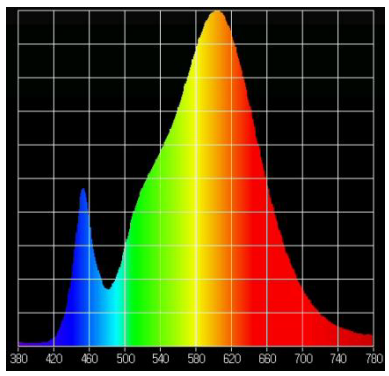
Aura UltiLED PRO Long Life

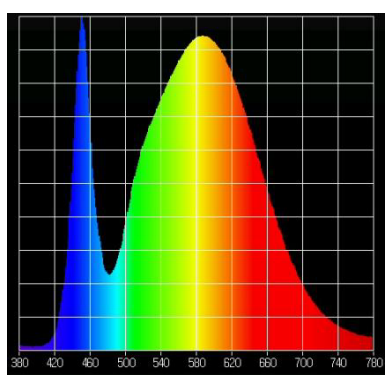
Nominal wattage (W)		26				32			
Nominal length (mm)		1149				1449			
Diameter (mm)		16				16			
Weight (g)		225				290			
Colour Rendering Index CRI		≥80				≥80			
SDCM		3				3			
Light Colour			830	840	850		830	840	850
Correlated Colour Temperature CCT			3000	4000	5000		3000	4000	5000
Nominal and rated flux[1)] @ 25 °C (lm) (+/- 8% tolerance)			3600	3800	3950		4500	4750	4900
Lamp efficacy[1)] @ 25 °C (lm/W)			138,5	146	152		140,6	148,4	153,1
Energy Class			E	D	D		E	D	D
System power with driver, 90% eff.			28,89	28,89	28,89		35,56	35,56	35,56

Electrical Data	Rated Wattage (W)		26	32
	Power Factor (Pf)	>0,9 (in combination with approved driver)		
Input	Operating Voltage (V)		36,1 (34,5 - 39,1)	44,5 (42,8 - 48,6)
Input	Operating Current (mA)		700	700
Output				
Output				
Output				
	Nominal lifetime	58 000		
	Rated lifetime	58 000		
LLMF & LSF	LLMF - Lamp Lumen Maintenance Factor end of nominal life	80%		
LLMF & LSF	LSF - Lamp Survival Factor end of nominal life	90%		
	Installation environment	Indoor and outdoor		
	Ingress Protection	IP65		
	Warm-up time to 60% light output	Instant full light		
	Starting time	0,5 seconds (max) will depend on driver used		
	Max Tc	75°C		
	Ambient temperature (Ta)	-30°C to +55°C		
	Nominal beam angle	120°		
	Rated beam angle	120°		
	Suitable for accent lighting	No		
	Switching cycles	1 500 000 (min)		
	Dimmable	Yes (depends on driver used)		
	Cap	G5		
	Tube and cap material	Glass and PC		
	Mercury Content	0		
	Notice	When replacing flourescent lighting, light distribution and overall energy efficiency will be determined by the design of the installation		

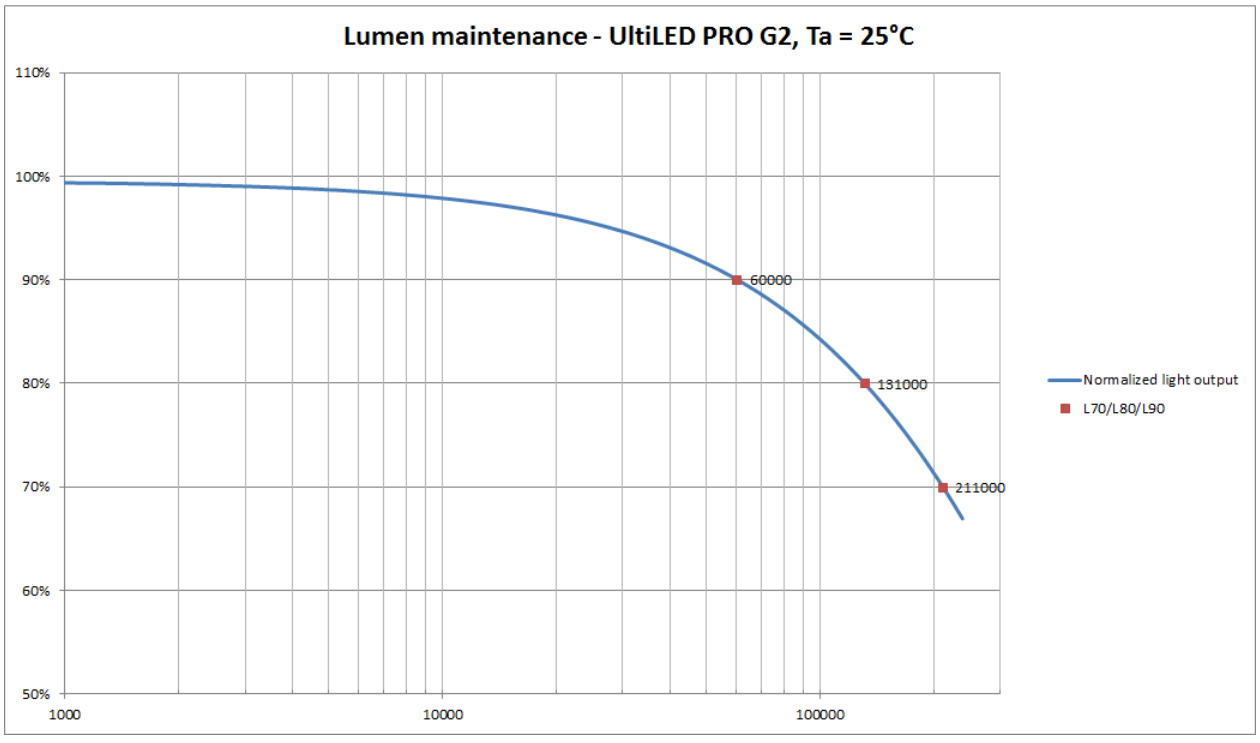
Spectral distribution 3000K



Spectral distribution 4000K



Calculated LED Lifetime h (TM-21)	L70	L80	L90
	211 000	131 000	60 000

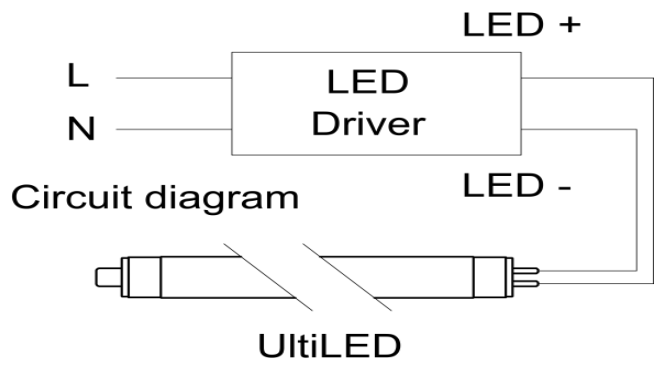


Installation guide – UltiLED PRO
This guide explains the steps necessary to install UltiLED PRO inside a luminaire and ensure optimal performance. The guide is only for reference and is intended for qualified electricians or lighting technicians.

Installation 6 steps:
1) Make sure that the right type of driver is within the luminaire. (A SELV driver is recommended. Should a non-SELV driver be used that still meets the requirements of the tube, power to the luminaire should be disconnected prior to installing or changing the UltiLED tube if the UoutMax (no load voltage) is equal to or greater than 400V.)

2) Unpack the UltiLED PRO tube.
a) Carefully examine the product
b) Do not use the product if it's damaged
3) Make sure that the active side (metal pin side) is connected to the active side within the luminaire.
See picture below.
a)The UltiLED PRO tube is bipolar so the LED+ and LED- side doesn't matter.

UltiLED PRO is not a retrofit LED lamp for T8 or T5 replacement application. An external LED driver complying for European safety & performance norms should be used. All light fitting manufacturers should conform to the international standards IEC 60598-luminaires



4) Make sure that the UltiLED PRO is turned into the luminaire so that the light output is directed the desired way.
5) Reconnect power to the luminaire and turn it on.

Additional information
- because of external power supply, tubes can only be used in therefore suitable luminaires.
- installation instructions and warnings are provided with the products
- to avoid dangerous situation for end user, the tube is double/re-inforced insulated from live parts.
- LED tube is recommended to be used with certified SELV LED driver

Limitation of use
Due to dimension of the and cap, the LED tubes can only be used with lampholders which are provided with rotor in the middle.