GOQ LED america
powered by SAMSUNG
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CIRA

CIRA-M-2GC048-GREEN

Features:

Most Preferred Best seller LED module : CE, UL, RoHS Certified
Power Consumption : 0.48W
LED provided by DKI
SMD LED mounted : Made in Korea
LED Driver : Constant Voltage Driving System
Max. 50 modules in series
Fabricated with a CAP TYPE Optical Lens
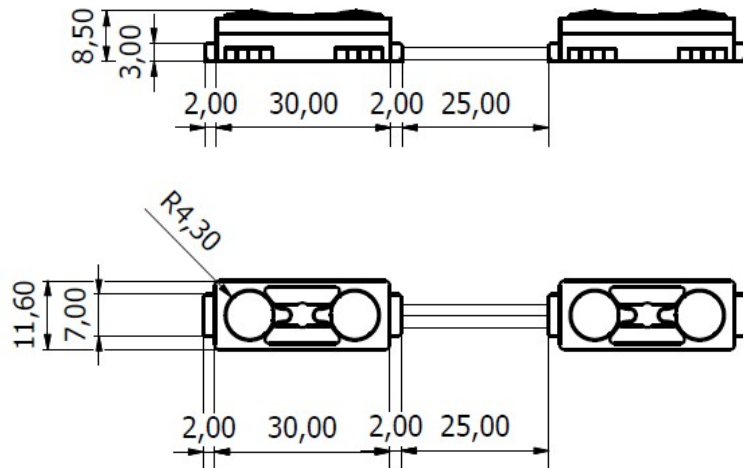Each unit can be used to cut.
Best Viewing Angle : **150°**

Enhanced Function

Stylish Appearance design : CAP TYPE
Design for Humid & Waterproof : IP68
Easy Installation & Maintenance

Applications
* Narrow and Close-fitting Channel letters
* Flex light Box illumination
* Duplex light Box illumination

< Dimension >

< Specification >

Item	Value	Unit
Product No.	M-2GC048	
Power Consumption	0.48	Watt
Input Voltage	12	VDC
Input Current	40	mA
View Angle	150	º
Luminous intensity	20	lm(Typ.)
CRI	80	%
Module Pitch	25	mm
Size	34 X 11.6 X 7.4	mm
Weight	3.8	g
Max. in Series	50	EA
Operating Temp	- 30 ~ 60	℃
Storage Temp	- 30 ~ 70	℃
Waterproof	IP68	
Cable	UL, 20AWG 300V/80℃	
Case materials	UL, ABS, HB-class	
Lens materials	UL, SAN, HB-class	

< LED Specification >

DKI Daekwang Illumination

Absolute Maximum Ratings

(Ta=25℃)

Item	Symbol	Absolute Maximum Rating	Unit
Forward Current	I_F	60	mA
Pulse Forward Current *1)	I_{FP}	180	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	132	mW
Operating Temperature	T_{opr}	−30∼+85	℃
Storage Temperature	T_{stg}	−40∼+100	℃

*1) I_{FP} conditions : Pulse with tw≤0.1ms, Duty ratio≤ 1/10

※ These values are based on 3 die performance

Electro-Optical Characteristics

(Ta=25℃)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	VF1	I_F=40mA	2.0		2.2	V
	VF2	I_F=10uA	1.5		2.0	
Luminous intensity	V	I_F=40mA	1400		1600	Mcd
Color Temperature	WD	I_F=40mA	619		626	nm
Reverse Voltage (1−die)	I_R	V_R=5V			10	uA
Half Angle	θ±	I_F=40mA		±60		Deg

Viewing Radiation Characteristics

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