

COMcheck Software Version 4.0.8.2
Interior Lighting Compliance Certificate

Project Information
 Energy Code: 2015 IECC
 Project Title: ADAMS COUNTY COMMUNITY CENTER
 Project Type: New Construction

Construction Site: MICHIGAN STREET, Council, ID 83612
 Owner/Agent: Shane Jensen, ENGINEERING CONSULTANTS, INC., 303 Federal Way, Boise, ID 83705, 208-376-9820, shane@eciboise.com
 Designer/Contractor: Shane Jensen, ENGINEERING CONSULTANTS, INC., 303 Federal Way, Boise, ID 83705, 208-376-9820, shane@eciboise.com

Reduced interior lighting power. Requirements are implicitly enforced within interior lighting allowance calculations.

Area Category	Floor Area (ft ²)	Allowed Watts / ft ²	Allowed Watts (B X C)
1-Community Center (Town Hall)	12818	0.60	10267
Total Allowed Watts =			10267

Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Watt. (C X D)	E
1-Community Center (Town Hall)				
LED 1- GL: 2x4 GRID: Other	1	35	50	1750
LED 2- WL: WRAPAROUND: Other	1	12	32	384
LED 3- RL: MICRO LED RECESSED ROUND: Other	1	15	15	225
LED 4- VL: VANITY LIGHT: Other	1	2	48	96
LED 5- HL: HIGH BAY: Other	1	12	150	1800
LED 6- HL: 2x HIGH BAY: Other	1	12	150	1800
LED 7- FPL: FLAG POLE: Other	1	1	50	50
LED 8- EX: EMERGENCY LIGHT: Other	1	6	2	12
LED 8- EX: EXIT/EMERGENCY LIGHT: Other	1	6	2	12
Total Proposed Watts =			6127	

Interior Lighting PASSES: Design 7% better than code

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 2015 IECC requirements in COMcheck Version 4.0.8.2 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

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Shane T. Jensen - Designer
 Name - Title
 Signature
 Date: 8/8/2018

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Exterior Lighting Compliance Certificate

Project Information
 Energy Code: 2015 IECC
 Project Title: ADAMS COUNTY COMMUNITY CENTER
 Project Type: New Construction
 Exterior Lighting Zone: 1 (Developed rural area)

Construction Site: MICHIGAN STREET, Council, ID 83612
 Owner/Agent: Shane Jensen, ENGINEERING CONSULTANTS, INC., 303 Federal Way, Boise, ID 83705, 208-376-9820, shane@eciboise.com
 Designer/Contractor: Shane Jensen, ENGINEERING CONSULTANTS, INC., 303 Federal Way, Boise, ID 83705, 208-376-9820, shane@eciboise.com

Allowed Exterior Lighting Power

Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
MAIN DOOR (Main entry)	1 ft of door	20	Yes	20
SIDE DOOR (Entry canopy)	1 ft ²	0.25	Yes	0
SIDE DOOR (Other door not main entry)	1 ft of door	20	Yes	20
PARKING (Parking area)	4 ft ²	0.04	Yes	0
SIDEWALK (Walkway < 10 feet wide)	2 ft of	0.7	Yes	1
Total Tradable Watts (a) =			42	
Total Allowed Watts =			42	
Total Allowed Supplemental Watts (b) =			500	

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
 (b) A supplemental allowance equal to 500 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Watt. (C X D)	E
MAIN DOOR (Main entry, 1 ft of door width): Tradable Wattage	1	2	54	108
LED 1- WP1: WALLPACK: Other	1	1	42	42
LED 2- WP2: Other	1	1	42	42
SIDE DOOR (Entry canopy, 1 ft ²): Tradable Wattage	1	1	42	42
LED 2- WP2: GRESS: LIGHT: Other	1	1	42	42
SIDE DOOR (Other door, not main entry, 1 ft of door width): Tradable Wattage	1	1	42	42
LED 2- WP2: Other	1	1	42	42
PARKING (Parking area, 4 ft ²): Tradable Wattage	1	3	54	162
LED 1- WP1: WALLPACK: Other	1	3	54	162
SIDEWALK (Walkway < 10 feet wide, 2 ft of walkway length): Tradable Wattage	1	2	54	108
LED 1- WP1: WALLPACK: Other	1	2	54	108
Total Tradable Proposed Watts =			504	

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Exterior Lighting PASSES: Design 7% better than code

Exterior Lighting Compliance Statement
 Compliance Statement: The proposed exterior lighting design 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 4.0.8.2 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Shane T. Jensen - Designer
 Name - Title
 Signature
 Date: 8/8/2018

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Inspection Checklist

Energy Code: 2015 IECC
 Requirements: 100.0% were addressed directly in the COMcheck Requirements screen. 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
C102.2 (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 checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met. Location on plans/spec: E3.1
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 checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met. Location on plans/spec: E3.1
C406 (PR9)	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. Location on plans/spec: E0.0, E1.1, E2.1, E3.1, E4.0

Additional Comments/Assumptions:

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Section # & Req. ID	Rough-in Electrical Inspection	Complies?	Comments/Assumptions
C402.2.1 (EL15)	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. Location on plans/spec: E3.1
C405.2.1 (EL18)	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. Location on plans/spec: E3.1
C405.2.2 (EL19)	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. Location on plans/spec: E3.1
C405.2.3 (EL22)	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. Location on plans/spec: E3.1
C405.2.4 (EL23)	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	Requirement will be met. Location on plans/spec: E3.1
C405.2.5 (EL20)	Primary sidelighted 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.
C405.2.6 (EL21)	Enclosed spaces with daylight area under skylights and rooftop 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.
C405.2.7 (EL4)	Separate lighting control devices for specific areas installed per approved lighting plans.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met. Location on plans/spec: E3.1
C405.2.8 (EL5)	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. Location on plans/spec: E3.1
C405.2.9 (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 > 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. Location on plans/spec: E3.1
C405.3 (EL6)	Exit signs do not exceed 5 watts per face.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met. Location on plans/spec: E3.1

Additional Comments/Assumptions:

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Section # & Req. ID	Final Inspection	Complies?	Comments/Assumptions
C303.3 (F13)	Furnished O&M instructions for systems and equipment to the building owner or designator 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.
C405.4.1 (F18)	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 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.
C405.5.1 (F19)	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 checked="" 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 (F16)	Furnished as-built drawings for electric power systems within 90 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.
C408.3 (F13)	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. Location on plans/spec: E3.1

Additional Comments/Assumptions:

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ADAMS COUNTY COMMUNITY CENTER
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 COUNCIL, IDAHO

99U05

Date: 8/8/2018
 Drawn By: JRR/KSL
 Checked By: STJ

Revisions

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