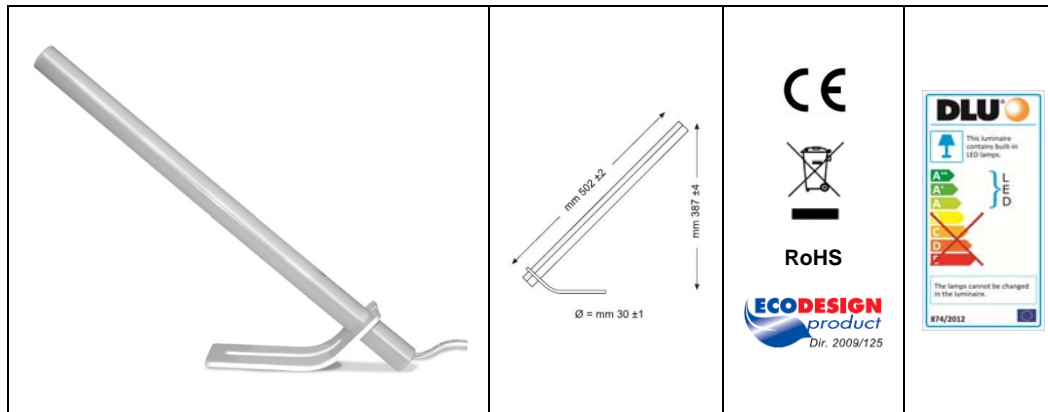

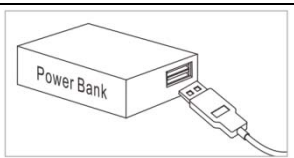
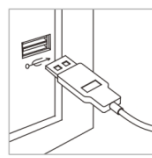

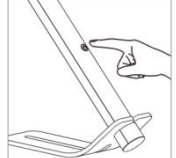



LED FIXTURES SMARTUBE TOUCH-DIMMABLE



Table/Wall/Suspension lighting fixture made by a LED tube with external body in polycarbonate with integrated LED driver for 5VDC by USB port, or cellular phone-charger or Power Bank, with cord 2m long; adjustable by the integrated touch-dimmer/ON-OFF switch if geared by the USB port of a PC; base and accessory hook for suspension made in polycarbonate.

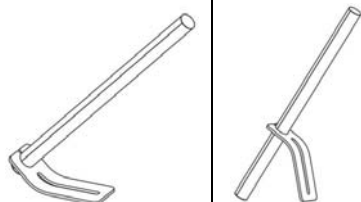


CODE	V _{in}	P _{nom} (W)	Luminous Flux (lm)	T _c (K)	R _a
SMARTUBE6-R	5 VDC via USB port	6	450	2700	> 80

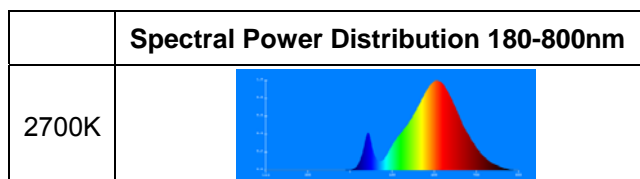
Operating electric conditions	5VDC through USB port			
	5VDC power supply (a phone-charger for example)			
Insulating Class	III			
Adjustable 0-100% by the integrated touch-dimmer/switch if geared through the USB port of a PC				
For indoor use only				
Recommended ambient temperature	t _a = -10 ÷ 40°C			
Useful Lifetime	20.000h L70 (T _a =25°C)			
Protection degree	IP20			
Weight	200g			
Lamp Survival Factor @6000h	0.90			

Lamp Lumen Maintenance Factor @6000h	0.80
Lamp Lumen Maintenance Factor @20.000h	70% (L70)
Starting time	< 0.4s
Number of Switching cycles before failure	> 10.000
Warm-up time (to 95% of the steady-state lumen output)	< 2.0s
Failure rate @1000h	< 5.0%
Colour consistency	MacAdam ellipses step ≤ 6
Mercury and dangerous substances	Absent
UV and IR radiation	Absent


LED fixture classified RISK GROUP 1 in application of the EN 62471:2008 (CIE S009:2002) standards "Photobiological safety of lamps and lamp systems" and in application of the European Directive 2006/25 on the minimum health and safety requirements regarding the exposure of workers to risks arising from physical agents (artificial optical radiation).

Possible uses of the SMARTUBE

Table lamp	Two different positions permitted by the sustaining bar	
Wall lamp	The sustaining bar can be used to mount the fixture at the wall	
Suspension for outdoor activities (not-wet conditions only)	The accessory hook can be used to suspend the fixture. The fixture can be geared by the 5VDC port of a car.	



Reference European Standards: EN60598-1; EN60598-2-4; EN62031; EN62471; EN55015; EN61000-3-2; EN61000-3-3; EN61547; EN62493
 European Directives and Regulations: 2014/30; 92/31; 93/68; 2009/125 (Reg.no.1194/2012; no.1428/2015); 2012/27 (Reg.no.874/2012; Reg.no.1369/2017); 2011/65; 2012/19

	<p>Correct disposal of this product (Waste Electrical & Electronic Equipment) - Applicable in countries with separate collection systems</p> <p>This graphic symbol placed on the product and on the package indicates that the product should not be disposed with other household waste. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and responsibly recycle them to promote the sustainable reuse of material resources. Household users should contact either the retailer where they purchased the product, or their local government office, for details on where and how they can take these items for environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract: this product should not be mixed with other commercial wastes for disposal.</p>
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