



**Bollard Light**

Simple and easy appearance, in line with contemporary aesthetic concept. The product has the structure and appearance design patent. The lamp body adopts stainless steel outdoor used anti-corrosion to extend service life. This range uses LED. High efficiency constant current driver, ensure the light source is maximum used. Homogenous symmetrical or asymmetrical lighting distribution

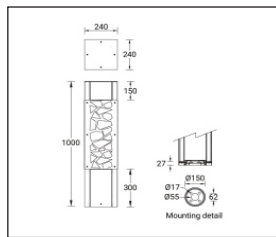
IEC 62717 LED-modules for general lighting – Performance requirements  
IEC 62722-2-1 Particular requirements for LED luminaires

High Lumen Efficacy 27lm/W  
Body - Extruded aluminium housing and frame  
Diffuser - Clear toughened glass  
Glowing Wire Test - 850°  
Temperature - ta=-20 °C ~ ta max=60 °C  
Class - I

**FIELDS OF APPLICATION**

Outdoor Gardens, Parks, Pathways,

Model --- **R71**

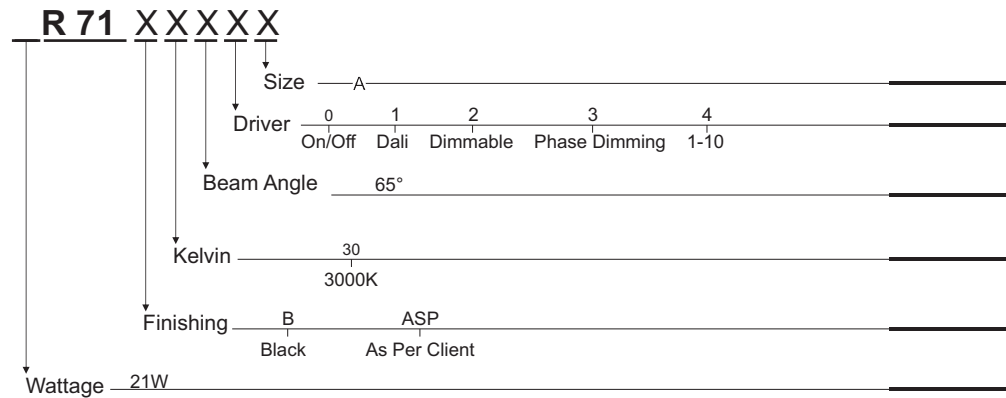


**A - 240 x 240 x 1000mm**

Default Available

**21R71-BK-30-65-0-A**

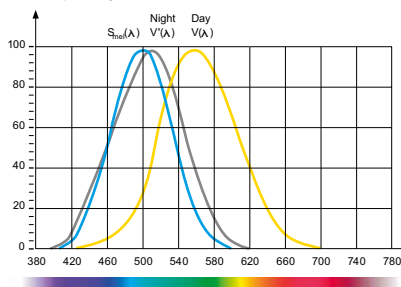
Product Assistant Chart



Lighting Customization Solution can offer you modifications for environment with higher options as a customized product.

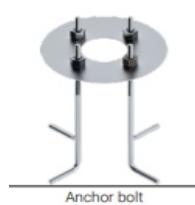
IP 65 IK 08 LED AC220~240V

**Relative spectral perception of brightness and melanopic effect**  
Effect as a percentage

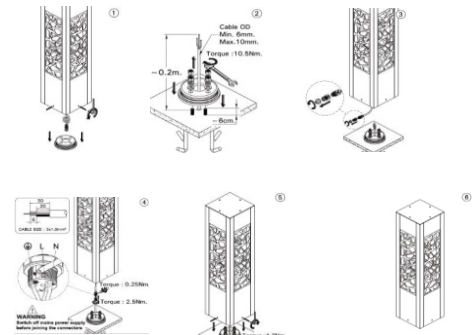


Explanation of the three curves:  
V(A) = Perception of brightness, daytime seeing with the cones  
V(A) = Nighttime seeing with the rods  
S<sub>m</sub>(A) = Melatonin suppression with the photosensitive ganglion cells

**Accessories**



**Installation**



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
		LSF	1	1	1	1	1	1	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
		LSF	1	1	1	1	1	1	1	0.99	0.99	0.99



LED

CR> 90

series wiring



CE



LM-80

