



Interior Lighting and Power Compliance Certificate

90.1 (2007) Standard

Section 1: Project Information

Project Type: **New Construction**

Project Title : Christwood Retirement Center

Construction Site:
100 Christwood
Covington, LA 70443

Owner/Agent:
Christwood
Covington , LA

Designer/Contractor:
Chuck Dammon
Dammon Engineering
554 Old Spanish Trail
Slidell, LA 70458
985-649-5832

Section 2: Interior Lighting and Power Calculation

A	B Floor Area	C Allowed Watts / ft2	D Allowed Watts
Business (Office)	3637	1	3637
Total Allowed Watts =			3637

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)
Business (Office 3637 sq.ft.) Compact Fluorescent 1: Twin Tube 40W / Magnetic	4	68	20	1360
Total Proposed Watts =				1360

Section 4: Requirements Checklist

Lighting Wattage:

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

Allowed Watts	Proposed Watts	Complies
3637	1360	YES

2. Exit signs 5 Watts or less per sign.

Controls, Switching, and Wiring:

3. Independent manual or occupancy sensing controls for each space (remote switch with indicator allowed for safety or security).
 4. Occupant sensing control in class rooms, conference/meeting rooms, and employee lunch and break rooms.

Exceptions:

- Spaces with multi-scene control; shop classrooms, laboratory classrooms, and preschool through 12th grade classrooms.
 5. Automatic shutoff control for lighting in >5000 sq.ft buildings by time-of-day device, occupant sensor, or other automatic control.

Exceptions:

- 24 hour operation lighting; patient care areas; where auto shutoff would endanger safety or security.
 6. Master switch at entry to hotel/motel guest room.
 7. Separate control device for display/accent lighting, case lighting, task lighting, nonvisual lighting, lighting for sale, and demonstration lighting.



Exterior Lighting Compliance Certificate

90.1 (2007) Standard

Section 1: Project Information

Project Type: **New Construction**

Project Title : Christwood Retirement Center

Construction Site:
100 Christwood
Covington, LA 70443

Owner/Agent:
Christwood
Covington , LA

Designer/Contractor:
Chuck Dammon
Dammon Engineering
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Slidell, LA 70458
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Section 2: Exterior Lighting Area/Surface Power Calculation

A Exterior Area/Surface	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B x C)	F Proposed Watts
Main entry/exit	4 ft of door width	30	Yes	120	8
				Total Tradable Watts* =	120
				Total Allowed Watts =	120
				Total Allowed Supplemental Watts** =	6

* Wattage tradeoffs are only allowed between tradable areas/surfaces.

** A supplemental allowance equal to 5% of total allowed wattage may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Section 3: Exterior 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)	
Main entry/exit (4 ft of door width): Tradable Wattage					
Incandescent 1: Incandescent 150W	1	4	2	8	
				Total Tradable Proposed Watts =	8

Section 4: Requirements Checklist

Lighting Wattage:

1. Within each non-tradable area/surface, total proposed watts must be less than or equal to total allowed watts. Across all tradable areas/surfaces, total proposed watts must be less than or equal to total allowed watts.

Compliance: Passes.

Controls, Switching, and Wiring:

2. All exemption claims are associated with fixtures that have a control device independent of the control of the nonexempt lighting.
3. All lighting fixtures are controlled by a photosensor or astronomical time switch that is capable of automatically turning off the fixture when sufficient daylight is available or the lighting is not required.

Exceptions:

- Covered vehicle entrance/exit areas requiring lighting for safety, security and eye adaptation.

Exterior Lighting Efficacy:

4. All exterior building grounds luminaires that operate at greater than 100W have minimum efficacy of 60 lumen/watt.

Exceptions:

- Lighting that has been claimed as exempt and is identified as such in Section 3 table above.
- Lighting that is specifically designated as required by a health or life safety statute, ordinance, or regulation.
- Emergency lighting that is automatically off during normal building operation.
- Lighting that is controlled by motion sensor.

Exterior Lighting PASSES. Design 94% better than code.

Section 5: 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 lighting system has been designed to meet the 90.1 (2007) Standard requirements in COMcheck Version 3.9.0 and to comply with the mandatory requirements in the Requirements Checklist.

CHUCK DAMMON
Name - Title

[Signature]
Signature

12-5-14
Date

Section 5: Post Construction Compliance Statement

Record Drawings and Operating and Maintenance Manuals:

1. Construction documents with record drawings and operating and maintenance manuals provided to the owner.

Lighting Designer or Contractor Name

Signature

Date