

COMcheck Software Version 3.4.1 Lighting Compliance Certificate

2006 IECC

Report Date: 10/29/08

Data filename: F:\Drawings\Tenant Development\01-Buildings\Commerce Plaza-CushmanWakefield\02-CommercePlaza-PROJECTS\Sarah Rabb_Gail Alexander\75-93_SpecSuite_J224_IECC.cck

Section 1: Project Information

Project Title: Spec.Suite J224

Construction Site:
12880 Hillcrest
Dallas, TX

Owner/Agent:
Cushman Wakefield

Designer/Contractor:
Meghan Parmer
The idGroup
2641 Irving Blvd.
Dallas, TX 75207

Section 2: General Information

Building Use Description by: **Activity Type**
Project Type: **New Construction**

<u>Activity Type(s)</u>	<u>Floor Area</u>
Office	1938

Section 3: Requirements Checklist

Interior Lighting:

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

Allowed Watts	Actual Watts	Complies
1938	1851	YES

Exterior Lighting:

2. Efficacy greater than 45 lumens/W.

Exceptions:

Specialized lighting highlighting features of historic buildings; signage; safety or security lighting; low-voltage landscape lighting.

3. Comply with Sections 505.2.4 and 505.6 of IECC 2006 and attach documentation.

Controls, Switching, and Wiring:

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. Each space provided with a manual control to provide uniform light reduction by at least 50%.

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.

- 8. 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.

- 9. Photocell/astronomical time switch on exterior lights.

Exceptions:

Lighting intended for 24 hour use.

- 10. 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.

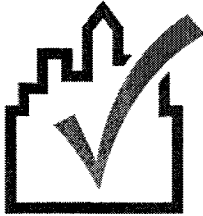
Section 4: Compliance Statement

Compliance Statement: The proposed 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 2006 IECC requirements in COMcheck Version 3.4.1 and to comply with the mandatory requirements in the Requirements Checklist.

Megan Parmer - Designer	Megan Parmer	10/29/08
Name - Title	Signature	Date

Project Notes:

75-87



COMcheck Software Version 3.4.1

Lighting Application Worksheet

2006 IECC

Report Date:

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Section 1: Allowed Lighting Power Calculation

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B x C)
Office	1938	1	1938
Total Allowed Watts =			1938

Section 2: Actual Lighting Power Calculation

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Office (1938 sq.ft.)				
Linear Fluorescent 1: 48" T8 32W / Electronic	3	11	95	1045
Compact Fluorescent 1: Twin Tube 55W / Electronic	1	8	62	496
Linear Fluorescent 2: 24" T8U 32W / Electronic	2	5	62	310
Total Actual Watts =				1851

Section 3: Compliance Calculation

If the Total Allowed Watts minus the Total Actual Watts is greater than or equal to zero, the building complies.

Total Allowed Watts =	1938
Total Actual Watts =	1851
Project Compliance =	87

Lighting PASSES Design 4% better than code.