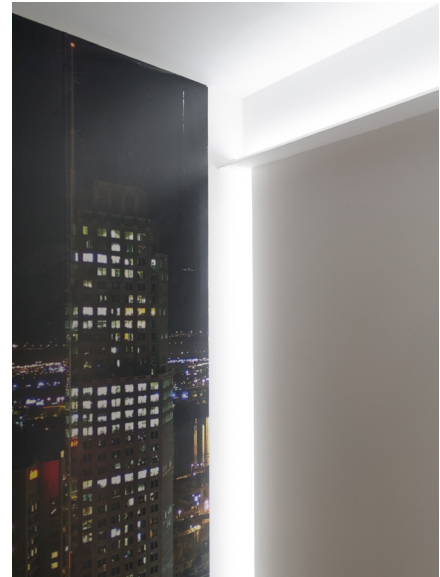
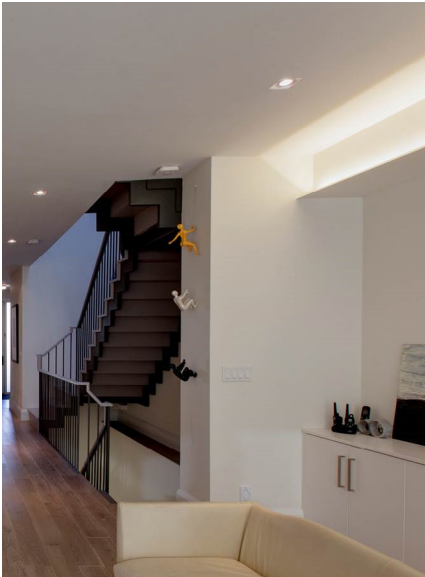




Innovative Construction Solutions
for Indoor Linear LED Lighting
SNEAK PEEK 2016/Q4



About LUMEN TRUSS



Here is a sneak peek at the **LUMEN TRUSS** range of profiles for architectural LED lighting. Through time, we have created many new extrusions and accessories to suit your very needs. Here, you will discover some innovative wall construction and LED lighting solutions.

Our LED profiles are easily installed and are perfect for residential, commercial and industrial purposes. Made in Canada with 6063T-5 aluminum, our LED profiles can be used both indoors and outdoors, in dry or wet locations. They all meet the North-American woodworking standards. Our products are custom-made and available in sections up to 20 linear feet. They are suitable for any space and can be anodized or painted with the color of your choice to match your décor. These extrusions can be installed on a surface, recessed or even installed on a multitude of suspension lights.

Simple or sophisticated, cutting edge control systems are available to control the LUMEN TRUSS products that best suit your projects. Find out about our TFT dimmable drivers on electronic low-voltage dimmers allowing you to connect to different automation systems and controls in place. The uses of the LUMEN TRUSS range are literally limitless! We work daily to expand our range of profiles and accessories to meet all your needs.

Legend

Symbols used and their meaning



Made in in North America (plastic and aluminum components).



Certified by UL (Underwriters Laboratories) for Canada and the United States concerning North American safety and electrical standards governing this product.



Refers to the 6063 standard of 2.68 g/cm density used for architectural applications of the product.



Components recognized by UL (Underwriters Laboratories).



For wet and dry locations.



5 year warranty.



The LED strip can be inserted into a resistant and waterproof silicone sheath, giving it an IP68 grading.



Allows multiple LED strip positions to vary the illumination angle.



Designed to give a uniform light without hot spots with an opal lens and a strip of 120 LEDs per meter or more.



Sets of endcaps and brackets are also available with screws and bolts in stainless steel.



Standard finishing (anodized aluminum).



Choice of extra finishes available on special order (minimum quantities required, please ask one of our specialists).



For each of our Lumentruss luminaire that's made with recycled wood from Quebec, a tree will be planted. Help us help the environment!



All our products meet verified carbon standards while not having travelled more than 500 kilometers in their manufacturing process, thus promoting a sustainable development.

We are committed to meet 2020 global carbon emission reduction goals while promoting renewable energy projects. We care about climate change and global warming. Investing in renewable energy is necessary for future generations. We are in it together!



Warning

Important electrical notice

1. Use only certified class II components not exceeding 30V DC or 15V AC for installation in wet locations, and a maximum of 60V DC or 42.4V AC for installation in a dry or humid area.
2. Do not exceed 5 amps per circuit from 12VDC or 24VDC, for compliance with Class 2 standards of the American and Canadian electrical code.

Customize your lighting with our **complete range of lenses**



Clear

This basic lens is designed to maximize the light output.

- Addition of components to increase flexibility
- Increases CCT of 50-80 Degrees Kelvin
- UL Certification
- UV resistant
- Transmits 96.5% of the original light output from the LED source

Optiflex

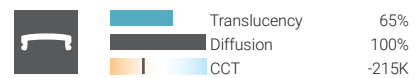
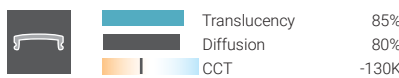
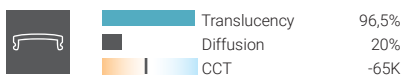
The frosted lens is developed for standard lighting, allowing an optimal light diffusion while maintaining high brightness.

- Addition of components to increase flexibility
- CCT reduction of 120-140 Degrees Kelvin
- UL Certification
- UV resistant
- Transmits 85% of the original light output from the LED source

Opal

A lens developed for thin profiles, allowing the elimination of the hot spots of the LED light source.

- Faded effect of the light source (minimum 120 LED per meter not the see the dots)
- CCT reduction of 190-240 Degrees Kelvin
- UL Certification
- UV Resistant
- Transmits 65% of the original light output from the LED source



CCT : Correlated Color Temperature



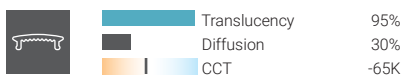
Without lens 



Spread

With its integrated prismatic grooves, this lens scatters the light and increases the beam angle to better light nearby objects.

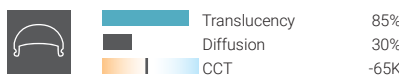
- Addition of components to increase flexibility
- CCT reduction of 50-80 Degrees Kelvin
- UL Certification
- UV resistant
- Transmits 95% of the original light output from the LED source



Focus

A converging lens that is designed to focus the light beam up to 10°, for targeted and focused lighting.

- Addition of components to increase flexibility
- CCT reduction of 50-80 Degrees Kelvin
- UL Certification
- UV resistant
- Focuses the light beam up to 10 degrees
- Transmits 85% of the original light output from the LED source



Volumetric

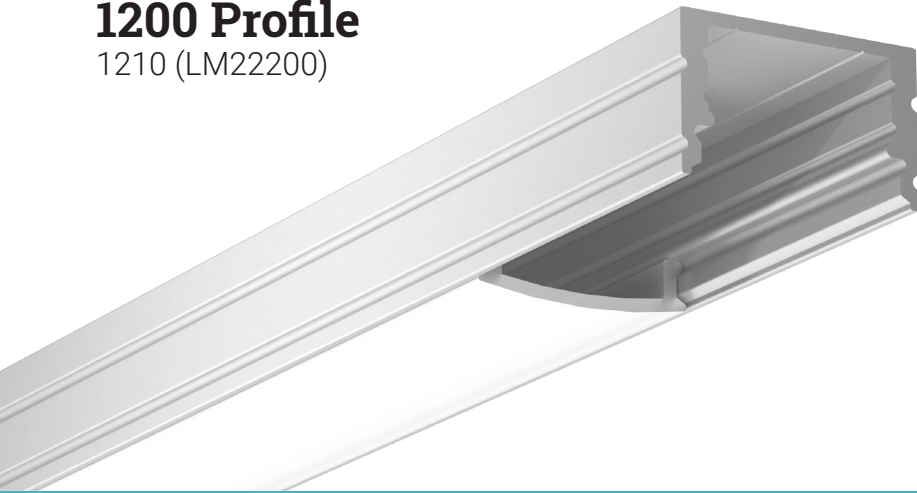
Many lenses are available in various volumetric forms and in transparent, opal or Optiflex materials, thus offering a greater creative freedom in the design of unique lighting fixtures.

- Faded effect of the light source (minimum 120 LED per meter not the see the dots)
- CCT reduction of 190-240 Degrees Kelvin
- UL Certification
- UV Resistant
- Transmits 65% of the original light output from the LED source



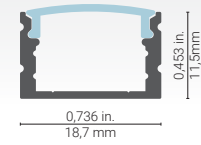
1200 Profile

1210 (LM22200)



1000 Series

Dimensional drawing



Lighting without hot spots! Here is a profile designed to ensure that the LED source is invisible*, offering uniform and soft lighting for the eyes. A compact and versatile luminaire that is extensively used in our larger Gypsum Series profiles.

Features

- Designed to give a uniform light without hot spots* with an opal lens and a strip of 120 LEDs per meter or more.
- Custom length by sections of 2 to 240 inches (6m).
- Application guide for 10mm (3/8-inch) LED strip or less.
- Designed to meet North-American woodworking standards.
- Made of ALCOA 6063 T-5 aluminum alloy increasing heat dissipation.
- Its use increases the lifetime of your LED strip.
- Compatible with several installation accessories.

Options



LED strip compatibility

Compatible with LED strips up to **14mm** wide.

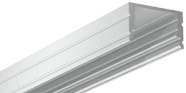
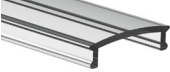



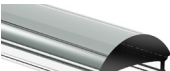
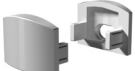




- B3528-xxV-60 - 8mm - 4.8W (95 lm/ft)
- B3528-xxV-120 - 8mm - 9.6W (220 lm/ft)
- B3528-xxV - 120H - 5mm - 9.6W (220 lm/ft)
- B3528-24V - 180H - 5mm - 14.4W (288 lm/ft)
- B3528-xxV-240 - 14mm - 19.5W (410 lm/ft)
- B5050-xxV-60 - 10mm - 14.4W (407 lm/ft)
- B5050-xxV-72 - 10mm - 17.8W (488 lm/ft)



1200 Profile

Components and accessories

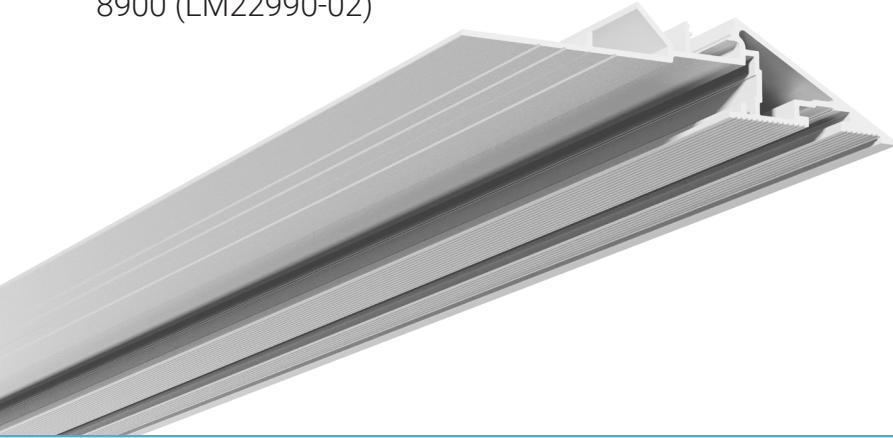
1000 Series

PROFILE	LENSES	ENDCAPS	BRACKETS	LENGTH
 <p>1200 Profile 1210 (LM22200)</p>	 <p>Standard, Clear 1269 (LM22298)</p>  <p>Standard, Spread 1265 (LM22294)</p>  <p>Standard, Optiflex 1261 (LM22290)</p>  <p>Standard, Opal 1263 (LM22292)</p>  <p>Standard, Focus 1267 (LM22296)</p>	 <p>Standard 1200 1270 (LM22300-05 WITHOUT HOLE) 1273 (LM22300-01 HOLE)</p>  <p>Focus 1200 1470 (LM22304-05 WITHOUT HOLE) 1473 (LM22304-01 HOLE)</p>	 <p>Flat bracket 1280 (LM22306)</p>  <p>45° bracket 1283 (LM22307)</p>  <p>Swivel Bracket 180° 1286 (LM22308)</p>	<p>Custom length by sections of 2 to 240 inches (6m).</p>



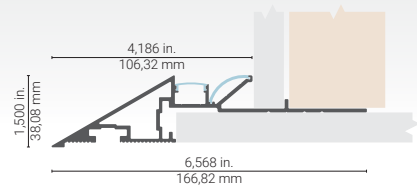
8900 Profile (KNIFE EDGE)

8900 (LM22990-02)



8000 Series

Dimensional drawing



An architectural **"Knife Edge"** profile, **ideal for creating cove and drop ceilings!** The 8900 is a simple and innovative profile for ceiling design without requiring bulky and hard-to-build wooden structures. In a seamless and easy installation, the profile is a direct fit for standard 5/8-inch drywall plasterboard, and will also accommodate 1/2-inch boards with 1/8" shims installed onsite. Its compact and sleek finish will create the Wow you're looking for. The profile can be used with or without lighting. Two channels under different angles allow you to incorporate the LED strips of your choice, to wash the wall and ceiling above, project light toward the center of the room, or both. The channels accept most 1000 and 2000 Series lenses, allowing you to fine tune lighting effects to perfection.

Options



LED strip compatibility

Compatible with LED strips up to **14mm** wide.

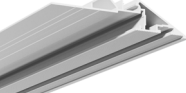
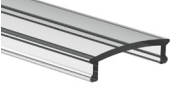
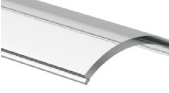





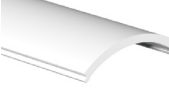


- B3528-xxV-60 - 8mm - 4.8W (95 lm/ft)
- B3528-xxV-120 - 8mm - 9.6W (220 lm/ft)
- B3528-xxV - 120H - 5mm - 9.6W (220 lm/ft)
- B3528-24V - 180H - 5mm - 14.4W (288 lm/ft)
- B3528-xxV-240 - 14mm - 19.5W (410 lm/ft)
- B5050-xxV-60 - 10mm - 14.4W (407 lm/ft)
- B5050-xxV-72 - 10mm - 17.8W (488 lm/ft)



8900 Profile (KNIFE EDGE)

Components and accessories

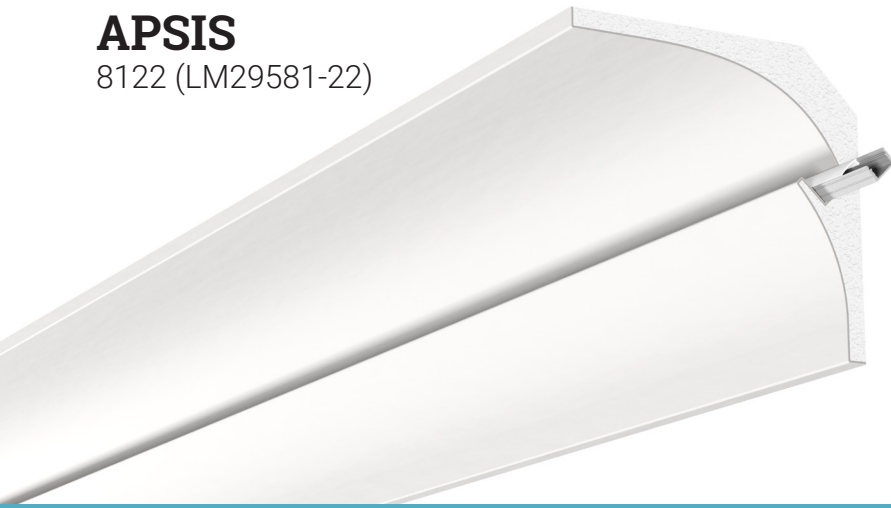
8000 Series

PROFILE	UP LENSES	AREA LIGHT LENSES	ACCESSORIES	LENGTH
 <p>8900 Profile 8900 (LM22990-02)</p>	 <p>1000 Standard, Clear 1269 (LM22298)</p>	 <p>2000 Round, Clear 2037 (LM22368)</p>	 <p>8900 Horiz. joiner straight (1324) 1324 (LM22335-02)</p>	<p>Custom length by sections of 6 to 120 inches (3m).</p>
 <p>1000 Standard, Optiflex 1261 (LM22290)</p>	 <p>2000 Round, Optiflex 2034 (LM22364)</p>	 <p>8900 Horiz. joiner 45° corner 1329 (LM22335-08)</p>		
 <p>1000 Standard, Opal 1263 (LM22292)</p>	 <p>2000 Round, Opal 2030 (LM22360)</p>	 <p>Horiz. joiner 90° corner 1337 (LM22335-04)</p>		
			 <p>Vert. joiner 90° corner 1338 (LM22335-09)</p>	



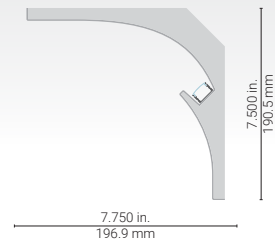
APSYS

8122 (LM29581-22)



Gypsum Series

Dimensional drawing



Smooth out those corners with a **rounded light extravaganza!** The APSIS will go into any corner, whether wall or ceiling, and level out flush with the 1/2in. gypsum panels. Prime and paint, fit in the aluminum LED profile with your choice of lens, and breathe a brand new life into your interior. As easy as it gets!

Options



Features

- Form made of architectural-grade extruded polystyrene foam for stiffness and a high R-factor, exterior surface enclosed in a fiberglass shell for rigidity, finished in white plaster that is primable and paintable like a regular gypsum panel wall
- Flush installation with standard 1/2in. gypsum panels, or level with drywall mud to match seamlessly with 5/8in. panels
- Direct fit for the 1200 profile in ALCOA 6063 T-5 aluminum alloy for superior heat dissipation, allowing the use of the full range of 1000 Series lenses, for full control of the lighting effect
- Designed to give a uniform light without hot spots with an optiflex lens and a strip or PCB of 120 LEDs per meter or more
- Application guide for 10mm (3/8-inch) LED strip or less
- Custom length by sections of 2 to 144 inches (3.6m)

LED strip compatibility

Compatible with LED strips up to **14mm** wide.

- B3528-xxV-60 - 8mm - 4.8W (95 lm/ft)
- B3528-xxV-120 - 8mm - 9.6W (220 lm/ft)
- B3528-xxV - 120H - 5mm - 9.6W (220 lm/ft)
- B3528-24V - 180H - 5mm - 14.4W (288 lm/ft)
- B3528-xxV-240 - 14mm - 19.5W (410 lm/ft)
- B5050-xxV-60 - 10mm - 14.4W (407 lm/ft)
- B5050-xxV-72 - 10mm - 17.8W (488 lm/ft)



APSYS

Components and accessories

Gypsum Series

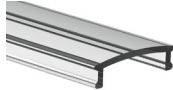
GYPSUM PROFILE



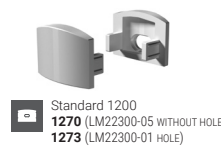
ALU PROFILE



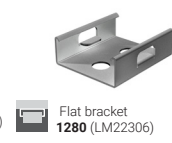
LENSES



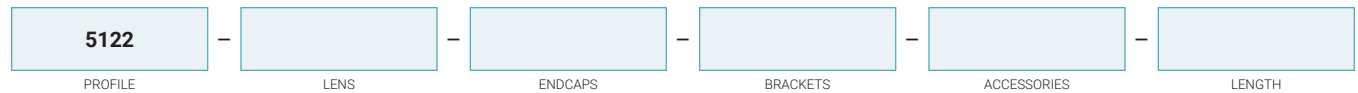
ENDCAPS



BRACKETS



Custom length by sections of 2 to 144 inches (3.6m).



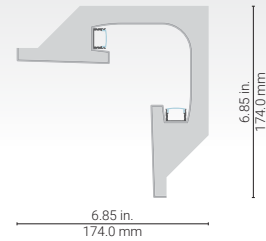
GEMINUS

8144 (LM29581-44)



Gypsum Series

Dimensional drawing



GEMINUS creates **corner alcoves with a 2-inch wide opening**, backlit from both sides, for a **more emphasized linear lighting effect**. A direct fit for 1/2-inch gypsum panels, it can also be leveled with 5/8-inch ones, with the same ease of installation and impressive end result as the other Gypsum Series profiles.

Features

- Form made of architectural-grade extruded polystyrene foam for stiffness and a high R-factor, exterior surface enclosed in a fiberglass shell for rigidity, finished in white plaster that is primable and paintable like a regular gypsum panel wall
- Flush installation with standard 1/2in. gypsum panels, or level out to 5/8in. panels with drywall mud and tape, while supporting the edges over 2x1.5in. wall/ceiling beams
- Direct fit for the 1200 profile in ALCOA 6063 T-5 aluminum alloy for superior heat dissipation, allowing the use of the full range of 1000 Series lenses, for full control of the lighting effect
- Designed to give a uniform light without hot spots with an optiflex lens and a strip or PCB of 120 LEDs per meter or more
- Application guide for 10mm (3/8-inch) LED strip or less
- Custom length by sections of 2 to 144 inches (3.6m)

Options



LED strip compatibility

Compatible with LED strips up to **14mm** wide.

- B3528-xxV-60 - 8mm - 4.8W (95 lm/ft)
- B3528-xxV-120 - 8mm - 9.6W (220 lm/ft)
- B3528-xxV - 120H - 5mm - 9.6W (220 lm/ft)
- B3528-24V - 180H - 5mm - 14.4W (288 lm/ft)
- B3528-xxV-240 - 14mm - 19.5W (410 lm/ft)
- B5050-xxV-60 - 10mm - 14.4W (407 lm/ft)
- B5050-xxV-72 - 10mm - 17.8W (488 lm/ft)



GEMINUS

Components and accessories

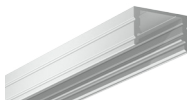
Gypsum Series

GYPSUM PROFILE



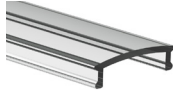
GEMINUS gypsum profile
8144 (LM29581-44)

ALU PROFILE



1200 Alu Profile
1210 (LM22200)

LENSES



Standard, Clear
1269 (LM22298)



Standard, Spread
1265 (LM22294)



Standard, Optiflex
1261 (LM22290)



Standard, Opal
1263 (LM22292)

ENDCAPS



Standard 1200
1270 (LM22300-05 WITHOUT HOLE)
1273 (LM22300-01 HOLE)

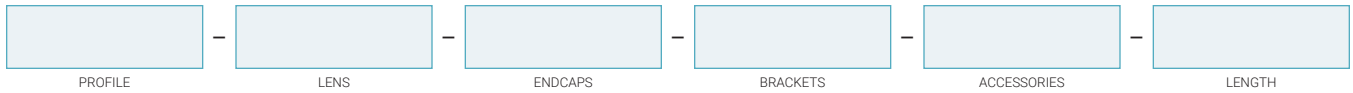
BRACKETS



Flat bracket
1280 (LM22306)

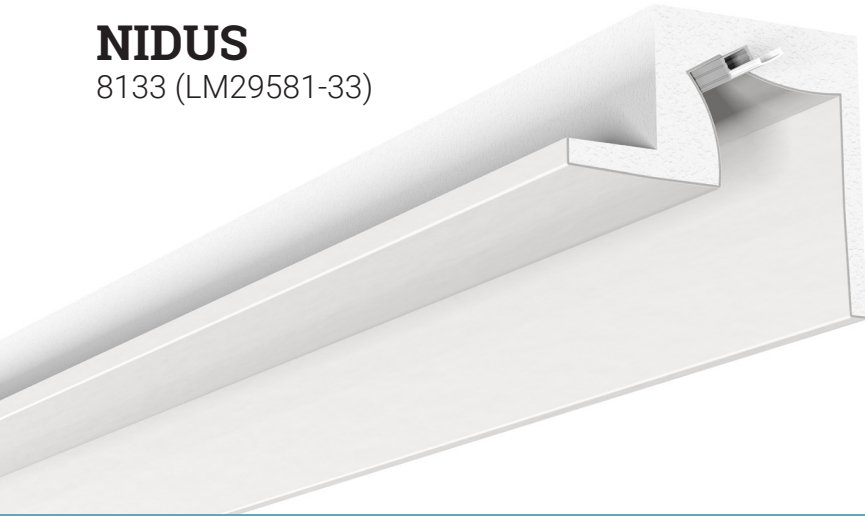
LENGTH

Custom length by sections of 2 to 144 inches (3.6m).



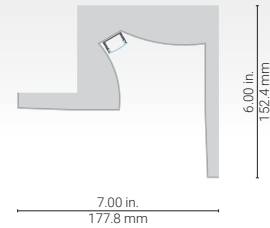
NIDUS

8133 (LM29581-33)



Gypsum Series

Dimensional drawing



The NIDUS profile is the best that you can use to lightwash a wall or ceiling, while keeping the **light source concealed** and the **corner visually intact**. Mount over standard 2x3in. beams without the need to build elaborate structures, level with the gypsum panels. Paint to your liking, put in the LED profile, and bring light in from apparently nowhere.

Features

- Form made of architectural-grade extruded polystyrene foam for stiffness and a high R-factor, exterior surface enclosed in a fiberglass shell for rigidity, finished in white plaster that is primable and paintable like a regular gypsum panel wall
- Flush installation with standard 1/2in. gypsum panels, or level out to 5/8in. panels with drywall mud and tape, while supporting the edges over 2x3in. wall/ceiling beams
- Direct fit for the 1200 profile in ALCOA 6063 T-5 aluminum alloy for superior heat dissipation, allowing the use of the full range of 1000 Series lenses, for full control of the lighting effect
- Designed to give a uniform light without hot spots with an optiflex lens and a strip or PCB of 120 LEDs per meter or more
- Application guide for 10mm (3/8-inch) LED strip or less
- Custom length by sections of 2 to 144 inches (3.6m)

Options



LED strip compatibility

Compatible with LED strips up to **14mm** wide.

- B3528-xxV-60 - 8mm - 4.8W (95 lm/ft)
- B3528-xxV-120 - 8mm - 9.6W (220 lm/ft)
- B3528-xxV - 120H - 5mm - 9.6W (220 lm/ft)
- B3528-24V - 180H - 5mm - 14.4W (288 lm/ft)
- B3528-xxV-240 - 14mm - 19.5W (410 lm/ft)
- B5050-xxV-60 - 10mm - 14.4W (407 lm/ft)
- B5050-xxV-72 - 10mm - 17.8W (488 lm/ft)



NIDUS

Components and accessories

Gypsum Series

GYPSUM PROFILE



NIDUS gypsum profile
8133 (LM29581-33)

ALU PROFILE



1200 Alu Profile
1210 (LM22200)

LENSES



Standard, Clear
1269 (LM22298)



Standard, Spread
1265 (LM22294)



Standard, Optiflex
1261 (LM22290)



Standard, Opal
1263 (LM22292)

ENDCAPS



Standard 1200
1270 (LM22300-05 WITHOUT HOLE)
1273 (LM22300-01 HOLE)

BRACKETS



Flat bracket
1280 (LM22306)

LENGTH

Custom length by sections of 2 to 144 inches (3.6m).



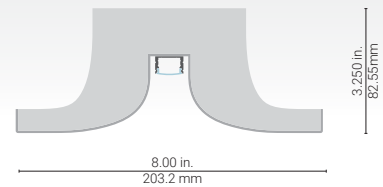
SULCUS

8111 (LM29581-11)



Gypsum Series

Dimensional drawing



Add **smooth internally lit grooves** to your walls using the SULCUS gypsum profile. It is supported on 2x3in. beams, and will level out flush with 5/8 in. gypsum panels, with a little dry-wall tape and mud. Paint to match your decor, and enjoy the smooth look as well as the admiration of others!

Features

- Form made of architectural-grade extruded polystyrene foam for stiffness and a high R-factor, exterior surface enclosed in a fiberglass shell for rigidity, finished in white plaster that is primable and paintable like a regular gypsum panel wall
- Flush installation with standard 5/8in. gypsum panels, over 2x3in. wall/ceiling beams
- Direct fit for the 1200 profile in ALCOA 6063 T-5 aluminum alloy for superior heat dissipation, allowing the use of the full range of 1000 Series lenses, for full control of the lighting effect
- Designed to give a uniform light without hot spots with an optiflex lens and a strip or PCB of 120 LEDs per meter or more
- Application guide for 10mm (3/8-inch) LED strip or less
- Custom length by sections of 2 to 144 inches (3.6m)

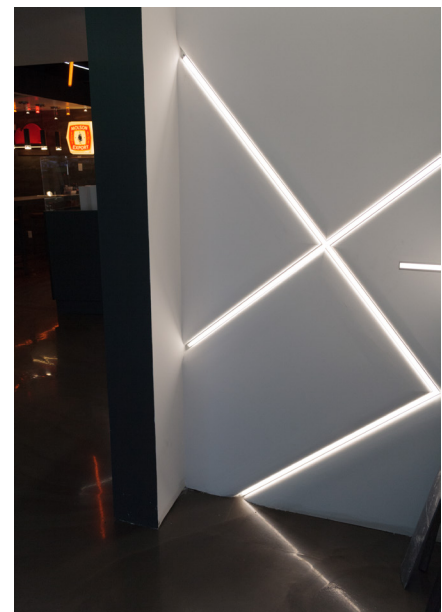
Options



LED strip compatibility

Compatible with LED strips up to **14mm** wide.

- B3528-xxV-60 - 8mm - 4.8W (95 lm/ft)
- B3528-xxV-120 - 8mm - 9.6W (220 lm/ft)
- B3528-xxV - 120H - 5mm - 9.6W (220 lm/ft)
- B3528-24V - 180H - 5mm - 14.4W (288 lm/ft)
- B3528-xxV-240 - 14mm - 19.5W (410 lm/ft)
- B5050-xxV-60 - 10mm - 14.4W (407 lm/ft)
- B5050-xxV-72 - 10mm - 17.8W (488 lm/ft)



SULCUS

Components and accessories

Gypsum Series

GYPSUM PROFILE



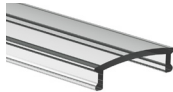
SULCUS gypsum profile
8111 (LM29581-11)

ALU PROFILE



1200 Alu Profile
1210 (LM22200)

LENSES



Standard, Clear
1269 (LM22298)



Standard, Spread
1265 (LM22294)



Standard, Optiflex
1261 (LM22290)



Standard, Opal
1263 (LM22292)

ENDCAPS



Standard 1200
1270 (LM22300-05 WITHOUT HOLE)
1273 (LM22300-01 HOLE)

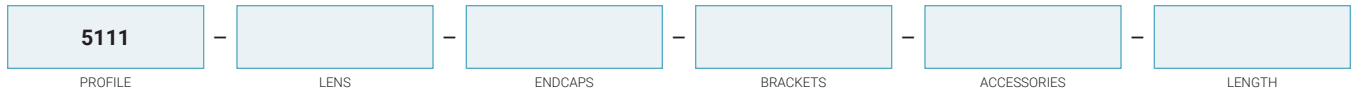
BRACKETS



Flat bracket
1280 (LM22306)

LENGTH

Custom length by sections of 2 to 144 inches (3.6m).



A modern office interior featuring a large yellow cylindrical ductwork structure suspended from the ceiling. The ceiling is equipped with long, linear LED light fixtures. The room includes a desk with a yellow wire chair, a wooden table with blue and black stools, and a window with a planter box. A glass-walled office space is visible in the background.

LEDs
TALK ABOUT
YOUR
PROJECTS

CONTACT US

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