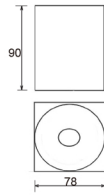
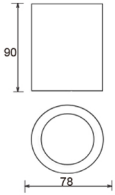


# LEO-RO

# LEO-SQ



12W:Ø 78-90mm

12W:Ø 78-78-90mm

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 - ta=20 °C ~ ta max=50 °C  
Class - III

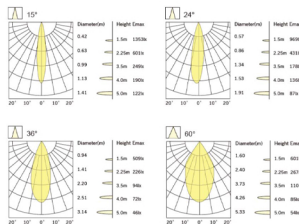
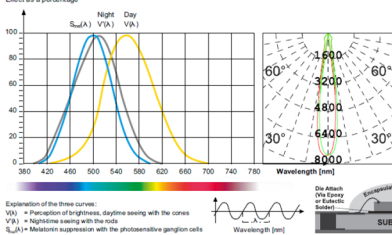
Simple and easy appearance, in line with contemporary aesthetic concept. The product has the structure and appearance design patent. The lamp body adopts high-pressure cast aluminum and aluminum alloy, the surface is coated with outdoor used powder , double anti-corrosion to extend service life. This 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 passage

Item No.	Wattage	Lumen	Color Temperature	IP	vollt	CRI	PF	Beam Angle
622012302-leo-R	12 W	151lm/W	3000 - 4000 - 5000 k	IP 65	220	90	0.9	36°
622012301-leo-R	12 W	151lm/W	3000 - 4000 - 5000 k	IP 65	220	90	0.9	36°
622012302-leo-sq	12 W	151lm/W	3000 - 4000 - 5000 k	IP 65	220	90	0.9	36°
622012301-leo-sq	12 W	151lm/W	3000 - 4000 - 5000 k	IP 65	220	90	0.9	36°

Relative spectral perception of brightness and melanopic effect



### Technical Details

Light Sour Surface  
Driver on/off, Dimmable  
Voltage Phase dimming, 1-10  
Life Span 220-240V /24V  
Temperature 35000Hr  
Diffuser ta=20°C-50°C

### Product Details

Finish Black, white  
Material Dia cast aluminum  
Application -----  
Warranty 3 YEARS  
Class -----

LED life time		Operating time 1.000 h											
Lamp Lumen Maintenance Factor	Lamp Survival Factor	1	10	20	30	40	50	60	70	80	90	100	
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

