THORN
LIGHTING

GTLED PRO

High-performance tunnel lighting from entrance to exit

LIGHT THAT LASTS – FOR ANY TUNNEL

LIGHTING COMFORT

GTLED Pro's precise lighting distribution delivers uniform light with high comfort. Thanks to a low threshold increment (TI<6), it improves safety while ensuring optimum visual performance for tunnel users.

COMPREHENSIVE RANGE

GTLED Pro offers a wide range of optics to suit many tunnel configurations. It is a versatile solution with five luminaire sizes and remote gear boxes to fit perfectly with the four lighting zones. GTLED Pro benefits from a complete range of controls and new possibilities for continuous row installation.

LONG-LASTING PERFORMANCE YET WITHOUT COOLING FINS

GTLED Pro benefits from a long-life LED engine, thanks to excellent thermal management with no cooling fins and an anti-dust retention/collecting body canopy design. Moreover, it uses a careful combination of materials that meet the highest levels of corrosion protection (C5), to withstand the aggressive environment of tunnels.

EASY MAINTENANCE AND INSTALLATION

GTLED Pro is designed to keep maintenance simple. It can be installed quickly, thanks to its compact, lightweight design and remote gear box. It is delivered with toolless connectors and intuitive brackets for mounting.
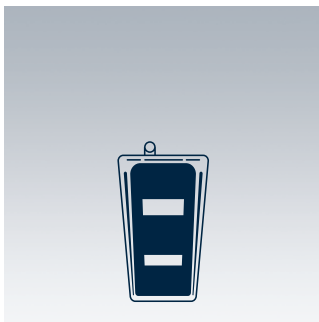
APPLICATIONS

All types of underpasses and road tunnels, including urban and suburban, sub-water and mountain. Suitable for adaptation/transition (zone), transition, interior and exit lighting zones.
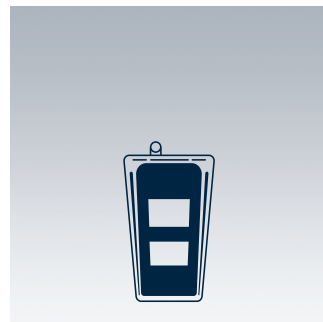
A COMPLETE TUNNEL LIGHTING FAMILY

GTLED PRO S
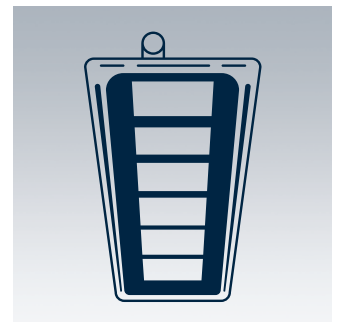12-48L up to 20 klm (25°C)

GTLED PRO MS
12-48L up to 20 klm (25°C)

GTLED PRO M
72-108L up to 33 klm (25°C)

GTLED PRO L
144L up to 46 klm (25°C)

GTLED PRO XL
216L up to 69 klm (25°C)

TECHNICAL DATA ⟨CE⟩ ⟨EN 60598⟩ ▢ ⏚ ⟨⟩

MATERIALS AND FINISH

• Body size S – die-cast aluminium EN 44300
• Body sizes MS / M / L / XL – extruded profile in aluminium 6060 T6 and end cap in die-cast aluminium EN 44300
• Enclosure: toughened glass (4 mm)
• External screws: A2 with anti seizing treatment
• Glass holder: 316L stainless steel with anti seizing treatment
• Finish: powder coated white, RAL 9016

INSTALLATION AND MOUNTING

• Luminaire mounting: choice of brackets for ceiling or wall mounting with inclination settings (to be ordered as accessories)
• Gear Box: Pre-wired, 1.5 m cable, with bracket included

ACCESSORIES

• Luminaire brackets
• Cable junction cables for luminaire loops

CONTROLS

• DALI or Bi-Power Power Line (BPL)
• Monitoring system to manage luminaires (LITECOM)

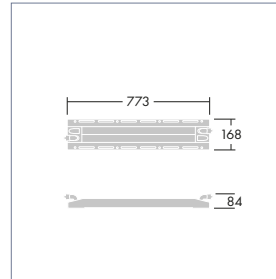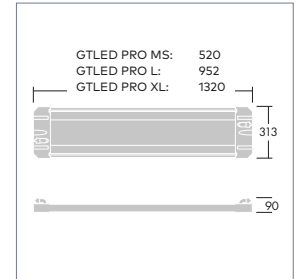|					
Up to 170 lm/W	Up to 100000 hours L90 @TA 25°C	4000K 3000K (on selected versions)	CRI 70	From 39 W to 446 W	IK08
IP66	Symmetric Asymmetric Counter Beam	12 LEDs (3 klm at 25°C) to 216 LEDs (69 klm at 25°C)	Up to 10 kV single pulse as standard	−30°C +50°C (variant dependant)	Highest corrosion resistance class (C5)

CONFIGURATION GUIDE

LUMINAIRE

GP	MS	36L	740	ASC	IN	CL1
Range	Size	LED	CCT/CRI	Optic	Wiring	Safety

						CL1	Electrical class 1
						CL2	Electrical class 2
					IN		End of line
					IO		Cabling between luminaires in serie
				A4-A			Asymmetric 40°
				A5-A			Asymmetric 50°
				A6-A			Asymmetric 60°
				AESC			Axial Extra Street Comfort
				ASC			Axial Street Comfort
				CB2			Counter Beam Version 2
				CB2-LV			Counter Beam Version 2 with White Louver
				ENR-A			Extra Narrow Road – Asymmetric
				ENR-S			Extra Narrow Road – Symmetric
				EW2-A			Extra Wide Street – Asymmetric
				EWR-A			Extra Wide Road – Asymmetric
				EWR-S			Extra Wide Road – Symmetric
				NR-A			Narrow Road – Asymmetric
				NR-S			Narrow Road – Symmetric
				RC-A			Road Comfort – Asymmetric
				RC-S			Road comfort – Symmetric
				RWT-A			Road Wet – Asymmetric
				SC-A			Street Comfort – Asymmetric
				WR-A			Wide Road – Asymmetric
				WR-S			Wide Road – Symmetric
				WT2-A			Road Wet – Asymmetric
				WT2-S			Road Wet – Symmetric
			730				3000K CRI70 (on selected versions)
			740				4000K CRI70
		12L					12 LEDs
		24L					24 LEDs
		36L					36 LEDs
		48L					48 LEDs
		72L					72 LEDs
		108L					108 LEDs
		144L					144 LEDs
		216L					216 LEDs
	S						Small 12-48L
	MS						Medium Small 12-48L
	M						Medium 72-108L
	L						Large 144L
	XL						Extra Large 216L
GP							GTLED PRO

773
168
84

GTLED PRO S

GTLED PRO MS: 520
GTLED PRO L: 952
GTLED PRO XL: 1320
313
90

GTLED PRO M, MS, L AND XL

GEAR BOX

GP	PB	1x200	-	LV	OUT1	105	-	W1,5 M	CL1	-
Range	Material	Driver	Controls	Voltage	Output	mA	CLO	Wiring	Safety	Temperature

										-	< 35°C
										HT	< 50°C
									CL1		Electrical class 1
									CL2		Electrical class 2
								W1,5 M			Pre-wired GB/Lum, 1.5 m
								Wxx			Pre-wired x M (on request)
							-				
							CLO				Constant Lumen Ouput
						50					500 mA
						70					700 mA
						85					850 mA
						100					1000 mA
						105					1050 mA
					OUT1						1x Output
					OUT2						2x Output
				LV							Low Voltage internal cabling
				HV							High Voltage internal cabling
			DA								DALI
			BPL								Bi-Power Power Line
		1x200 W									1x Driver max power 200 W
		...									
		4x200 W									4x Driver max power 800 W
	PB										Fiberglass-reinforced plastic box
	AB										Aluminium box (coming soon)
GP											GTLED PRO

COMING SOON

GEAR BOX AL

455
370
208
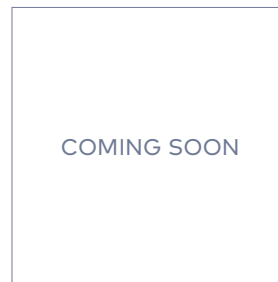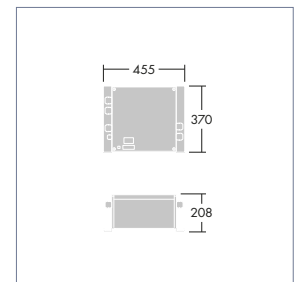
GEAR BOX GRP

The ambient temperature and the power rating have an influence on the useful lifetime of the luminaire.

Configure the ideal product solution with myProduct. The myProduct configurator allows you to easily configure a luminaire according to your needs.
Try it now at www.thornlighting.com/myproduct

WE MAKE LIGHT WORK