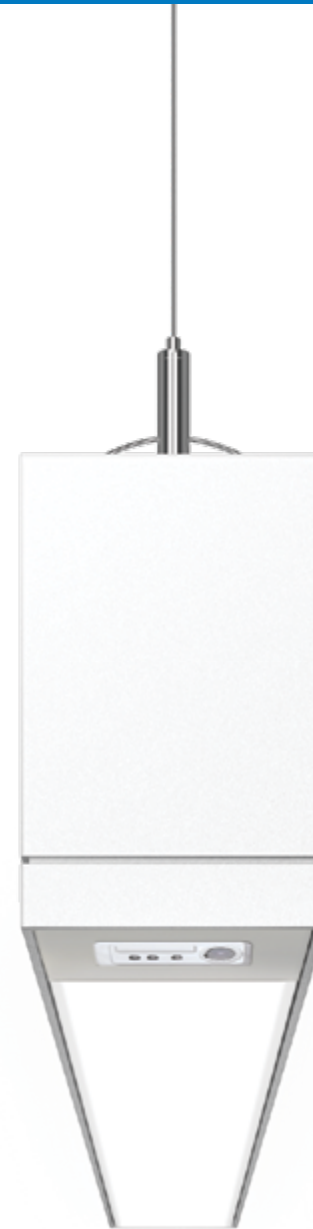
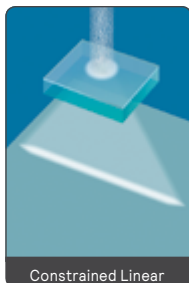


### Sustain

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.



## SpaceWise DT

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

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 [ledalite.com](http://ledalite.com), to confirm which versions offer SpaceWise DT.







# TruGroove shapes

# new



2'x2' Cross



1'x1' Square



1'x4' Rectangle



4'x4' Cross



2'x2' Square



2'x4' Rectangle

Complimentary shapes – perfect match to any design looking to make a statement with uniformity consistency and quality





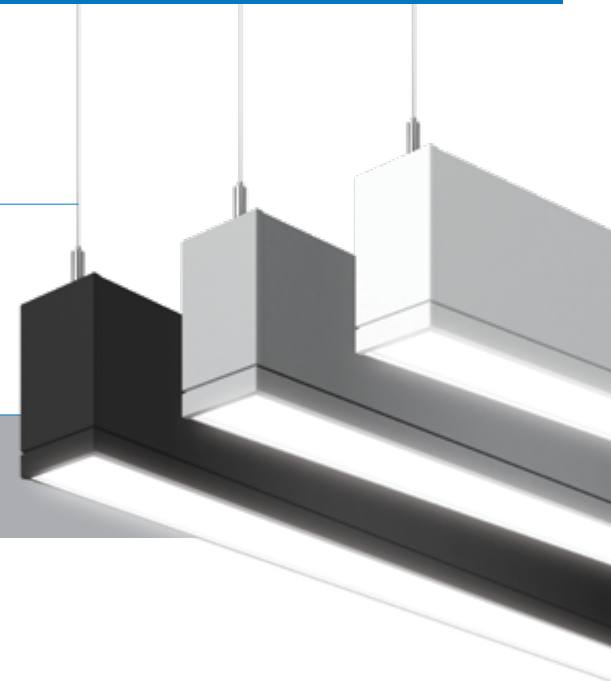


# TruGroove suspended

## Suspended direct

Lumen Package*	1500lm
Efficacy	106 LPW
Light Level	33 fc
Max/Min Workplane**	1.4
Energy Density	0.44 W/ft <sup>2</sup>

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.









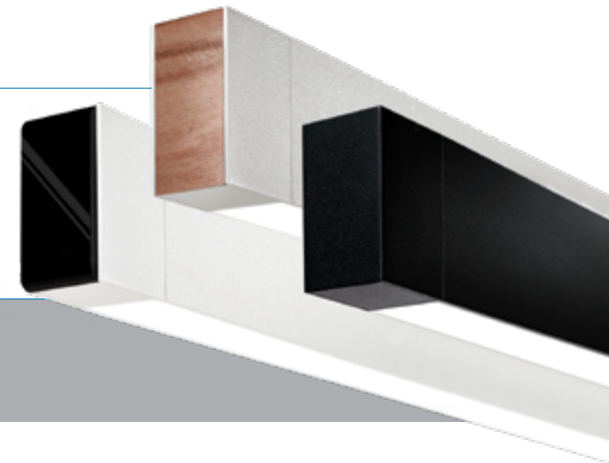
# MicroSquare suspended 1.75"

## Suspended indirect/direct

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

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.



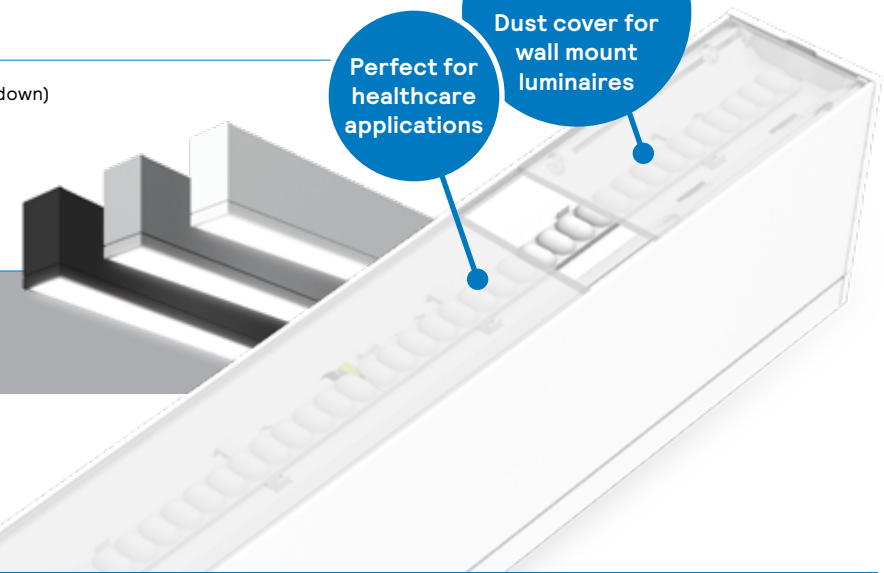


# TruGroove wall

## Wall indirect/direct

Lumen Package*	4600lm (70% up, 30% down)
Efficacy	124 LPW
Light Level	42 fc
Max/Min Workplane**	5.4
Energy Density	0.44 W/ft <sup>2</sup>

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 with a dust cover.







# TruGroove recessed 3"

### Recessed direct

Lumen Package*	1500lm
Efficacy	107 LPW
Light Level	30 fc (main space) 41 fc (reception)
Max/Min Workplane**	1.39 (main space) 1.76 (reception)
Energy Density	0.36 W/ft2

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 recessed micro 1.75"

## Recessed direct

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

Room: 80'L x 25'W x 9'H (hallway), 11'H (main space)  
Based on 4000K color temperature.

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

1.75"  
aperture

actual size

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



# TruGroove perimeter

## Perimeter ambient

Lumen Package*	1400 lm/4ft
Power & Color Temp	13.1 W/4ft, 4000K
Efficacy	112 LPW
Light Level Wall**	31 fc
Light Level Workplane**	37 fc
Light Level Floor**	33 fc
Max/Min Workplane**	1.3
Max/Min Floor**	1.3
Energy Density	0.82 W/ft2

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.





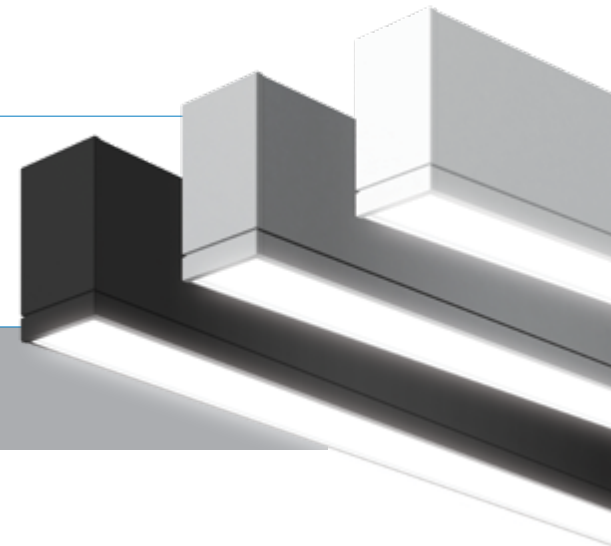


# TruGroove surface

## Surface mount direct

Lumen Package*	2200lm
Efficacy	109 LPW
Light Level	44 fc
Max/Min Workplane**	1.9
Energy Density	0.46 W/ft <sup>2</sup>

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.





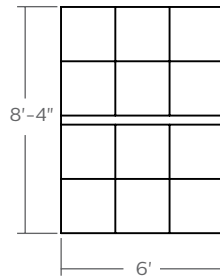




# Armstrong Formations™ Cloud shapes & sizes

## 2' x 2' Panels

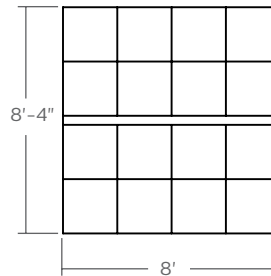
6' x 8'



**Grid options:**

- Prelude
- Suprafine
- Interlude

8' x 8'

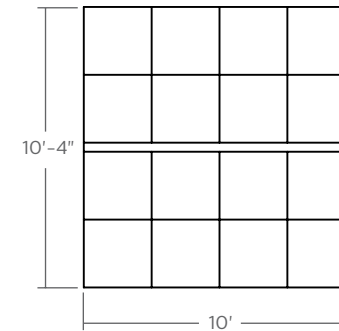


**Ceiling panel options:**

- Optima Tegular
- Ultima Tegular
- Calla Tegular
- Lyra Tegular

## 30" x 30" Panels

10' x 10'



**Grid options:**

- Suprafine
- Interlude

**Ceiling panel options:**

- Optima Tegular
- Ultima Tegular
- Calla Tegular
- Lyra Tegular

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

# Ordering guide

## TruGroove recessed micro • 1.75"

Product		Distribution	Light Source <sup>2</sup>			Optics	Body			Electrical			Options
Family	Version	Performance	Source	CRI / Color Temp	Lumens Pkg	Performance	Housing	Ceiling/Trim	Run Length	Wiring <sup>4</sup>	Voltage	Driver <sup>5</sup>	Controls
23 TruGroove recessed, micro	0 Straight Run or 90° Pattern <sup>1</sup>	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	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 <sup>3</sup>	7 1 cct w/Dimming M 1 cct w/Dimming + Aux. Wiring N 1 cct w/Dimming + Battery Pack	D UNV (120-277V) 3 347V	E Advance 0-10V (1% Dim) S Advance Sensor Ready (5% Dim)	SZ SpaceWise DT
						Q Flush							

## TruGroove recessed • 3"

Product		Distribution	Light Source <sup>2</sup>			Optics	Body			Electrical			Options
Family	Version	Performance	Source	CRI / Color Temp	Lumens Pkg	Performance	Housing	Ceiling/Trim	Run Length	Wiring <sup>4</sup>	Voltage	Driver <sup>5</sup>	Controls
39 TruGroove recessed	0 Straight Run or 90° Pattern <sup>1</sup>	1 Symmetric 8 Asymmetric	L LED	A CRI>80 / 4000K B CRI>80 / 3500K C CRI>80 / 3000K	D 4000lm/4ft E 3000lm/4ft G 2200lm/4ft K 1500lm/4ft	MesoOptics Lens	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 <sup>3</sup>	7 1 cct w/Dimming M 1 cct w/Dimming + Aux. Wiring N 1 cct w/Dimming + Battery Pack	D UNV (120-277V) 3 347V	E Advance 0-10V (1% Dim) S Advance Sensor Ready (5% Dim)	SZ SpaceWise DT
						Q Flush R Regressed (symmetric only)							
						Definition							
		0 Symmetric				Silk Lens							
						L Flush M Regressed							



- 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 Signify representative.
- Consult photometry data for CRI, color temp, lumens & distribution of chosen configuration (nominal values within a range.).
- Continuous symmetric available in 1/8in increments from 6ft (continuous asymmetric available in 1ft increments).
- Consult Signify representative for a complete list of available options (not all wiring types are available with all configurations).
- Consult Signify representative for other supported drivers.
- The 2ft x 2ft Cross and 1ft x 1ft Square sizes are not available with the following options: 4000 lm/4ft (2901), 6800 lm/4ft (2905 and 2906), and 5200 lm/4ft or 4600 lm/4ft with 90CRI boards (2905 only).
- The 1ft x 2ft and 2ft x 4ft Rectangles are not available with 6800 lm/4ft lumen packages with 90CRI boards.



## TruGroove suspended, shapes • 3"

Product		Dist.	Light Source <sup>2</sup>			Optics	Body	Electrical			Options		
Family	Mounting	Perform.	Source	CRI / Color Temp	Lumens Pkg	Performance	Run Length	Wiring <sup>4</sup>	Voltage	Driver <sup>5</sup>	Finish		
29 TruGroove suspended, shapes	0 Suspended	1 Direct	L LED	A CRI>80 / 4000K B CRI>80 / 3500K C CRI>80 / 3000K S CRI>90 / 3500K	D 4000 lm/4ft E 3000 lm/4ft G 2200 lm/4ft K 1500 lm/4ft	LN Flush Silk Lens	S1 1 x 1ft Square <sup>6</sup> S2 2 x 2ft Square E2 2 x 2ft Cross <sup>6</sup> E4 4 x 4ft Cross R1 1 x 2ft Rectangle <sup>7</sup> R2 2 x 4ft Rectangle <sup>7</sup>	7 1 cct w/Dimming M 1 cct w/Dimming + Aux. Wiring N 1 cct w/Dimming + Battery Pack	D UNV 120-277V 3 347V	E Advance 0-10V (1% Dim)	W White T Titanium B Black C Custom		
		5 Indirect /Direct										A 6800 lm/4ft (70% Up) B 5200 lm/4ft (60% Up) C 4600 lm/4ft (70% Up) D 3500 lm/4ft (60% Up)	LQ Flush Silk Lens dn & Symmetric Performance Lens up
		6 Direct /Indirect										A 6800 lm/4ft (60% Down) B 5200 lm/4ft (60% Down) C 4600 lm/4ft (70% Down) D 3500 lm/4ft (60% Down)	

## TruGroove suspended, surface & wall • 3"

Product		Dist.	Light Source <sup>2</sup>			Optics	Body	Electrical			Options		
Family	Mounting	Perform.	Source	CRI / Color Temp	Lumens Pkg	Performance	Run Length	Wiring <sup>4</sup>	Voltage	Driver <sup>5</sup>	Finish	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 S CRI>90 / 3500K	D 4000 lm/4ft E 3000 lm/4ft G 2200 lm/4ft K 1500 lm/4ft	QN Symmetric MesoOptics Lens WN Asymmetric MesoOptics Lens LN Flush Silk Lens	O2 2ft O4 4ft O6 6ft O8 8ft A4 2 x 2ft Corner XX Total Run Length in 2ft increments	7 1 cct w/Dimming M 1 cct w/Dimming + Aux. Wiring N 1 cct w/Dimming + Battery Pack G 2 cct w/Dimming (Up/Down) K 2 cct w/ Dimming (Up/Down) + Aux. Wiring L 2 cct w/ Dimming (Up/Down) + Battery Pack	D UNV (120-277V) 3 347V	E Advance 0-10V (1% Dim) S Advance Sensor Ready (5% Dim)	W White T Titanium B Black C Custom	SZ SpaceWise DT	
		3 Indirect											C 4800 lm/4ft E 3200 lm/4ft
		5 Indirect /Direct				A 6800 lm/4ft (70% Up) B 5200 lm/4ft (60% Up) C 4600 lm/4ft (70% Up) D 3500 lm/4ft (60% Up)							LQ Flush Silk Lens dn & Symmetric Performance Lens up QQ Symmetric MesoOptics Lens dn & Symmetric Performance Lens up
		6 Direct /Indirect				A 6800 lm/4ft (60% Down) B 5200 lm/4ft (60% Down) C 4600 lm/4ft (70% Down) D 3500 lm/4ft (60% Down)							WW Asymmetric MesoOptics Lens dn & Asymmetric Performance Lens up

TruGroove  
Suspended Cross



TruGroove  
Suspended Square & Rectangle



TruGroove  
Suspended



TruGroove  
Surface & Wall



# Ordering guide

## TruGroove perimeter

Product		Distribution	Light Source <sup>2</sup>			Optics	Body			Electrical		
Family	Version	Performance	Source	CRI / Color Temp	Lumens Pkg	Performance	Housing	Ceiling/Trim	Run Length	Wiring <sup>4</sup>	Voltage	Driver <sup>5</sup>
49 TruGroove perimeter	0 Straight Run or 90° Pattern <sup>1</sup>	8 Ambient	L LED	A CRI>80 / 4000K B CRI>80 / 3500K C CRI>80 / 3000K	D 4100lm/4ft E 3000lm/4ft G 2100lm/4ft K 1400lm/4ft	MesoOptics Lens Q Flush	S Standard C Chicago	N All Ceiling Trims <sup>6</sup>	02 2ft C2 2.5ft 03 3ft C3 3.5ft 04 4ft 05 5ft 06 6ft 08 8ft XX Total run length <sup>3</sup>	7 1 cct w/Dimming M 1 cct w/Dimming + Aux. Wiring N 1 cct w/Dimming + Battery Pack	D UNV (120-277V) 3 347V	E Advance 0-10V (1% Dim)
		9 Graze				P Reverse Parabolic Optic w/Flush Lens				7 1 cct Dimming		
Slot & Ceiling Trim												
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 (only available with T-Grid 4" slot)		1 T-Grid 3 Drywall Trimless 4 Drywall Trim					



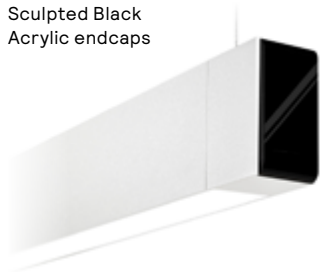
1. For corners and patterns, please provide detailed sketches highlighting number and type of corner(s). Some options may not be available, for complex configurations please consult your Signify representative.
2. Consult photometry data for CRI, color temp, lumens & distribution of chosen configuration (nominal values within a range.).
3. Continuous symmetric available in 1/8in increments from 6ft (continuous asymmetric available in 1ft increments).
4. Consult Signify representative for a complete list of available options (not all wiring types are available with all configurations).
5. Consult Signify representative for other supported drivers.



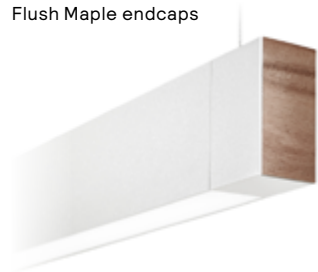
## MicroSquare gen2 suspended, surface & wall • 1.75"

Product		Dist.	Light Source <sup>2</sup>			Optics	Body	Electrical			Options	
Family	Mounting	Perform.	Source	CRI / Color Temp	Lumens Pkg	Performance	Run Length	Wiring <sup>4</sup>	Voltage	Driver <sup>5</sup>	Finish	Endcaps
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 + Aux. Wiring M 2cct w/ Dimming (Up/Down) + Aux. Wiring G 2 cct w/Dimming (Up/Down) K 2cct Dimming + Aux. Wiring	D UNV (120-277V) 3 347V	E 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 Performance Lens						
		5 Indirect /Direct			B 5900 lm/4ft (75% Up) C 4700 lm/4ft (70% Up) D 3100 lm/4ft (55% Up)	LQ Flush Silk Lens dn & Symmetric wide-throw Lens up LW Flush Silk Lens dn & Asymmetric wide-throw Lens up						
		6 Direct /Indirect			B 5900 lm/4ft (45% Down) C 4300 lm/4ft (60% Down) D 3300 lm/4ft (75% Down)							

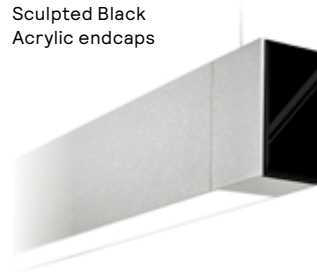
**MicroSquare**  
White finish with Sculpted Black Acrylic endcaps



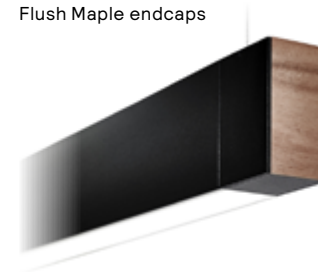
**MicroSquare**  
White finish with Flush Maple endcaps



**MicroSquare**  
Titanium finish with Sculpted Black Acrylic endcaps



**MicroSquare**  
Black finish with Flush Maple endcaps



**MicroSquare**  
Black finish with Solid Cube Black endcaps

