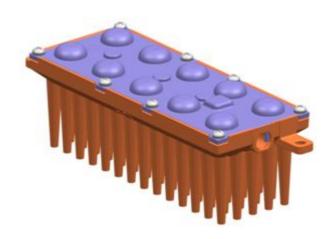
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LED Module

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SPECIFICATION



LED Module for Modular Platform Series		
Model Name	LED Platform Module with Fin	
Туре	CRI min. 70, 4000K, Flux Rank 3,	
.,,,,,	Type V-S, 351Z Ceramic	
Parts No.	SL-P7T2E35SZWW	

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REVISION HISTORY OF SPECIFICATION

REV. NUM	REVISION	PAGE	DATE	TRACED	APPROVED
1	The First specification established.	1~9	2014.12.05	_	S.A. Joo
2	Forward Voltage, Vf Changed	7	2015.03.03	-	S.A. Joo

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CONTENTS OF SPECIFICATION

1.	APPLICATION	4
2.	FUNDAMENTAL SPECIFICATIONS OF MODULE	6
3.	PARTS SPECIFICATIONS	7
4.	APPEARANCE AND STRUCTURE	8
5	PACKING SPECIFICATION	a

This is a product specification of SL-P7T2E35SZWW, one of SL-Puv2Ewaabcc. Please refer to relevant General and Special Application Notes for thermal, optical, electrical, mechanical design and reliability information.

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1. APPLICATION

Platform LED Module is designed as a core component in Modular Platform Engine Series for street light and flood light application. This document especially specifies Platform LED Module with Fin, generally recommended for luminaires with insufficient thermal management by the fixture itself.

1-1 Modular Platform Modules.

There are three different types of heat sink designs for Platform LED Module, intended for thermal management either by engine or by fixture.

This document especially specifies Platform LED Module with Fin for thermal management by Modules or Engines themselves.



(a) Module with Fin
[Thermal management by Module/Engine]



(b) Module without Fin [Thermal management by Fixture]

1-2 Modular Platform Engine Series

Typical operating current for one module is set at 700mA, which allows lumen output increment by 2100lm(nominal value) depending on the number of LED modules.

1-2-1 Lumen Packages with LED Driver

Power Consumption (Engine, Nominal)	Modules (ea)	Driver Output Channels (ea)	Operating Current (mA)	Lumen Output (Im)
25W	1	1	700	2100
50W	2	1	700	4200
75W	3	1	700	6300
100W	4	2	700	8400
150W	6	2	700	12600

 $[\]divideontimes$ This Module is recommended using a Isolated PSU.

1-2-2 Current Distribution across Modules

Current per module can vary depending on the Vf distribution of modules in parallel, deviating from the nominal operating current(700mA). The Vf distribution of modules is tightly controlled to achieve uniform driving currents.

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1-2-3 Optic Solutions

Application	Light Distribution	Solutions	Material
	IESNA Type I	Medium(1)	PC
	IESNA Type II	Short(1), Medium(1), Medium(2)	PC
Street Light	IESNA Type III	Medium(1)	PC
	IESNA Type IV	Medium(1)	PC
	IESNA Type V	Short(1)	PC
Flood Light	Medium	Batwing(BA85)	PC

* BA : Beam Angle, PC : Polycarbonate

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formity				
16.0m 20.0m				
V0H+				
HOV-				
* The isolux diagram is drawn at the luminaire height of 5m.				
 IES files(in IESNA or CIE format) are available with Optical Application Notes. Dimension				
box				
~ 25℃)				
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f modules are				
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No.	ARTICLE	SPECIFICATIONS					
	Electrical Specification of Platform LED Module @700mA (stabilized at Tc~65℃)						
	Article	Symbol	MIN	TYP	MAX	Unit	Remarks
	Power Consumption	Р	-	21	25	W	30V x 0.7A, module only
	DC Forward Current	I	-	700	700	mA	per 1 Module [700mA /PKG 1EA,TYP.]
	Forward Voltage	Vf	26.0	30.0	33.0	V	per 1 Module [3.0V/PKG 1EA, TYP.] 10 LEDs in Series
	Type Classification	Built-in module . Risk Group 2					
	Eye Protection						
2-7	Working Voltage for Insulation	r · 50V					
	* The power consumption for a specific module is dependent on the operating voltage distribution across the modules in parallel connection. The maximum operating current means the highest limit in any operating condition.						
	※ Typical and Maximum Operating Current may have ±5% Tolerance						
	 Voltage difference between modules are tightly controlled to be less than 1.0V so the the maximum current of any module can be limited to 700mA. Voltage bins of modu will be designated on the module label and box label. Safety and wiring information will be described in Electrical Application Notes. 					be less than 1.0V so that mA. Voltage bins of modules	
						Application Notes.	
	We recommend users to attach the surge protector to a PSU or to use a PSU that equipped surge protect circuit suitable for the user's atmosphere condition.						

3. PARTS SPECIFICATIONS

No.	ARTICLE	SPECIFICATIONS	
3-1	Lens Cover Screw	Material : Stainless Steel with Teflon Washer Location : between the array lens and heat sink	
3-2	Array Lens Cover	 Material: Polycarbonate Thickness: 2.0 mm Lens Type: Type V-S UL-94 Flammability: V-2 ** Protective Equipment in Luminaries needs to prevent flaming drips. 	
3-3	Seal Rubber	· Material : Molded Silicone	
3-4	LED Board	 LED: Ceramic PKG, CCT 4000K, CRI min. 70 Material: MCPCB, Aluminum Thickness: 1.6 mm Stainless Steel Screws: 3ea 	
3-5	Side Inlet Harness	 Material: Molded PVC coated with Sealant Silicone, 105°C rating Wires: 24 AWG, 105°C rating, 550mm Length 	
3-6	Heat Sink (with Fin)	Material : Die-cast Aluminium Thermal Pad between the PCB and Heat Sink	

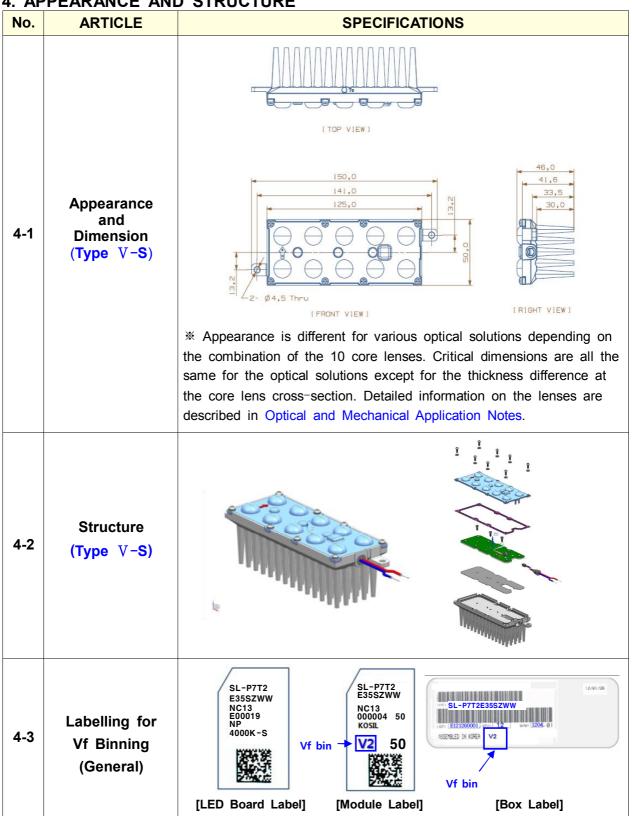
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4. APPEARANCE AND STRUCTURE



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5. PACKING SPECIFICATION

5-1 Packing Method

5-1-1 Inner Box: 6 modules of the same Vf bin in one inner box

6 PCs/Inner Box



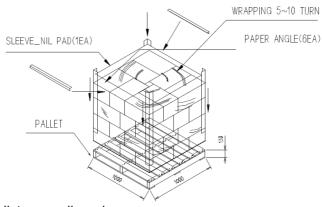
5-1-2 Outer Box: 12 modules on 2 stacks of inner boxes in one outer box

2 Stacks of Inner Boxes (419 x 240 x 189)





5-2 Pallet: 32 boxes(384 modules) on one pallet



* Two stacks of pallets are allowed.