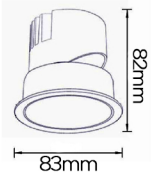


## ZENA



8W: Ø 82 - 83mm 75mm  
 12W: Ø 82 - 83mm 75mm

IEC 62717 LED-modules for general lighting – Performance requirements  
 IEC 62722-2-1 Particular requirements for LED luminaires

High Lumen Efficacy 115lm/W  
 Body - Die cast aluminum housing with solvent free powder coating  
 Diffuser - PMMA polycarbonate pattern lens.  
 Glowing Wire Test - 850°  
 Temperature -  $t_a=20\text{ }^\circ\text{C} \sim t_a \text{ max}=50\text{ }^\circ\text{C}$   
 Class - III

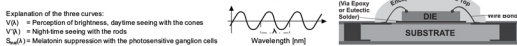
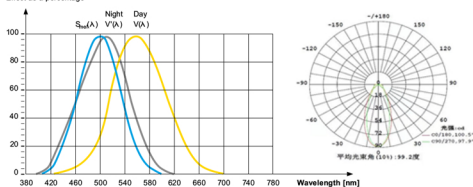
Simple and easy appearance, in line with contemporary aesthetic concept. The product has the structure and appearance design patent. The lamp body adopts high-pressure cast aluminum and aluminum alloy, the surface is coated with outdoor used powder, double anti-corrosion to extend service life. This lawn lamp series uses LED. High efficiency constant current driver, ensure the light source is maximum used.

### FIELDS OF APPLICATION

Office & Education, offices, open-plan offices, conference rooms, conference rooms, reception areas, counters, galleries, hotels, restaurants, living spaces

Item No.	Wattage	Lumen	Color Temperature	IP	vollt	CRI	PF	Beam Angle
122008302ZEN	8W	115lm/W	2700K-3000K- 4000K-6000K	IP44	24 V	90	0.9	15°, 24°, 36°, 60°
122012302ZEN	12W	115lm/W	2700K-3000K- 4000K-6000K	IP44	24 V	90	0.9	15°, 24°, 36°, 60°

Relative spectral perception of brightness and melanic effect  
 Effect as a percentage



### Technical Details

Light Sour SPOT LIGHT  
 Driver on/off, Dimmable Phase dimming, 1-10, Dalí  
 Voltage -----  
 Life Span 35000Hr  
 Temperature  $t_a=20\text{ }^\circ\text{C}-50\text{ }^\circ\text{C}$   
 Diffuser -----

### Product Details

Finish White/inner white  
 Material White/ inner black aluminium.  
 Application -----  
 Warranty 3 YEARS  
 Class -----

LED life time		Operating time 1,000 h											
Lamp Lumen Maintenance Factor	1	10	20	30	40	50	60	70	80	90	100		
	1	1	1	1	1	1	1	1	0.99	0.99	0.99		
L80	50,000 h	LLMF	1	0.96	0.92	0.88	0.84	0.80	0.76	0.72	0.68	0.64	0.60
		LSF	1	1	1	1	1	1	0.99	0.99	0.99	0.99	0.98
L80	100,000 h	LLMF	1	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82	0.80
		LSF	1	1	1	1	1	1	1	0.99	0.99	0.99	0.99



LED series wiring

