



GOBO Light

Portable static image LED projector lights are available at club entrances and interiors. Project the club's Logo outdoors or project the welcome speech about the club indoors, which can not only improve the club's level but also show the club's kindness to its members. The 20W small GOBO projector lights have a high luminescence rate, which can be clearly imaged on a well-lit street or in a dark room.

**FIELDS OF APPLICATION**  
Indoor and Outdoor Areas

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

High Lumen Efficacy 1800~2000lm  
Aluminum Alloy  
Glowing Wire Test - 850°  
Temperature - ta=20 °C ~ ta max=50 °C  
Class - I

## Model --- **Q33**



**A - 220 X 70 X 200mm**

Default Available

**20Q33-ALU-65-110-0-A**



Product Assistant Chart

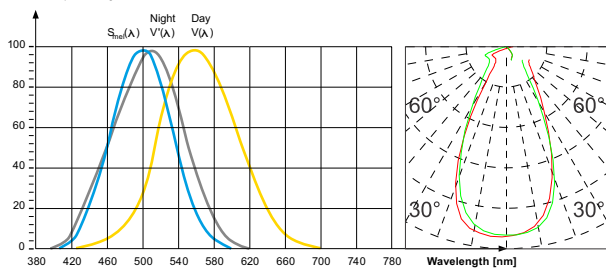
<b>Q33</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>					
Size	A									[ ]
Driver	0	1	2	3	4					[ ]
	On/Off	Dali	Dimmable	Phase Dimming	0-10					
Beam Angle	110°									[ ]
Kelvin	65									[ ]
	6500K									[ ]
Finishing	ALU									[ ]
	ALUMINUM									[ ]
Wattage	20									[ ]

Lighting Customization Solution offer the wide range of customized product with best available options.

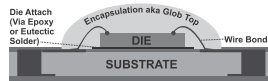
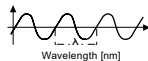
IP 65      IK 08      LED      McA Step 3      220~240V  
50-60Hz

### 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) = Night-time seeing with the rods  
S<sub>mel</sub>(A) = Melatonin suppression with the photosensitive ganglion cells



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

