

Technical Specification Sheet

PN: 40W LED PANEL LIGHT

Model: CRH-PL06060240-T312W (W/N/D)

Edition: A.0

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Drafted by	Reviewed by	Standardized by	Approved by

1. Purpose and applicable scope

1.1 Purpose:

The technical specification sheet defines the technical standard of model no. CRH-PL06060240-T312W (W/N/D) of Coreach.

1.2 Applicable Scope:

The technical specification sheet is applicable for the manufacturing and inspection of model no. CRH-PL06060240-T312W (W/N/D) of Coreach.

2. Basic Product Description

Model No.: CRH-PL06060240-T312W (W/N/D) belongs to one type of indoor commercial lighting/lighting sources/outdoor lighting. It is rated with 36W input power and AC85V-265V voltage with practical LED panel light, under 25°C natural heat sinking condition. Stable power consumption.

3. Electrical Performance

3.1 Input Characteristics

Item	condition	unit	min	Typical	max	remark
Input Voltage	/	(V)	85V	220V	265V	
Input Current	200V	(A)	0.18			
	240V		0.15			
Power Consumption	/	(W)	38	40	42	Steady state
Frequency	200V	%	0.86			
Power Factor			0.84			
	240V					
THD	50Hz					
	200V		0.95			

3.2 Output Characteristics

Item	condition	unit	min	Typical	max	remark
Output Voltage	/	(V)	25	36	42	
Output Current	/	(mA)	850	900	950	
Current Tolerance	5%					

3.3 Protecting Function

Item	Condition	Test Result	Remark
Output short-circuit protection(OLP)	Drive power supply can provide output instantaneous short circuit protection, output short circuit after removal, can automatically recover the output	OK	
Output over voltage protection(OVP)	/	OK	
Over temperature protection/ OTP(degC)	When the power supply overheating, gradually reduce the output current, reduce the power to control chip and power supply temperature, chip set to overheating adjust internal temperature is 150 °C	/	

3.4 Power o/off Characteristics

Item	Condition	Unit	Test Result	Remark
Boot Time	/	S	<1	
	/		<1	
ON/OFF testing Switching Cycles	/	/	/	
	/		/	

3.5 Relative Standards and Directive Compliance

Standard	Relative Standards and Directive
CE	√
ROHS	/
EMS	/
ERP	/
FCC	/
UL	/

3.6 Environmental Condition

Item	Unit	Min	Typical	Max	Remark
Operating temp.	°C	-20	25	+40	
Storage temp.	°C	-40	25	+80	
Storage humidity	%	10	/	90	
Operating humidity	%	10	/	90	

4. Optical parameters Characteristics

Item		Unit	Min	Typical	Max	Remark
Color Temp.	Warm white	(K)	2500	2700	3000	
	Nature white	(K)	3800	4000	4300	
	Daylight white	(K)	5700	6100	6500	
CRI(Ra)	Warm white		80	/	/	
	Nature white		80	/	/	
	Daylight white		80	/	/	
Luminous flux	Warm white	(Lm)	3700	3800	/	
	Nature white	(Lm)	3800	3900	/	
	Daylight white	(Lm)	4000	4100	/	
Luminous Efficacy	Warm white	(Lm/W)	97	100	/	
	Nature white	(Lm/W)	97	100	/	
	Daylight white	(Lm/W)	97	100	/	
Luminous Intensity		(cd)	/	/	--	
Beam Angle		degree	/	120	--	
Dimming		☐ YES ☒ NO				
Body sense		☐ YES ☒ NO				
Lifespan(L70) at 25deg		50000H				
IP Protection Class		IP20				

PS:Luminous flux is cold state data

5. LED Chip/Package Characteristics

LED Chip	☐ Epistar ☐ SSC ☐ Samsung ☐ OSRAM ☐ CREE ☐ SHARP ☒ COREACH ☐ other
LED model no.	4014
Number of LED used	312pcs

6.Dimension & Drawing of products

Item	Spec.		
	min	Typical	Max
Diameter(mm)	/	600/595	/
MOL(mm)	/	600/595	/
Net Weight(g)	/		