GROOVE 21

PERFORMANCE iN LIGHTING

powered by GEWISS

GROOVE 21

design Artec Studio

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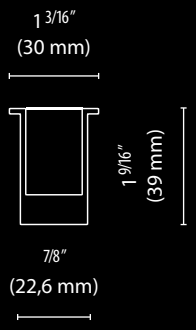
Ariadne's thread

GROOVE 21 is an innovative outdoor/indoor in-ground or wall horizontal recessed system for direct view light—ideal for contour and path illumination in large urban areas, malls, and pedestrian zones.

Like the thread of Ariadne guides Teseo through the labyrinth to escape the Minotaur, the GROOVE 21 lighting system points the way through architectural spaces. In a class by itself, whether in-ground- or wall-recessed, the GROOVE 21 modular system allows designers and architects to create configurations for projects with endless possibilities. GROOVE 21 (1 3/16" width) builds in state-of-the-art sophisticated technological processes: a patented double IP rating to grant reliable performance even in extreme conditions and a double-layer resin-coat to assure a complete light uniformity for the individual lines and boundaries of direct view light.



GROOVE 21 500

max 309 lm
max 18 W
L80B10@108.000h

GROOVE 21 1000

max 620 lm
max 33 W
L80B10@108.000h

GROOVE 21 1500

max 883 lm
max 47 W
L80B10@108.000h

GROOVE 21 2000

max 1150 lm
max 60 W
L80B10@108.000h

GROOVE 21 500 T

max 309 lm
max 18 W
L80B10@108.000h

GROOVE 21 500 X

max 309 lm
max 18 W
L80B10@108.000h

GROOVE 21 R 500

max 330 lm
max 18 W
L80B10@108.000h

GROOVE 21 R 1200

max 292 lm
max 18 W
L80B10@108.000h

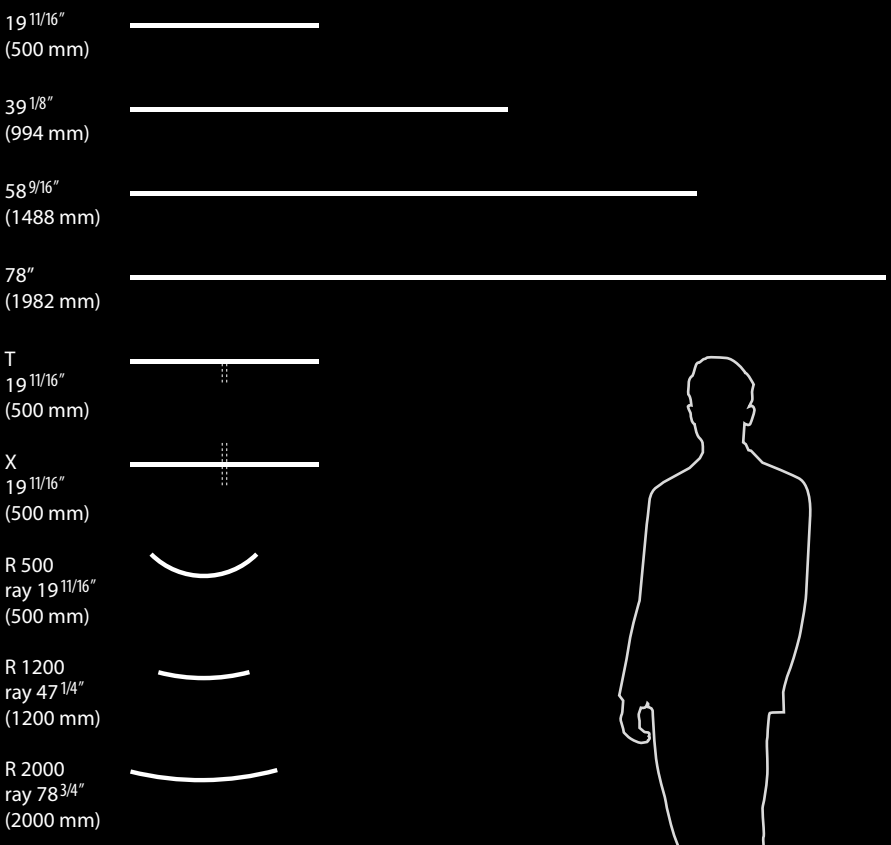
GROOVE 21 R 2000

max 740 lm
max 36 W
L80B10@108.000h

Separate endcaps allow for customizable run lengths with seamless joints and intersections.

The luminous flux emitted by each fixture guarantees visual uniformity thanks to a consistent light output ratio (lm/ft).

Uniform light even near the joints for continuous light performance.



Optics

LED

3000 K	4000 K	2700-5400 K	RGBW-4K
CRI 90	CRI 90	CRI 90	CRI 90

≤3
MacAdam

ON/OFF	0-10 V	DMX

Low-profile, narrow trim flawlessly integrates into any project.

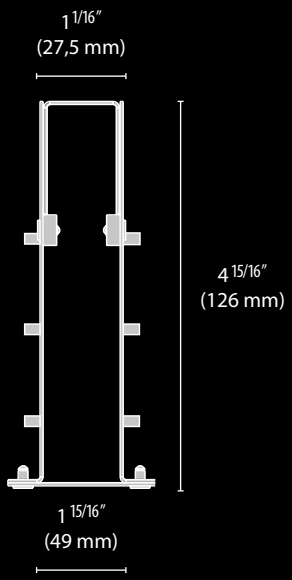
Contact factory for project layout assistanace and guidance with fixture size/configuration options.

Consult factory for more information about specification sheet details to design your project.

Dynamic Tunable White (TW) options enable smooth variations in color temperature, from 2700 K to 5400 K, in response to how a space is used.

RGBW-4K color mixing for high emotional impact scenographic effects.

Recessed
rough-in kit



Two-part fitting, consisting of LED luminaire and stainless steel recess box with anti-deformation cover (included). Tool-free installation of the luminaire in the recess box

IP-67-rated double resin coating - transparent in the lower part to protect the LED from mechanical stresses and to guarantee maximum luminous efficiency - satin finish in the visible part, even in joints proximity, to ensure a uniform distribution over the entire emitting area.

Anodized extruded aluminum profile for optimal thermal dissipation of the LED light source.

Each rough-in kit is provided with a protective faceplate to avoid possible deformations during the installation in concrete to simplify installation.

Stainless steel recessed box. Recessed box to be ordered separately.

-40°F +140°F

Designed for use in extreme environmental conditions
Able to withstand large variations in ambient temperature.

IK 10 | IP 67

Designed to last
Opal resin upper layer to increase mechanical strength and double internal application of transparent resin to protect the LED from mechanical stress.

Multiple control options
Can be controlled with 0-10 V or DMX protocols.

100%

100% light uniformity
Double layer resin to guarantee one hundred percent uniform light.

Constant light emission without voltage drops
Electronics designed to maintain constant luminosity for all the LED modules in the luminous configuration without voltage drops.

Dynamic light management
3000 K , 4000 K, Tunable White (2700-5400 K) and RGBW-4K.

Streamlined installation
Technical solutions designed for fast and safe installation. Sturdy stainless steel recessed casing with anti-deformation cover.

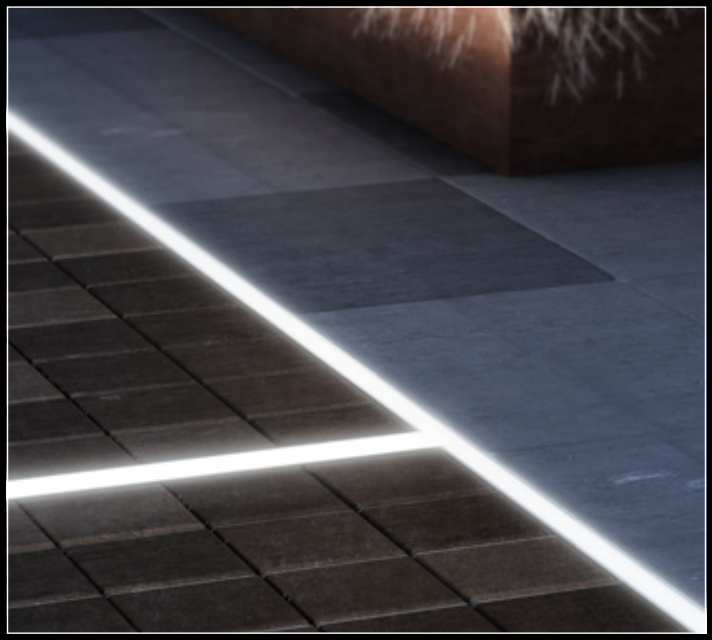
Cool Touch
Safe to touch, maximum temperature 95° F / 35° C.

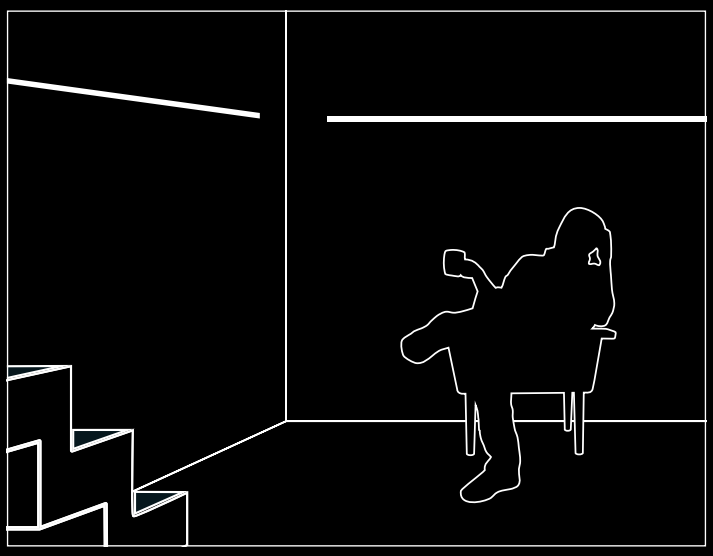
Max 6.613 lb
5 kN
50 Nm

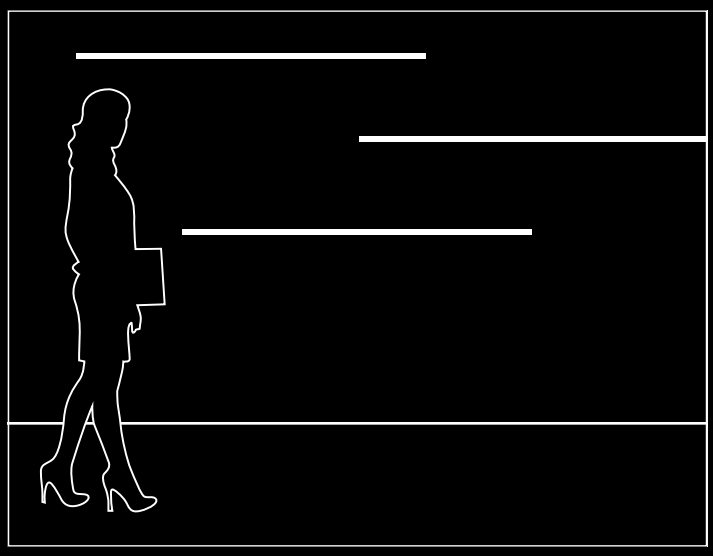
Can withstand vehicle traffic above the standard
Suitable to withstand slow moving vehicles with air-inflated tyres.

Quality light
MacAdam ≤3 and CRI90.

Multiple installation solutions
Can be installed indoors or outdoors.







Examples of GROOVE 21 in indoor wall recessed installation, only for linear modules in horizontal position (not appliable for curved or T or X modules).

GROOVE 21 must be powered with an external power supply 24V DC.
The RGBW-4K and Tunable White (TW) versions must be powered at 24 V DC, and colour management is through DMX interface.

Can withstand vehicle and foot traffic for a vast range of applications. Static load up to 6613 Pounds.

For outdoor applications, provide the appliance with drainage gravel for at least an additional 11.8 Inches or an adequate drainage system.

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GOOD REASONS FOR CHOOSING US

Decades of presence on the market. Made in USA of U.S. and imported components.

Use of leading brands for electronic components.

<1%

Great performance over time with a defect rate of less than 1%.

Five-year warranty on the entire luminaire, extendable up to ten for special projects.

Clear conditions, real lumen indicate the luminous flux output of the luminaire.

Internal laboratories approved by third parties (CTF Stage 2 and WTDP). Company with ISO 9001 quality management system.

FUTURE PROOF▶▶

"Future-Proof" products with longer life LEDs and replaceable lighting systems for future upgrades. Exceptional longevity and savings with a real contribution to sustainability.

Wide range of lighting solutions for the most varied applications, all from a single supplier.

Consult with our pre- and post-sales technical-support staff to meet any needs even for the most demanding projects.

EcoVadis certification, bronze medal in recognition of the achievements in sustainability.

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