GRADUS
cinema LED lighting systems
inspired by light itself
eomac

Illumination is an art that goes beyond the physics of light production and distribution. GRADUS's energy-efficient, ultra bright, yet non-intrusive lighting solutions are designed to ensure the correct balance between safety, performance and aesthetics.

eomac is the exclusive North American Distributor of GRADUS, a specialist business in the UK for over 25 years, offering a wide range of LED low-voltage, decorative and safety lighting products.

bsi. ISO14001 Environmental Management FM 10763

bsi. ISO9001 Quality Management EMS 39511

GRADUS 10 YEAR WARRANTY

GRADUS LED lighting solutions by **eomac**

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L3™

ACCENT LED ROPE LIGHTING

- An excellent alternative to neon lighting
- Enhances virtually any design
- Ideal for walls and ceilings
- Ideal for recessed or exposed applications
- Low voltage — 24v DC
- Cost-effective to operate
- Up to 50,000 hours of lifespan
- Low heat output means it is safe in use
- Supplied with mounting profile, mounting clips, end caps and connectors
- Quickly and easily installed
- LEDs available in a wide variety of colours, as well as multi-colour changing settings.

LED COLOUR OPTIONS

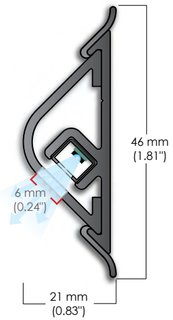
- White
- Warm White
- Blue
- Red
- Green
- Orange
- Amber

USHER™

LED WAYFINDING SYSTEM

USHER™ is a low voltage wall lighting system, designed to provide soft illumination wayfinding for auditoria access during the show, without distracting from the primary function of the installation.

- Incorporates a clear window for light to shine downwards
- Low voltage — 24v DC
- Pinpoint lighting effect — spaced at 50 mm (1.97") intervals
- 2.5 m (nominal 8.2') in length
- Supplied with a PVC-u base, and PVC-u cover in black



LED COLOUR OPTIONS

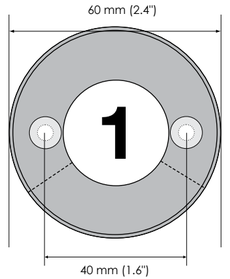
- White
- Blue
- Red
- Green
- Amber

TWINLITE™

LED SEAT LIGHTING & ROW INDICATOR

TWINLITE™ is installed into seating at the end of rows. Circular in design, the profile offers a twin lighting effect: Row indication, plus down-lighting.

- Identifies the location of seating rows for guidance
- Illuminates the floor, and the steps below, for safe movement when the main lighting is dimmed
- Can be provided with or without numbers or letters
- Low voltage - 12v DC
- Low power consumption — only 50mA per unit
- The circular anodised aluminium profile is available in silver, black or gold
- 60 mm (2.4") diameter x 20 mm (0.8") depth

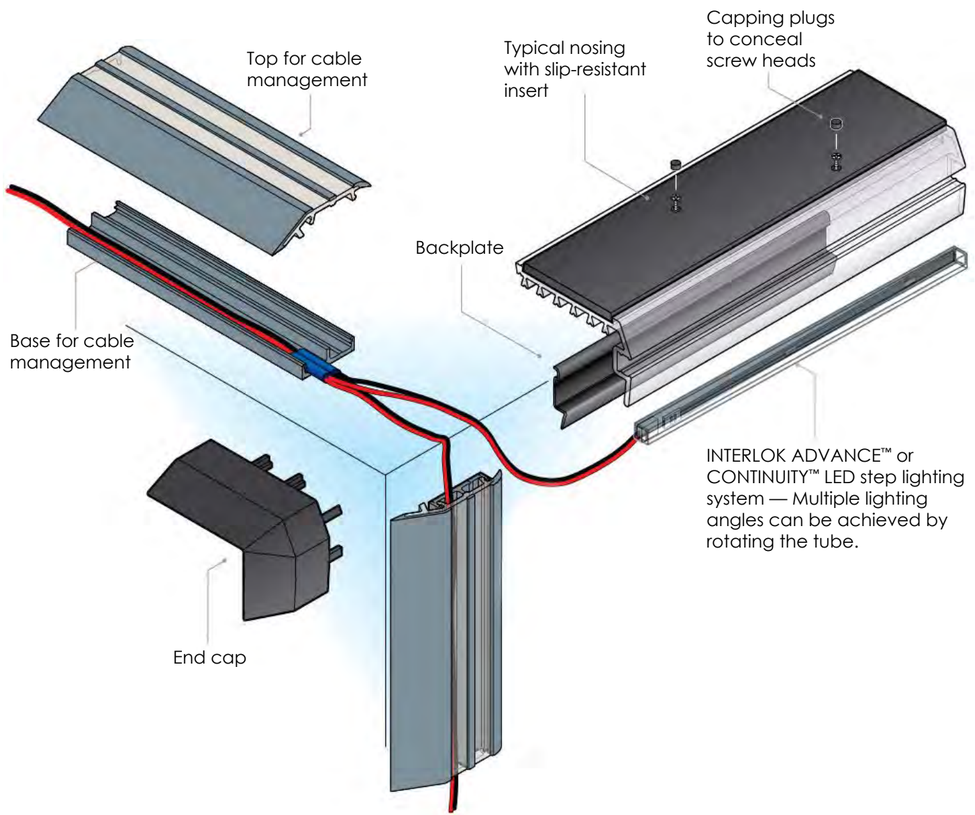


LED COLOUR OPTIONS

White
Blue
Red
Green

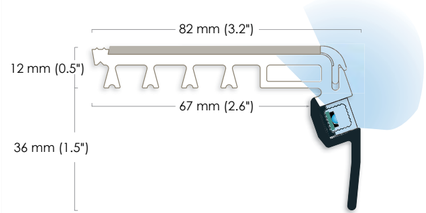
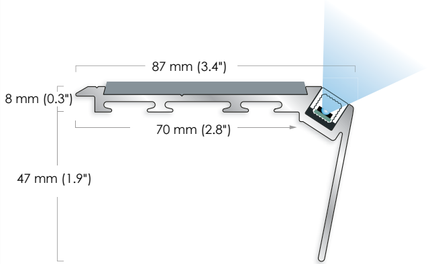
STEP ILLUMINATION

GRADUS's illuminated nosings offer full light visibility and specialist slip-resistant inserts - the ultimate solution to help reduce the risk of slips, trips and falls on stairs. Aluminium and PVC-u stair edging profiles, incorporate sate-of-the-art LED step lighting systems in various colours and lighting effects.



— TYPICAL EXAMPLE OF A GRADUS STEP SYSTEM —

ILLUMINATED NOSING PROFILES

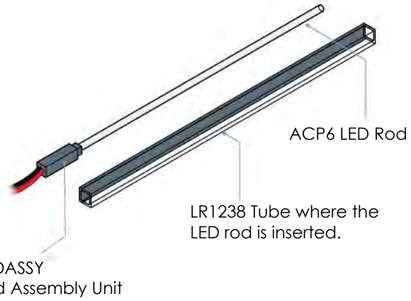
PROFILE CODE	RXT1218L™	ATNG71L™
PROFILE ILLUSTRATION Full light visibility ascending and descending stairs through up and angled illumination on tread and riser.		
CHANNEL TYPE	Clear PVC-u channel	Aluminium channel — can be anodised
FACTORY-BONDED INSERT OPTIONS See page 18 for details	INTERIOR	INTERIOR or XTRA-GRIP PLUS
LED SYSTEM OPTIONS See page 14-17 for details	INTERLOK ADVANCE™ or CONTINUITY™ 12v DC LED Step Lighting System	
LENGTH	2.44 m, 2.75 m or 3.2 m (Nominal 8', 9', 10.5')	
OTHER COMPONENTS	Supplied with end caps, base and top for cable management, and capping plugs	

Dimensions shown are nominal. Products subject to minor design alterations without notice.

LED STEP LIGHTING SYSTEMS

INTERLOK ADVANCE™

CONTINUITY™



INTERLOK ADVANCE™

12v DC LED STEP LIGHTING SYSTEM

pinpoint lighting effect for a traditional look

Photo: Aluminium nosing, with INTERLOK ADVANCE™ LED lighting system in blue

- LEDs are spaced at 100 mm (3.94") intervals
- LEDs are surface mounted onto strips
- The strips can be cut to desired lengths — 600 mm (nom 2') strips
- LED lifetime of up to 50,000 hours
- Minimum power consumption — only 0.3 Watts per LED
- Dimming options are available
- Supplied with GRADUS's illuminated nosing profiles — see page 13.

LED COLOUR OPTIONS

CONTINUITY™

12v DC LED STEP LIGHTING SYSTEM

continuous linear lighting effect for a streamlined modern finish

Photo: PVC-u nosing, with CONTINUITY™ LED lighting system in blue

- LED housed in a polycarbonate assembly unit projected through the fibre optic rod
- Sealed LED system provides resistance to moisture ingression e.g. soft drink spillage
- Supplied per metre (nom 3.3')
- LED life time of up to 50,000 hours
- Minimum power consumption — only 0.3 Watts per LED
- Dimming options available
- Supplied with GRADUS's illuminated nosing profiles — see page 13.

LED COLOUR OPTIONS

White

Blue

Red

Green

NOSING INSERTS

An insert provides a surface that creates friction between the sole of the shoe and the step edge, hence providing slip-resistance and reducing the risk of slips on stairs. All GRADUS inserts are tested for slip-resistance and complies with the following standards:

LIFE SAFETY CODE NFPA - PART 7.8.1.33
ADA STANDARD 4.9 and 504

INSERT TYPES	CONDITIONS	APPLICATIONS	MATERIAL	NOSINGS
XTRA-GRIP PLUS	Interior Wet/Dry	Enhanced insert bond system for areas subject to more frequent cleaning e.g. catering and food preparation areas.	PVC with mineral aggregate and PVC wear layer.	ATNG71L™
INTERIOR	Interior Dry	Areas where there is no risk that the stairs will be contaminated by moisture.	PVC with mineral inclusion - standard or grained surface.	RXT128L™ ATNG71L™

INSERT COLOURS

XTRA-GRIP PLUS

Raven, Navy, Conker, Marl, Cliff, Vine, Meltwater, Lunar, Bone, Sulphur, Diamond

INTERIOR

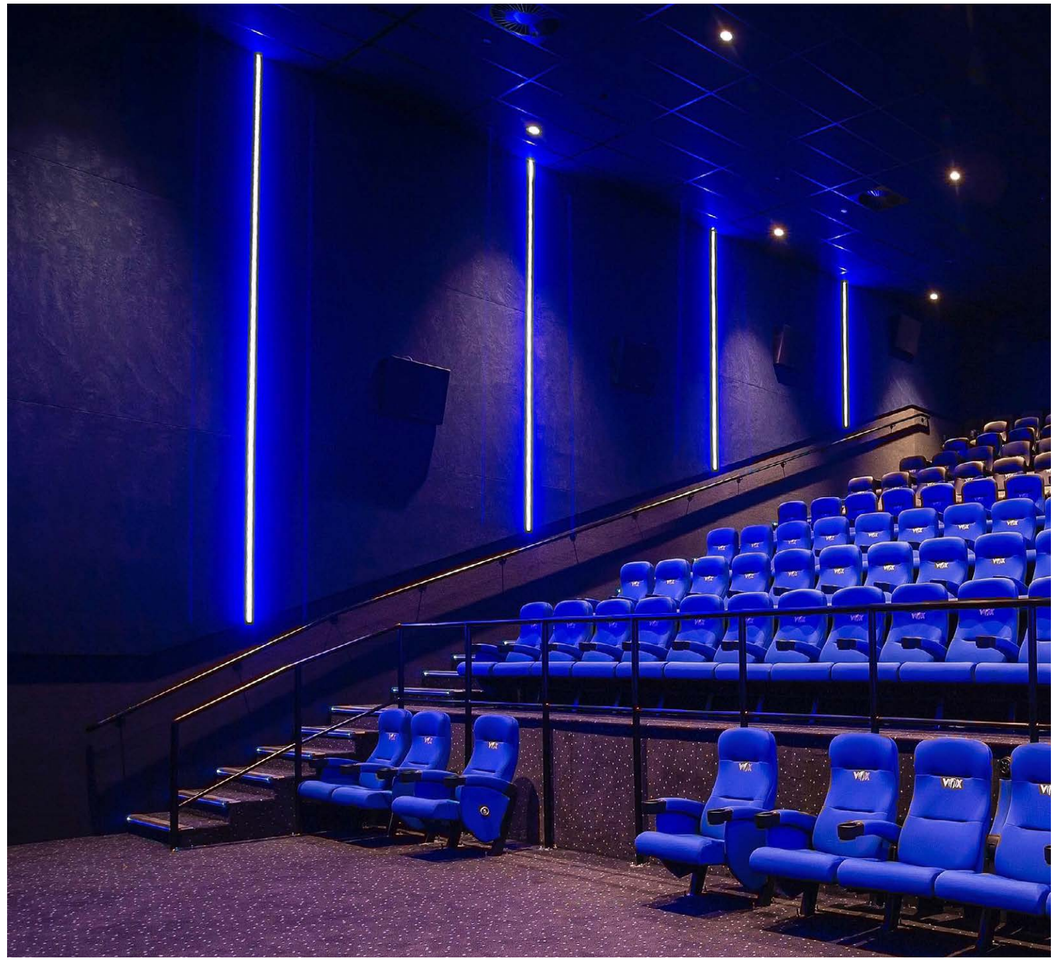
Jet, Ink, Burgundy, Coffee, Lead, Steel, Glacier, Canvas, Clay, Sky, Jade, Wisp, Buttercup, Snowdrift

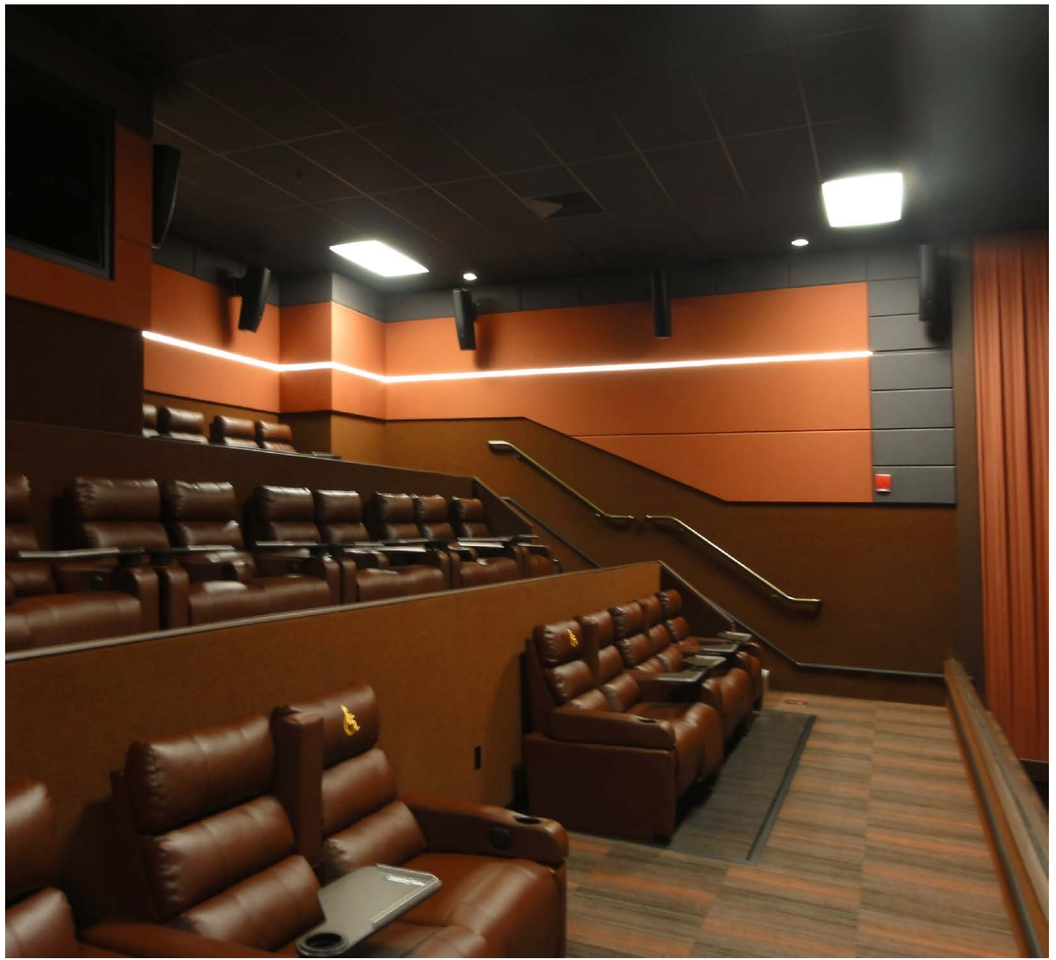
For larger colour swatches and light reflectance values (LRVs) and NCS references, please contact us.

For more details on safety, view GRADUS **SAFE STAIRS GUIDE** at **eomac**'s online library accessible at **eomac.com**

FEATURED PROJECTS

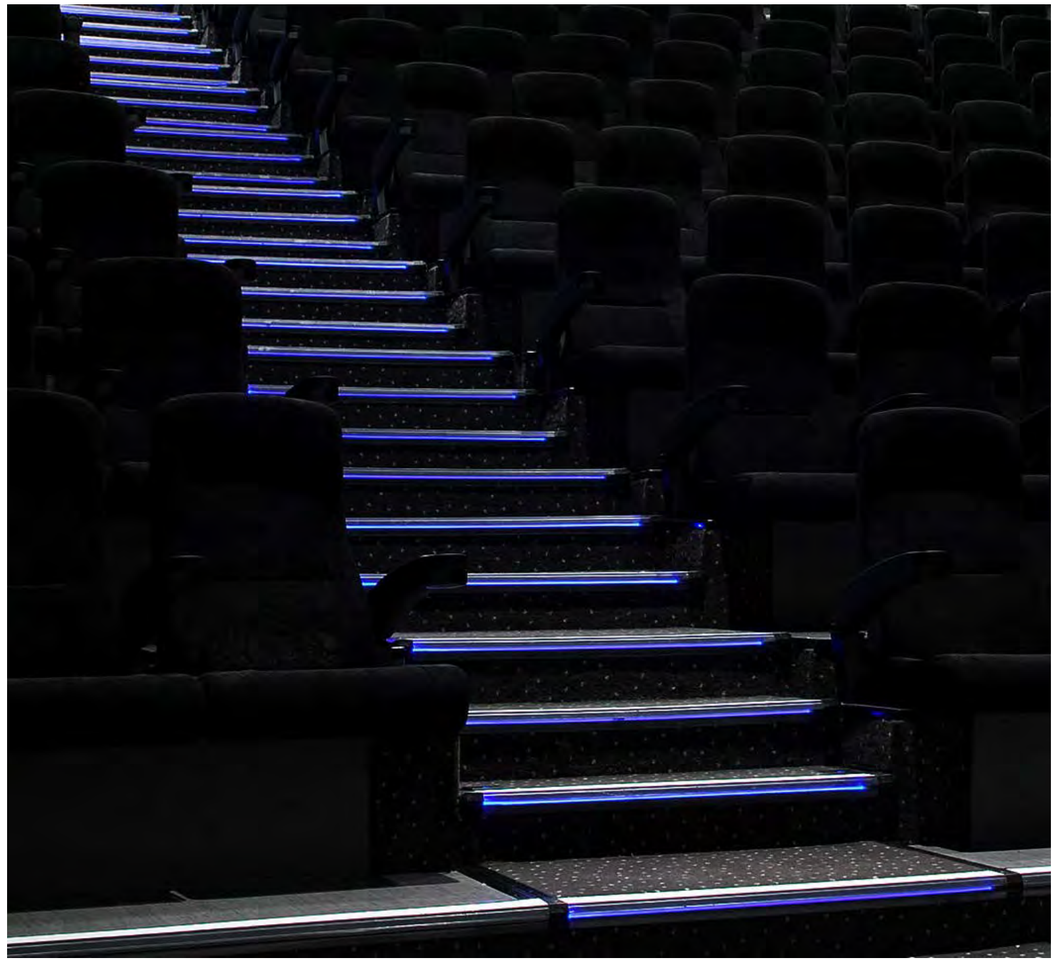
eomac has successfully supplied and installed GRADUS LED lighting systems in several cinema projects across the world.



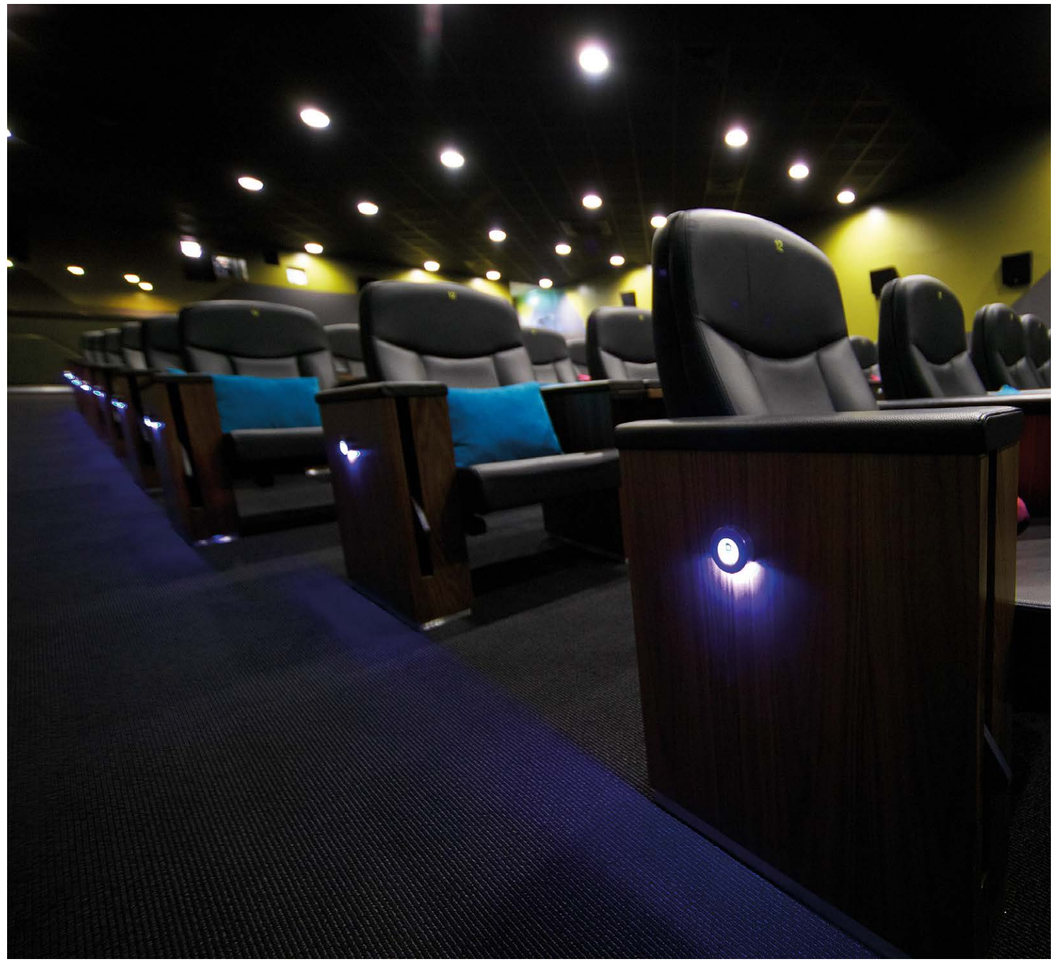


MAX

4DX



IMAX®



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