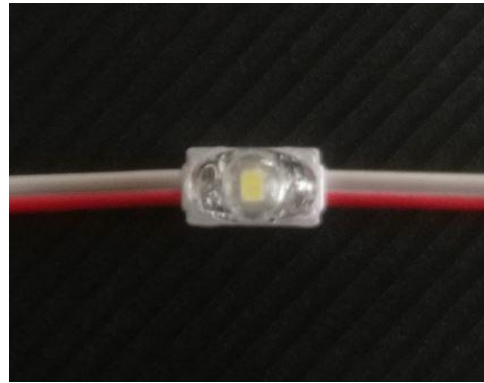




MODEL : GOQ 1 LED
WHITE SPECTRUM
M-1WS036



Characteristic

Most Preferred Best seller LED module : CE, UL, RoHS Certified

Power Consumption : 0.36W

LED provided by SAMSUNG (LED : 2835 TYPE)

SMD LED mounted : Made in Korea

LED Driver : Constant Voltage Driving System

Max. 50 modules in series

Design of a new and unique CAP TYPE Optical Lens

Each unit can be used to cut.

Best Viewing Angle : **180°**

The Smallest LED module

< Enhanced Function >

Stylish Appearance design : SHALLOW TYPE of Optical Lens

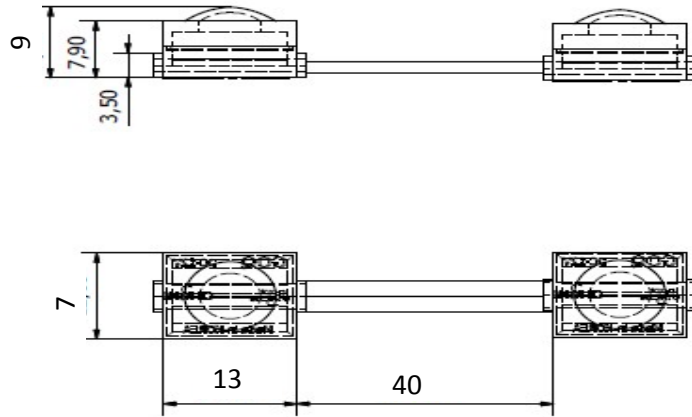
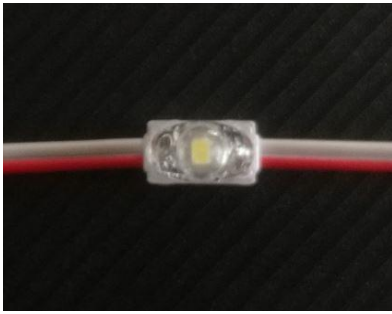
Design for Humid & Waterproof : IP68

Easy Installation & Maintenance

< Applications >

- * Small and Narrow size Channel letters
- * Flex light Box illumination
- * Duplex light Box illumination

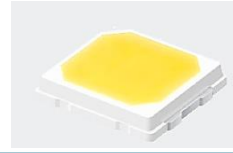
< Dimension >



< Specification >

Item	Value	Unit
Product No.	GOQ 1 LED WHITE SPECTRUM	
LED	2835 Type (2.8 X 3.5 X 0.65 mm)	
Power Consumption	0.36	Watt
Input Voltage	12	VDC
Input Current	30	mA
View Angle	180	°
Luminous intensity	75	lm(Typ.)
CRI	84	%
Module Pitch	40	mm
Size	7 X 13 X 9	mm
Weight	1.0g	g
Max. in Series	50	EA
Operating Temp	- 30 ~ 60	°C
Storage Temp	- 30 ~ 70	°C
Waterproof	IP68	
Cable	UL, 22AWG 300V/80°C	
Case materials	UL, ABS, HB-class	
Lens materials	UL, PC, HB-class	

< LED Specification >



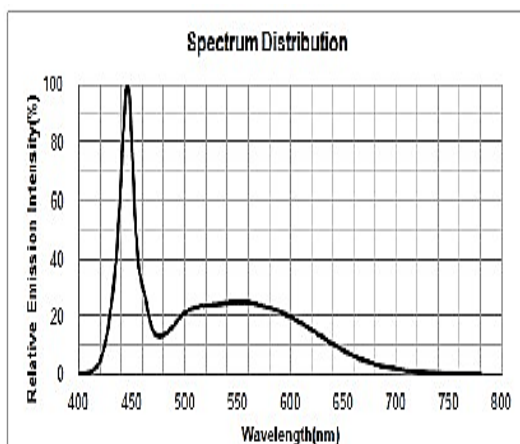
Absolute Maximum Ratings

Item	Symbol	Rating	Unit	Condition
Operating Temperature	T_a	-40 ~ +85	°C	-
Storage Temperature	T_{stg}	-40 ~ +100	°C	-
LED Junction Temperature	T_j	110	°C	-
Forward Current	I_F	150	mA	-
Peak Pulsed Forward Current	I_{Fp}	300	mA	Duty 1/10, pulse width 10 ms
Assembly Process Temperature	-	260 <10	°C s	-

Characteristics

Item	Unit	Nominal CCT (K)	CRI (R _a) Min.	Rank	Bin	Min.	Typ.	Max.	cd.
Forward Voltage (V _F)	V	CCT	80	BA	A2	2.9	-	3.0	-
					A3	3.0	-	3.1	-
					A4	3.1	-	3.2	-
					A5	3.2	-	3.3	-
					A6	3.3	-	3.4	-
					Luminous Flux (Φ _v)	lm	10000	75	A0
S2	50.0	-	55.0	14.5~16.0					
S3	55.0	-	-	16.0~					
Reverse Voltage (@ 10 uA)	V	-	-	-	-	10.0	-	-	-
Special CRI (R9)	-	-	-	-	-	0	-	-	-
Thermal Resistance (junction to solder point)	°C/W	-	-	-	-	-	24	-	-
Beam Angle	°	-	-	-	-	-	120	-	-

Spectrum (T_s=25°C)



Viewing Radiation Characteristics

