

COMcheck Software Version 4.1.5.5 Interior Lighting Compliance Certificate

Project Information
 Energy Code: 2015 IECC
 Project Title: COLLINS P. LEE MEMORIAL LIBRARY
 Project Type: Alteration
 Construction Site: 237 HARRISBURG RD. SW, MILLEDGEVILLE, GA 31001
 Owner/Agent: Douglas Pender, Conway & Owen, 1455 Bluegrass Lakes Parkway, Alpharetta, GA 30004, 678-350-9000, dpender@conway-owen.com
 Designer/Contractor: Douglas Pender, Conway & Owen, 1455 Bluegrass Lakes Parkway, Alpharetta, GA 30004, 678-350-9000, dpender@conway-owen.com

A Area Category	B Floor Area (ft ²)	C Allowed Watts / ft ²	D Allowed Watts (B X C)
1-Electrical Rooms (Common Space Types:Electrical/Mechanical)	30	0.95	28
2-Storage Rooms (Common Space Types:Storage >=50 - <=1000 sq ft.)	105	0.63	66
3-Office Space (Common Space Types:Office - Open Plan)	190	0.98	186
4-Break Room (Common Space Types:Lounge/Breakroom)	105	0.73	77
5-Restrooms (Common Space Types:Restrooms)	115	0.98	113
6-Study (Common Space Types:Classroom/Lecture/Training)	115	1.24	143
7-Janitor Closet (Common Space Types:Storage <50 sq ft.)	34	1.24	42
8-Childrens Play Area (Gymnasium/Fitness Center/Playing Area)	586	1.20	703
9-Corridor (Common Space Types:Corridor/Transition >=8 ft wide) Exempt			
10-Adult Reading Area (Library/Reading Area)	1570	1.06	1664
11-Program/Meeting (Common Space Types:Conference/Meeting/Multipurpose)	376	1.23	462
Total Allowed Watts =			3485

Area Category Exemption Qualifications

Activity Area	# Fixtures	Total # Watts
Corridor (Common Space Types:Corridor/Transition >=8 ft wide) 39 sq.ft.)	Pre-Alt. Repl./Added	Pre-Alt. Post-Alt.
Exemption: Replacement of bulbs and ballasts only.		60,000 60,000

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt. (C X D)
Electrical Rooms (Common Space Types:Electrical/Mechanical 30 sq.ft.)			
LED 1: L LED STRIP FIXTURE: Other	1	1	36
Storage Rooms (Common Space Types:Storage >=50 - <=1000 sq.ft. 105 sq.ft.)			
LED 1 copy 1: J LED STRIP FIXTURE: Other	1	2	36
Office Space (Common Space Types:Office - Open Plan 190 sq.ft.)			
LED 3: A 2X2 LED FIXTURE: Other	1	6	35

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COMcheck Software Version 4.1.5.5 Exterior Lighting Compliance Certificate

Project Information
 Energy Code: 2015 IECC
 Project Title: COLLINS P. LEE MEMORIAL LIBRARY
 Project Type: Alteration
 Exterior Lighting Zone: 2 (Residential mixed use area (L22))
 Construction Site: 237 HARRISBURG RD. SW, MILLEDGEVILLE, GA 31001
 Owner/Agent: Douglas Pender, Conway & Owen, 1455 Bluegrass Lakes Parkway, Alpharetta, GA 30004, 678-350-9000, dpender@conway-owen.com
 Designer/Contractor: Douglas Pender, Conway & Owen, 1455 Bluegrass Lakes Parkway, Alpharetta, GA 30004, 678-350-9000, dpender@conway-owen.com

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Canopy (Entry canopy)	518 #2	0.25	Yes	130
Total Tradable Watts (a) =				130
Total Allowed Watts (b) =				130
Total Allowed Supplemental Watts (b) =				600

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
 (b) A supplemental allowance equal to 600 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt. (C X D)
Canopy (Entry canopy 518 #2): Tradable Wattage			
LED 1: QB LED TAPE LIGHT: Other	1	10	27
Total Tradable Proposed Watts =			270

Exterior Lighting PASSES

Exterior Lighting Compliance Statement
 Compliance Statement: The proposed exterior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version #4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

DOUGLAS PENDER Signature Date: 03/20/2026

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Section # & Req-ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.1 (EL15)†	Lighting controls installed to uniformly reduce the lighting load by at least 50%.	<input 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 (EL18)†	Occupancy sensors installed in required spaces.	<input 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 (EL23)†	Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.	<input 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 (EL22)†	Automatic controls to shut off all building lighting installed in all buildings.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.3 (EL16)†	Daylight zones provided with individual controls that control the lights independent of general area lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.3 (EL20)†	Primary sidelighted areas are equipped with required lighting controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.3 (EL21)†	Enclosed spaces with daylight area under skylights and rooftop monitors are equipped with required lighting controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.4 (EL4)†	Separate lighting control devices for specific uses installed per approved lighting plans.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.4 (EL8)†	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.5 (EL25)†	Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting > 30%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.3 (EL6)†	Emit signs do not exceed 5 watts per face.	<input 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:
 1 High Impact (Tier 1) 2 Medium impact (Tier 2) 3 Low Impact (Tier 3)

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Section # & Req-ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5 (F117)†	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.4.1 (F118)†	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input 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.
C405.5.1 (F119)†	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Exterior Lighting Fixture schedule for values.
C408.2.5 (F116)†	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C408.3 (F133)†	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	<input 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:
 1 High Impact (Tier 1) 2 Medium impact (Tier 2) 3 Low Impact (Tier 3)

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A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt. (C X D)
Break Room (Common Space Types:Lounge/Breakroom 105 sq.ft.)			
LED 3 copy 1: A 2X2 LED FIXTURE: Other	1	2	36
LED 5: M2 UC LED FIXTURE: LED Undercabinet Unit 24W:	1	3	9
Exemption Furniture-mounted Supplemental Task Lighting			
Restrooms (Common Space Types:Restrooms 115 sq.ft.)			
Incandescent 1: E EXISTING LIGHT: Incandescent 25W:	1	2	25
LED 6: L WALL VANITY: Other:	1	2	9
Study (Common Space Types:Classroom/Lecture/Training 115 sq.ft.)			
LED 3 copy 1: A 2X2 LED FIXTURE: Other:	1	4	35
Janitor Closet (Common Space Types:Storage <50 sq ft. 34 sq.ft.)			
LED 1 copy 2: J LED STRIP FIXTURE: Other:	1	1	36
Childrens Play Area (Gymnasium/Fitness Center/Playing Area 586 sq.ft.)			
LED 9 G1: LED PENDANT: Other:	1	4	49
LED 9 copy 1: G2 LED PENDANT: Other:	1	5	85
Incandescent 1 copy 1: E EXISTING LIGHT: Incandescent 25W:	1	6	25
Corridor (Common Space Types:Corridor/Transition >=8 ft wide 39 sq.ft.): Exempt			
Incandescent 1 copy 2: E EXISTING LIGHT: Incandescent 25W:	1	1	25
Adult Reading Area (Library/Reading Area 1570 sq.ft.)			
LED 11: D LED STRIP 3: Other:	1	60	21
LED 12: T LED PENDANT: Other:	1	9	11
LED 14: H LED TAPE LIGHT: Other:	1	9	27
LED 3 copy 2: A 2X2 LED FIXTURE: Other:	1	4	35
LED 11 copy 1: D LED STRIP 4: Other:	1	3	28
Program/Meeting (Common Space Types:Conference/Meeting/Multipurpose 376 sq.ft.)			
LED 12 copy 1: T: Other:	1	22	11
LED 5 copy 1: M1 UC LED FIXTURE: LED Undercabinet Unit 24W:	1	5	4
Exemption Furniture-mounted Supplemental Task Lighting			
LED 5 copy 2: M2 UC LED FIXTURE: LED Undercabinet Unit 24W:	1	1	9
Exemption Furniture-mounted Supplemental Task Lighting			
LED 5 copy 3: M3 UC LED FIXTURE: LED Undercabinet Unit 24W:	1	1	14
Exemption Furniture-mounted Supplemental Task Lighting			
Total Proposed Watts =			3471

Interior Lighting PASSES

Interior Lighting Compliance Statement
 Compliance Statement: The proposed interior lighting alteration project 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 2015 IECC requirements in COMcheck Version #4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

DOUGLAS PENDER Signature Date: 03/20/2026

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COMcheck Software Version 4.1.5.5 Inspection Checklist

Energy Code: 2015 IECC
 Requirements: 87.0% 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	Plan Review	Complies?	Comments/Assumptions
C103.2 (PR4)†	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document 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 type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C103.2 (PR8)†	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium impact (Tier 2) 3 Low Impact (Tier 3)

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NO.	DATE	ISSUANCE / REVISIONS