



COMcheck Software Version 4.0.4.0

Interior Lighting Compliance Certificate

Section 1: Project Information

Energy Code: **2009 IECC**
 Project Title: Crepe Du Juor
 Project Type: Alteration

Construction Site:
 20 South Main Street
 Greenville, SC 29650

Owner/Agent:
 Bradley Van Name
 R. Bradley Van Name
 10 Armsdale Drive
 Taylors, SC 29687
 rbvn@charter.net

Designer/Contractor:
 James Joye
 Carolina Engineering Solutions
 8 West McBee Ave., Suite 203
 Greenville, SC 29601
 864-370-9355
 jjoye@carolinaenr.com

Section 2: Interior Lighting and Power Calculation

A Area Category	B Floor Area (ft ²)	C Allowed Watts / ft ²	D Allowed Watts (B x C)
Dining: Bar Lounge/Leisure	2400	1.3	3120
Total Allowed Watts =			3120

Section 3: Interior Lighting Fixture Schedule

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Dining: Bar Lounge/Leisure (2400 sq.ft.)				
Linear Fluorescent 1: IA: 2' Strip Light: 24" T8 17W: Electronic:	2	1	38	38
LED 1: PA: Other:	1	9	50	450
Linear Fluorescent 2: TB: 2X4 Troffer: 48" T8 32W: Electronic:	3	5	40	200
Linear Fluorescent 3: TD: 2X2 Troffer: 24" T8U 32W: Electronic:	2	2	56	112
Track lighting 1: TH: Track Lighting: Wattage based on current limiting device capacity	0	0	0	300
Track lighting 2: TH: Track Lighting: Wattage based on current limiting device capacity	0	0	0	300
Track lighting 3: TH: Track Lighting: Wattage based on current limiting device capacity	0	0	0	300
Track lighting 4: TH: Track Lighting: Wattage based on current limiting device capacity	0	0	0	300
Track lighting 5: TH: Track Lighting: Wattage based on current limiting device capacity	0	0	0	300
Track lighting 6: TH: Track Lighting: Wattage based on current limiting device capacity	0	0	0	300
Track lighting 7: TH: Track Lighting: Wattage based on current limiting device capacity	0	0	0	120
Track lighting 8: TH: Track Lighting: Wattage based on current limiting device capacity	0	0	0	120
Total Proposed Watts =			2840	

Section 4: Requirements Checklist

Interior Lighting PASSES

Lighting Wattage:

1. Total proposed watts must be less than or equal to total allowed watts.

Allowed Watts	Proposed Watts	Complies
3120	2840	Passes

Controls, Switching, and Wiring:

2. Daylight zones under skylights more than 15 feet from the perimeter have lighting controls separate from daylight zones adjacent to vertical fenestration.

- N/A 3. Daylight zones have individual lighting controls independent from that of the general area lighting.
- Exceptions:*
- Contiguous daylight zones spanning no more than two orientations are allowed to be controlled by a single controlling device.
 - Daylight spaces enclosed by walls or ceiling height partitions and containing two or fewer light fixtures are not required to have a separate switch for general area lighting.
4. Independent controls for each space (switch/occupancy sensor).
- Exceptions:*
- Areas designated as security or emergency areas that must be continuously illuminated.
 - Lighting in stairways or corridors that are elements of the means of egress.
- N/A 5. Master switch at entry to hotel/motel guest room.
- N/A 6. Individual dwelling units separately metered.
- N/A 7. Medical task lighting or art/history display lighting claimed to be exempt from compliance has a control device independent of the control of the nonexempt lighting.
8. Each space required to have a manual control also allows for reducing the connected lighting load by at least 50 percent by either controlling all luminaires, dual switching of alternate rows of luminaires, alternate luminaires, or alternate lamps, switching the middle lamp luminaires independently of other lamps, or switching each luminaire or each lamp.
- Exceptions:*
- Only one luminaire in space.
 - An occupant-sensing device controls the area.
 - The area is a corridor, storeroom, restroom, public lobby or sleeping unit.
 - Areas that use less than 0.6 Watts/sq.ft.
- N/A 9. Automatic lighting shutoff control in buildings larger than 5,000 sq.ft.
- Exceptions:*
- Sleeping units, patient care areas; and spaces where automatic shutoff would endanger safety or security.
- N/A 10. Photocell/astronomical time switch on exterior lights.
- Exceptions:*
- Lighting intended for 24 hour use.
- N/A 11. Tandem wired one-lamp and three-lamp ballasted luminaires (No single-lamp ballasts).
- Exceptions:*
- Electronic high-frequency ballasts; Luminaires on emergency circuits or with no available pair.

Section 5: Compliance Statement

Compliance Statement: The proposed lighting alteration project represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed lighting alteration project has been designed to meet the 2009 IECC, Chapter 8, requirements in COMcheck Version 4.0.4.0 and to comply with the mandatory requirements in the Requirements Checklist.

James Joye - Project Engineer
Name - Title

Signature

Date

