

Inspection of raw materials

(1) LED light source incoming material inspection

Inspecting item	Specification requirements	Descriptions of shortcomings	Judge		
			CR	MA	MI
Pack	The outer packing box shall be able to effectively protect the materials from damage during transportation	Outer box deformation and breakage			√
	LED light source small packaging should be antistatic vacuum packaging.	Non-antistatic bag or packaging leak		√	
Quantity	The requirement is consistent with the quantity ordered (submitted for inspection)	Deviation from the quantity (submitted for inspection)			√
Surface	Package marked with product model, BIN grade, production date, quantity, etc	The annotation is not clear		√	
	LED pad (welding foot) surface is not dirty or oxidation phenomenon	The welding foot is contaminated or oxidized	√		
Size	The LED dimensions shall comply with the product specification	Not in conformity with the product specification	√		
Other items	Color temperature: The actual color temperature shall be at the nominal value of $\pm 250K$	The measured color temperature deviation is $> 250K$	√		
	Leakage current: IR 10 uA (reverse voltage super forward voltage drop 2V test)	Measured leakage current is $> 10 uA$	√		
	VF value: under the light source classification condition, the VF value matches the identification	The measured VF value does not consistent with the identification		√	
	Optical flux: the light source in the rated current, the measured optical flux is consistent with the identification	The measured optical flux is $<$ that of the nominal value		√	

(2) PCB board incoming inspection

Inspecting item	Specification requirements	Descriptions of shortcomings	Judge		
			CR	MA	MI
Pack	The box shall effectively protect the materials from damage during transportation	Outer box deformation and breakage			√
Quantity	The requirement is consistent with the quantity ordered (submitted for inspection)	Deviation from the quantity (submitted for inspection)		√	
Surface	Weld pad: no oxidation and pollution are allowed;	There is oxidation and pollution	√		
	Ink: meet the procurement technical requirements, is not allowed to have yellow;	Not consistent with the procurement technology, yellow phenomenon		√	
	Silk printing: meet the procurement technical requirements, clear handwriting;	Not consistent with the procurement technology, blurred handwriting			√
Size	Overall size, hole size and accuracy, plate thickness and copper foil thickness meet the design requirements	Relevant dimensions do not match the design	√		
Other items	Warping: 2 (mm / M)	Diagonal warping degree > 2 (mm / M)		√	
	Pressure withstand test: 1.5KV (DC) for 60S without breakdown, hit Mars phenomenon	Being broken down or hit Mars	√		
	Copper and platinum thickness: meet the procurement technical requirements	(The company does not have the inspection ability; require the manufacturer to provide the quality guarantee certificate)	√		



(3) Lamp housing production and quality inspection

Inspecting item	Specification requirements	Descriptions of shortcomings	Judge		
			CR	MA	MI
Pack	The outer packing box shall be able to effectively protect the materials from damage during transportation	Outer box deformation and breakage			√
Quantity	The requirement is consistent with the quantity ordered (submitted for inspection)	Deviation from the quantity (submitted for inspection)			√
Surface	No spots, impurities; no scratches, or cutting;	There are spots and impurities		√	
		There are scratches and cutting fronts			
	The color meets the technical requirements of procurement	Not with the procurement technical requirements		√	
Size	Compliance with the procurement requirements and the technical drawings	Not in conformity with the technical drawings	√		

(4) Sheet metal parts incoming material inspection

Inspecting item	Specification requirements	Descriptions of shortcomings	Judge		
			CR	MA	MI
Pack	The box shall effectively protect the materials from damage during transportation	Outer box deformation and breakage			√
Quantity	The requirement is consistent with the quantity ordered (submitted for inspection)	Deviation from the quantity (submitted for inspection)			√
Surface	The surface without rust, no burr front, the whole batch of incoming appearance consistency is good	The surface has rust and burr edges		√	
	Surface coating: meet the procurement technical requirements	Not with the procurement technical requirements	√		
Size	Meet the procurement technical requirements and design drawings requirements, important size zero defects	Not consistent with the drawings; the important dimensions deviate	√		
Others	Material: the material of the plate gold parts is consistent with the procurement technical requirements.	Different from the design requirements	√		
	Performance: the test assembly and use performance meet the design requirements	Assembly does not meet the service performance requirements	√		

(5) Inspection of packaging materials

Inspecting item	Specification requirements	Descriptions of shortcomings	Judge		
			CR	MA	MI
Pack	The box shall effectively protect the materials from damage during transportation	Outer box deformation and breakage			√
Quantity	The requirement is consistent with the quantity ordered (submitted for inspection)	Deviation from the quantity (submitted for inspection)			√
Surface	Silk printing: the surface printing word requirement is clear and the text content meets the design requirements	The lake is not clear, the text content and design do not conform to		√	
	The surface of packaging is not damaged or contaminated; paper packaging is not damp	The surface is damaged and contaminated; the paper packaging is damp		√	
Size	The length, width and height meet the design requirements of procurement search technology	The length, width and height dimensions deviate from the design requirements above 0.5CM	√		

(6) Material supply inspection for the joint connector

Inspecting item	Specification requirements	Descriptions of shortcomings	Judge		
			CR	MA	MI
Pack	The box shall effectively protect the materials from damage during transportation	Outer box deformation and breakage			√
Quantity	The requirement is consistent with the quantity ordered (submitted for inspection)	Deviation from the quantity (submitted for inspection)		√	
Surface	Manufacturers, product name and model are clearly identified	Unclear or no identification		√	
Others	Metal parts: no oxidation phenomenon	There is oxidation now	√		
	Performance: the test assembly and use performance meet the design requirements	Assembly does not meet the service performance requirements	√		

(7) Fastener material inspection

Inspecting item	Specification requirements	Descriptions of shortcomings	Judge		
			CR	MA	MI
Pack	The box shall effectively protect the materials from damage during transportation	Outer box deformation and breakage			√
Quantity	The requirement is consistent with the quantity ordered (submitted for inspection)	Deviation from the quantity (submitted for inspection)		√	
Surface	Bright color, pollution-free, no rust trace	There is rust and pollution	√		
Material inspection	The standard parts shall be made of GB 304 stainless steel (except for special requirements); the magnet shall not absorb the standard parts.	Can be sucked up by a magnet	√		