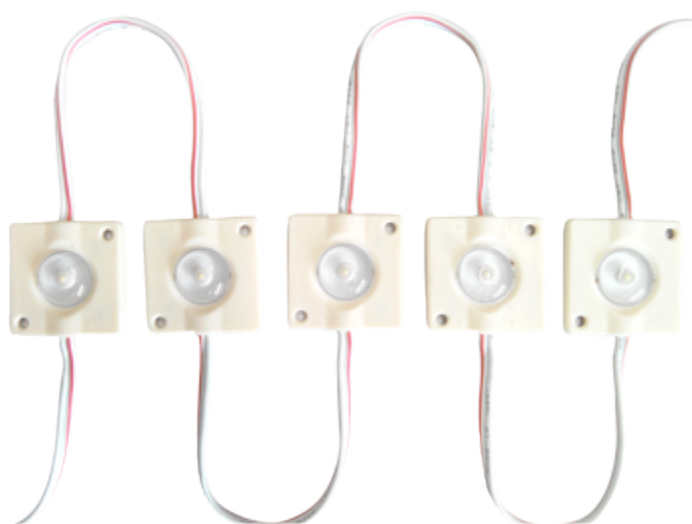


EdiCube Waterproof Datasheet



Features :

- High Brightness SMD LED
- Low Power Requirement & Energy Efficient
- Suitable for Restricted Space
- Waterproof Level IP65

Typical Applications :

- Advertising Brand Lighting

Specification :

- Color: ○

Table of Contents

General Information.....	3
Product Dimensions.....	4
Absolute Maximum Ratings	4
Electro-Optical Characteristics ($T_a=25^{\circ}\text{C}$)	4
Product Packaging Information	5
Environmental Compliance	5
Revision History	6
About Edison Opto	6

General Information

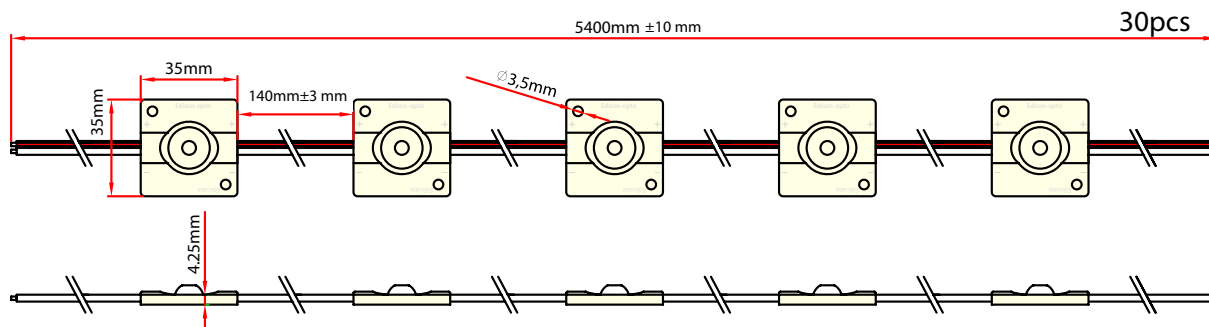
Introduction

Edicube is a high power LED module used for back light of advertising light box. It owns wide emitting angle of 160° and IP65 specification. Connected with specified wire length to be light bar make it can freely design the position of LED point source and it also can be freely cropped depending on the area in use.

Product Nomenclature

<u>6</u> X1		<u>LBDN</u> X2				<u>CW</u> X3		<u>X</u> X4	<u>0</u> X5	<u>30</u> X6		<u>XXXXX</u> X7	
X1		X2		X3		X4		X5		X6		X7	
Item		Patent Request		Color		Light Angle		Driver		LED No.		Serial No.	
6	Module	LBDP	Yes	CW	Cool White	0	Without Lens	0	No	30	30pcs	xxxxx	--
		LBDN	No			1	140°~149°						
						2	160°						

Product Dimensions



Notes:

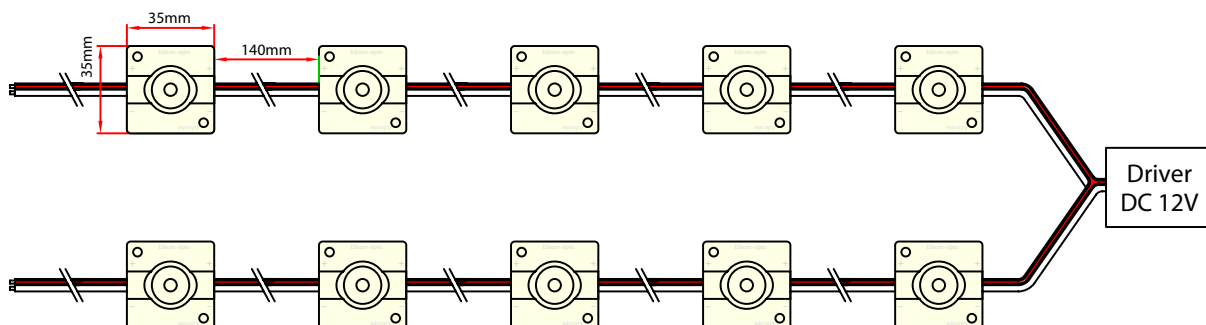
1. All dimensions are in millimeters.
2. Tolerance is ± 0.20 mm

Absolute Maximum Ratings

Parameter	Symbol	Value	Units
LED junction Temperature	T_j	125	$^{\circ}\text{C}$
Operating Environment Temperature	T_{opr}	-20 ~ +40	$^{\circ}\text{C}$
Storage Temperature	T_s	-20 ~ +60	$^{\circ}\text{C}$

Notes:

1. Proper current derating must be observed to maintain junction temperature below the maximum at all time.
2. LEDs are not designed to be driven in reverse bias.
3. Strongly recommended one power connection one set module, If over two set module recommended connection power between two FPC Module (Drawing).



Electro-Optical Characteristics ($T_a=25^{\circ}\text{C}$)

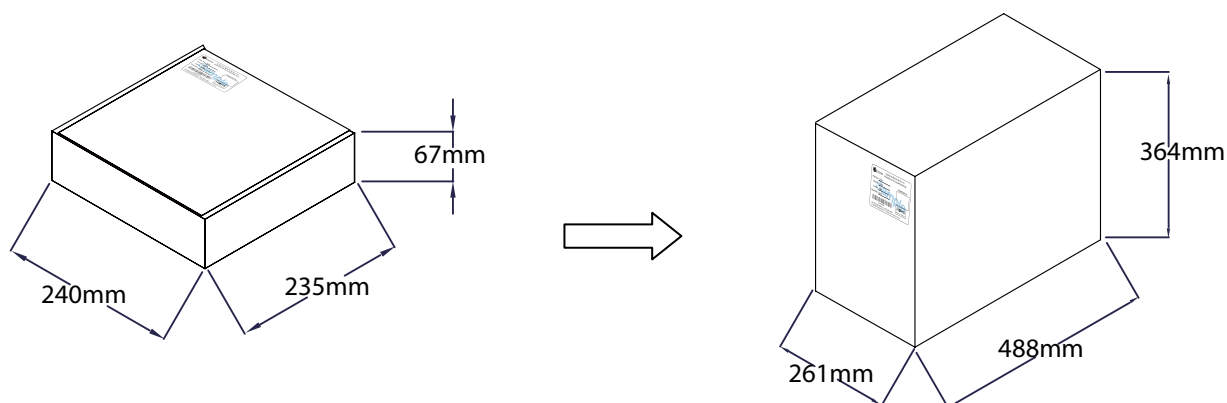
Order Code	Color	CCT (K)	Input Voltage (CV)	CRI	Number of LEDs	I_m	Power (W)	Forward Current (mA)
6LBDNCW203000001	Cool White	5300~6800	12	80	1	100	1.32	110
					30	2700	36	3000

Note:

CCT/Wavelength and Forward Current are measured with an accuracy of $\pm 10\%$

Product Packaging Information

Package Type	Part NO.	Dimension
Inside box	6LBR1PVNJ0000001	240mm x 235mm x 67mm
Outside box	10 Inside boxes	488mm x 364mm x 261mm



EX:

 艾笛森光電股份有限公司 EDISONOPTO CORPORATION	
Part No. : _____ Color : _____ Quantity : _____ Lot No. : _____	Inspected by: _____  
Tel +86-2-82276996 Fax +86-2-827-6997 4F No.800 Chung-Cheng ., Chug-Ho City Taipei. Taiwan	

Label information

Part NO. : Order code

Color : Color(Emitter BIN color)

Quantity : The number of packing

Lot NO. : Date code

Environmental Compliance

EdiCube series are compliant to the Restriction of Hazardous Substances Directive or RoHS. The restricted materials include lead, mercury cadmium hexavalent chromium, polybrominated biphenyls (PBB) and polybrominated diphenyl ethers (PBDEs) which are not used in EdiCube to provide an environmentally friendly product to customers.

Revision History

Versions	Description	Release Date
1	Establish order code information	2016/02/17
2	Change Characteristics Im	2016/04/02

About Edison Opto

Edison Opto is a leading manufacturer of high power LED and a solution provider experienced in LDMS. LDMS is an integrated program derived from the four essential technologies in LED lighting applications- Thermal Management, Electrical Scheme, Mechanical Refinement, Optical Optimization, to provide customer with various LED components and modules. More Information about the company and our products can be found at www.edison-opto.com

Copyright©2016 Edison Opto. All rights reserved. No part of publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photo copy, recording or any other information storage and retrieval system, without prior permission in writing from the publisher. The information in this publication are subject to change without notice.

www.edison-opto.com

For general assistance please contact:
service@edison-opto.com.tw

For technical assistance please contact:
LED.Detective@edison-opto.com.tw