



COMcheck Software Version 4.0.5.1 Interior Lighting Compliance Certificate

Section 1: Project Information

Energy Code: **2009 IECC**
Project Title: Pure Barre
Project Type: Alteration

Construction Site:
492 Congress Street
Portland, ME 04101

Owner/Agent:
Pure Barre Corporate
100 Dunbar Street Suite 310
Spartanburg, SC 29306
(864) 594-5715

Designer/Contractor:
Casco
10877 Watson Road
St. Louis, MO 63127
(314)821-1100

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)
Exercise Center	2554	1	2554
Allowance: Other retail highlighting / Fix. ID: C	2554(a)	0.6	1532(b)
Supplemental Allowed Watts(c) =			826
Total Allowed Watts =			4912

(a) Area claimed may exceed total floor area when Retail Merchandise Highlighting allowance(s) are specified.

(b) Allowance is (B x C) or the actual wattage of the fixtures given in Section 2, whichever is less.

(c) Supplemental watts must be associated with retail merchandise highlighting fixtures.

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)
Exercise Center (2554 sq.ft.)				
Track lighting 1: C: LED HEAD 14W, QTY=37: Wattage based on circuit breaker capacity (20 amps x 120 volts)	0	0	2400	2400
Track lighting 2: C: LED HEAD 14W, QTY=28: Wattage based on circuit breaker capacity (20 amps x 120 volts)	0	0	2400	2400
LED 1: Y: Pendant LED: LED A Lamp 6W:	1	1	6	6
Compact Fluorescent 1: H: Ceiling Light: Quad 2-pin 22W: Electronic:	1	2	23	46
Halogen 1: Z: Pendant Halogen: Halogen MR-11 20W:	3	1	60	60
Total Proposed Watts =			4912	

Section 4: Requirements Checklist

Interior Lighting : Passes using retail merchandise highlighting supplemental watts.

Lighting Wattage:

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

Allowed Watts	Proposed Watts	Complies
4912	4912	Passes with merchandise highlighting allowance

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.
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.
- 5. Master switch at entry to hotel/motel guest room.
- 6. Individual dwelling units separately metered.
- 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.
- 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.
- 10. Photocell/astronomical time switch on exterior lights.

Exceptions:

- Lighting intended for 24 hour use.
- 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 4.0.5.1 and to comply with the mandatory requirements in the Requirements Checklist.

Gregory L. Rosebrock Designer

Name - Title



Signature

11-23-16

Date