

COMcheck Software Version 4.1.2.2
Interior Lighting Compliance Certificate

Project Information
 Energy Code: 2012 IECC
 Project Name: Popeye's
 Project Type: New Construction

Construction Site: Dishman Lane
 Bowling Green, KY 42101
 Owner/Agent: Designer/Contractor

Additional Efficiency Package(s)
 Reduced interior lighting power. Requirements are explicitly entered within interior lighting allowance calculations.

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft ²)	C Allowed Watts / ft ²	D Allowed Watts (B X C)
1-Dining, cafeteria, fast food	2822	9.97	2810
Total Allowed Watts =			2810

Proposed Interior Lighting Power

A Fixture ID / Description / Lamp / Wattage Per Lamp / Ballast	B Lamps / Fixture	C # of Fixtures	D Fixture Watt	E (C X D)
1-Dining, cafeteria, fast food				
LED 10: L14: DOWNLIGHT Other	1	6	12	89
LED 10: A2: 1X4: Other	1	4	84	288
LED 10: L14: DOWNLIGHT Other	1	6	12	89
LED 8 copy 3: L3: NOOK PENDANT Other	1	1	12	12
LED 8 copy 3: L3: BOOTH ELEMENT Other	1	2	100	200
LED 8 copy 2: L4: BOOTH PENDANT Other	1	4	10	40
LED 8 copy 1: L7: DOWNLIGHT Other	1	16	10	160
LED 8: L13: FLAVORIETY LIGHT Other	1	7	67	469
LED 7: L1: PENDANTS Other	1	2	16	19
LED 8: L14: DOWNLIGHT Other	1	26	12	298
LED 8: C: DOWNLIGHT Other	1	3	12	36
LED 1: A1: 5X4: Other	1	17	52	884
Total Proposed Watts =				2522

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2012 IECC requirements in COMcheck Version 4.1.2.2 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

John W. Quillen, PE
 Name: Title
 Signature: Date: 05/12/2020

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Inspection Checklist
 Energy Code: 2012 IECC

Requirements: 70.0% were addressed directly in the COMcheck software
 Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req. ID	Final Inspection	Complies?	Comments/Assumptions
C102.2 (F114)	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and determine where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405 (F119)	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

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Section # & Req. ID	Final Inspection	Complies?	Comments/Assumptions
C408.2.5 (F118)	Furnished as-built drawings for electric power systems within 30 days of system acceptance.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C303.3 (F117)	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.5.2 (F118)	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plan, demonstrating proposed watts are less than or equal to allowed watts.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Interior Lighting Fixture schedule for values.
C408.3 (F131)	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

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Section # & Req. ID	Final Inspection	Complies?	Comments/Assumptions
C402.2.8 (F121)	Bottom surface of floor structures incorporating radiant heating insulated to R-3.5.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply. See the Envelope Assessment table for values.

Additional Comments/Assumptions:

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Section # & Req. ID	Final Inspection	Complies?	Comments/Assumptions
C405.2.2 (F122)	Automatic controls to shut off all building lighting installed in all buildings.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.1 (F123)	Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.1 (F124)	Lighting controls installed to uniformly reduce the lighting load by at least 50%.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.2 (F114)	Daylight zones provided with individual controls that control the lights independent of general area lighting.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C405.2.2 (F117)	Steering units have at least one master switch at the main entry door that controls wired luminaires and switched receptacles.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C405.2.2 (F118)	Occupancy sensors installed in required spaces.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.2 (F120)	Primary side-lighted areas are equipped with required lighting controls.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C405.2.2 (F121)	Enclosed spaces with daylight and under skylights and roof-top monitors are equipped with required lighting controls.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C405.2.3 (F147)	Separate lighting control devices for specific areas used for emergency lighting signs.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.3 (F11)	Fluorescent luminaires with odd numbered lamp configurations that are within 10 feet center-to-center are mounted or are suspended from a single (1) pendant (rod) steel hoist mount.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C405.4 (F11)	Ballasts do not exceed 5 watts per foot.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.5 (F11)	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

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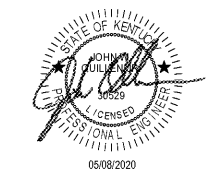


JPL MANAGEMENT

ISSUE INFORMATION

REVISIONS

Nelco Architecture, Inc.



PROJECT INFORMATION

BOWLING GREEN, KY

DISHMAN LANE
 BOWLING GREEN, KY 42101

PROJECT #:
 11352

SHEET INFORMATION

ENERGY COMPLIANCE

DRAWN BY:
 ED/ZFB
 REVIEWED BY:
 JWG/JWQ
 SCALE:

AUTHORIZED FOR:
 PERMIT

E7