



ENERGY STAR Verification Testing Cover Letter

Energy Star MFR Partner:	Shenzhen goldsuno opto-electronic technology Co. Ltd.
Partner ID:	1130698

Tested Model Number(s):	JXL-TZ06-T12W-UDH-3000K	
Brand name(s):	GOLDSUNO	
Laboratory Name:	UL Verification Services Inc.	
Laboratory EPA ID:	1119581	
Laboratory Tracking #:	13362090	
ENERGY STAR Specification:	Program Requirements for Luminaires, Version 2.1	
Pass(P) or Fail(F):	Pass	
Relevant Test Results:		
Efficacy	81.24	lumens/watt
Light Output	968.6	lumens
Zonal Lumen Requirement (Directional Luminaires except Inseparable SSL Luminaire and Non-Directional SSL Surface Mount Retrofit) (0-60°)	79.3	%
Lumen Maintenance	>36,000	hours
CCT (Indoor Luminaires Only)	2988	K
CRI (Indoor Luminaires Only)	81.6	
R9 (Indoor Luminaires Only)	4.1	
Power Factor:	0.984	
Maximum Measured Ballast or Driver Case Temperature	61.7	°C
Start Time (Indoor Luminaires Only)	112.4	milliseconds
Run-Up Time (Fluorescent Luminaires Only)	N/A	seconds
Color Angular Uniformity (Directional Solid State Indoor Luminaires Only)	0.0004	
Color Maintenance (Solid State Indoor Luminaires Only)	0.0020	
Off-State Power Consumption (Only Luminaires Employing an Integral Method of Switching)	N/A	watts

UL Project No./VS Online No.:	13362090		
Project Handler:	Shivani Vyas	Reviewed by:	Jeffery Lockner / Wendy Wang
Issued: (yyyy-mm-dd)	2020-07-13	Revised: (yyyy-mm-dd)	N/A

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