

PUREEDGE LIGHTING LLC

TEST REPORT

SCOPE OF WORK

Audible Noise

MODEL NUMBER(s)

CFDB-7W-***-24-**K-**

CFDB-7W-***-48-**K-**

PROJECT NUMBER

G104797632

REPORT NUMBER

104797632CRT-001

ISSUE DATE

7/29/2022

REVISED DATE

None

TEST DATES

7/27/2022



REPORT NUMBER

104797632CRT-001

MODEL NUMBER(s)

REPORT RENDERED TO:

PUREEDGE LIGHTING LLC
1718 W FULLERTON AVE
CHICAGO, IL 60614-1922
USA

AUTHORIZATION

The testing performed was authorized by signed quote number Qu-01199885-2.

TEST STANDARDS

ENERGY STAR® Program Requirements for Luminaires Version 2.2

CEC-400-2018-021-CMF Appendix JA8 - Qualification Requirements for High Efficacy Light Sources

In Charge of Testing:



Ryan Siddon
Manager, Operations & Engineering
Acoustical Division

Reviewer:



Brian Cyr
Engineer
Acoustical Division

This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

SAMPLE INFORMATION

REPORT NO. 104797632CRT-001

ITEMS RECEIVED

Item No.	Control No.	Model No.	Description	Type	Received Date	Sampling Date
1	CRT2207220954-001-1	CFDB-7W-***-24-**K-**	Linear Luminaire	Production (Used/Tested)	6/28/2022	N/A
2	CRT2207220954-001-2	CFDB-7W-***-48-**K-**	Linear Luminaire	Production (Used/Tested)	6/28/2022	N/A

TESTED SAMPLE CONFIGURATIONS

Config No.	Tested Model No.	Item Nos. Utilized
1	CFDB-7W-***-24-**K-**	1
2	CFDB-7W-***-48-**K-**	2

SAMPLE PHOTOS - TESTED CONFIGURATIONS

Config No. 1



Config No. 2



SUMMARY

REPORT NO. 104797632CRT-001

PRODUCT INFORMATION

Product Model No.:	CFDB-7W-***-24-***K-**
Light Source:	LED
Dimmer Make and Model:	Leviton IP710DL
Dimming Technology:	0-10 Volt DC Controls

Product Model No.:	CFDB-7W-***-48-***K-**
Light Source:	LED
Dimmer Make and Model:	Leviton IP710DL
Dimming Technology:	0-10 Volt DC Controls

ENERGY STAR® REQUIREMENTS

Property	Requirements
Audible Noise (15.1)	The Luminaire shall not emit noise above 24dBA at 1 meter or less at the minimum output. ≥ 1 samples of each ballast model, LED package, LED module or LED array and LED driver model combination, or LED light engine shall be tested. The sample shall pass.

CEC TITLE 24 APPENDIX JA8 REQUIREMENTS

Property	Requirements
Audible Noise (JA 8.4.6)	Light source shall not emit audible noise above 24dBA measured at 1 meter from the light source when tested at full light output. Light sources shall also be tested and shown to comply while at 20% light output.

TEST METHODS

AUDIBLE NOISE

The luminaire was connect to a dimmer control with dimming technology as stated by the client. The audible noise (dBA) was measured at six different positions at 100% light output. The maximum sound pressure level was recorded. The luminaire was dimmed down to 20% light output using an illuminance meter. The audible noise (dBA) was measured at six different positions at 20% light output. The maximum sound pressure level was recorded

AUDIBLE NOISE

REPORT NO. 104797632CRT-001

Test Configuration	Tested Model No.	Pass/Fail/NA
1	CFDB-7W-***-24-**K-**	Pass

Light Output (%)	Power (W)	Sound Pressure (dBA)
100	23.10	18.2
20	7.70	18.1

Test Configuration	Tested Model No.	Pass/Fail/NA
2	CFDB-7W-***-48-**K-**	Pass

Light Output (%)	Power (W)	Sound Pressure (dBA)
100	43.20	18.2
20	11.30	18.6

Ambient Temp (°C)	Relative Hum (%):	Barometer (inches Hg)
22.0	63.0	28.74

EQUIPMENT LIST

REPORT NO. 104797632CRT-001

#	Equipment	Model No	Control No.	Last Cal	Cal Due
1	Brue! & Kjaer Handheld Analyzer	2270	A350	5/3/2022	5/3/2023
2	Brue! & Kjaer Sound Calibrator	4231	E484	5/3/2022	5/3/2023
3	Brue! & Kjaer Microphone	4955	E551	5/3/2022	5/3/2023
4	Fluke Hygrothermometer	971	E552	7/28/2021	7/28/2022
5	Vaisala Barometer	PTB110	P1063	6/21/2022	6/21/2023

REVISION HISTORY

#	Revision Date	Updated By	Reviewed By	Description of Change
---	None	---	---	---
---	---	---	---	---
---	---	---	---	---