

**CITY OF BALTIMORE**  
**ORDINANCE \_\_\_\_\_**  
**Council Bill 12-0028**

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Introduced by: Councilmembers Kraft, Henry, Cole, Middleton, Stokes, Holton, Branch, Clarke,  
Spector, Welch, President Young, Councilmembers Scott, Curran  
Introduced and read first time: January 30, 2012  
Assigned to: Judiciary and Legislative Investigations Committee  
Committee Report: Favorable with amendments  
Council action: Adopted  
Read second time: October 7, 2013

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**AN ORDINANCE CONCERNING**

**Commercial Energy Efficiency – Lighting Systems**

FOR the purpose of ~~modifying the authorized methods for complying with automatic-lighting-shutoff requirements; deleting the requirement for an automatic time-switch control device to incorporate an override switching device; requiring sleeping units and guest suites in hotels and motels to have at least one receptacle dedicated to the charging of electronic devices, and excluding those receptacles from the operation of a master control device; requiring the use of a room key to activate the lighting in sleeping units and guest suites of hotels, motels, boarding houses, and similar buildings and motels;~~ correcting, clarifying, and conforming related provisions; ~~and~~ providing for the application of this Ordinance to all new construction or substantial improvements for which a permit application is filed on or after ~~January 1, 2013~~ a certain date; defining certain terms; and generally relating to the regulation of lighting systems in commercial buildings.

BY repealing and reordaining, with amendments  
Article - Building, Fire, and Related Codes  
Section(s) 9-102 (IECC § ~~505.2~~ 405.2)  
Baltimore City Revised Code  
(Edition 2000)

**SECTION 1. BE IT ORDAINED BY THE MAYOR AND CITY COUNCIL OF BALTIMORE,** That the Laws of Baltimore City read as follows:

**Baltimore City Revised Code**

**Article – Building, Fire, and Related Codes**

**Part ~~IX~~ IX-A. International Energy Conservation Code – Commercial Provisions**

**EXPLANATION:** CAPITALS indicate matter added to existing law.  
[Brackets] indicate matter deleted from existing law.  
Underlining indicates matter added to the bill by amendment.  
~~Strike out~~ indicates matter stricken from the bill by amendment or deleted from existing law by amendment.

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1 § 9-102. City modifications.

2 The additions, deletions, amendments, and other modifications adopted by the City are as  
3 follows:

4 Chapter 5 4. Commercial Energy Efficiency  
5 [As in IECC]

6 SECTION 505 ELECTRICAL POWER AND LIGHTING SYSTEMS

7 505.1 General. ~~As in IECC~~

8 505.2 Lighting controls. Lighting systems [shall] MUST be provided with controls as  
9 required in Sections 505.2.1, 505.2.2, 505.2.3, and 505.2.4.

10 505.2.1 Interior lighting controls. ~~As in IECC~~

11 505.2.2 Additional controls. ~~As in IECC~~

12 505.2.2.1 Light reduction controls. ~~As in IECC~~

13 505.2.2.2 Automatic lighting shutoff. Buildings larger than 5,000 square feet (465  
14 sq. m.) [shall] MUST be equipped with an automatic control device to shut off lighting  
15 in those areas. This automatic control device [shall] MUST function on either:

16 [1. A scheduled basis, using time-of-day, with an independent program schedule  
17 that controls the interior lighting in areas that do not exceed 25,000 square feet  
18 (2323 sq. m.) and are not more than one floor; or]

19 1. [2.] An occupant sensor that [shall turn] TURNS lighting off within [30] 15  
20 minutes of an occupant leaving a space; or

21 2. [3.] A signal from another control or alarm system that indicates the area is  
22 unoccupied.

23 **Exception:** The following [shall] DO not require an automatic control device:

24 1. ~~Sleeping [unit] UNITS (see [Section] § 505.2.3).~~

25 2. ~~Lighting in spaces where patient care is directly provided.~~

26 3. ~~Spaces where an automatic shutoff would endanger occupant safety or  
27 security.~~

28 ~~505.2.2.2.1 Occupant override. Where an automatic time switch control  
29 device is installed to comply with Section 505.2.2.2, Item 1, it shall  
30 incorporate an override switching device that:~~

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- 1                   1. ~~Is readily accessible.~~
- 2                   2. ~~Is located so that a person using the device can see the lights or the~~
- 3                   ~~area controlled by that switch, or so that the area being lit is~~
- 4                   ~~annunciated.~~
- 5                   3. ~~Is manually operated.~~
- 6                   4. ~~Allows the lighting to remain on for no more than 2 hours when an~~
- 7                   ~~override is initiated.~~
- 8                   5. ~~Controls an area not exceeding 5,000 square feet (465 m<sup>2</sup>).~~

**Exceptions:**

- 10                   1. ~~In malls and arcades, auditoriums, single-tenant retail spaces,~~
- 11                   ~~industrial facilities and arenas, where captive-key override is~~
- 12                   ~~utilized, override time shall be permitted to exceed 2 hours.~~
- 13                   2. ~~In malls and arcades, auditoriums, single-tenant retail spaces,~~
- 14                   ~~industrial facilities and arenas, the area controlled shall not exceed~~
- 15                   ~~20,000 square feet (1860 m<sup>2</sup>).~~

~~**505.2.2.2.2 Holiday scheduling.** If an automatic time switch control device is installed in accordance with Section 505.2.2.2, Item 1, it shall incorporate an automatic holiday scheduling feature that turns off all loads for at least 24 hours, then resumes the normally scheduled operation.~~

~~**Exception:** Retail stores and associated malls, restaurants, grocery stores, places of religious worship and theaters.]~~

~~**505.2.2.3 Daylight zone control. {AS IN IECC}**~~

~~**505.2.3 Sleeping unit controls.** Sleeping units in hotels, motels, boarding houses or similar buildings [shall] MUST have at least one master switch at the main entry door that controls all permanently wired luminaires and switched receptacles, except those in the bathroom(s). Suites [shall] MUST have a control meeting these requirements at the entry to each room or at the primary entry to the suite. THESE CONTROLS MUST BE CONFIGURED SO AS TO REQUIRE THE USE OF THE ROOM KEY TO ACTIVATE THE LIGHTING IN THE UNIT OR SUITE.~~

~~**505.2.4 Exterior lighting controls. {AS IN IECC}**~~

~~**505.3 to 505.7 {AS IN IECC}**~~

**SECTION 405 ELECTRIC POWER AND LIGHTING SYSTEMS (MANDATORY)**

**405.1 General (Mandatory). {AS IN IECC-C}**

**405.2 Lighting controls (Mandatory). {AS IN IECC-C}**

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1 **405.2.1 Manual lighting controls. {AS IN IECC-C}**

2 **405.2.2 Additional lighting controls. {AS IN IECC-C}**

3 **405.2.2.1 Automatic time switch control devices.** Automatic time switch controls  
4 **[shall] MUST be installed to control lighting in all areas of the building.**

5 **Exceptions:**

- 6 1. Emergency egress lighting does not need to be controlled by an automatic  
7 time switch.
- 8 2. Lighting in spaces controlled by occupancy sensors does not need to be  
9 controlled by automatic time switch controls.

10 [The automatic time switch control device shall include an override switching device  
11 that complies with the following:

- 12 1. The override switch shall be in a readily accessible location;
- 13 2. The override switch shall be located where the lights controlled by the switch  
14 are visible; or the switch shall provide a mechanism which announces the area  
15 controlled by the switch;
- 16 3. The override switch shall permit manual operation;
- 17 4. The override switch, when initiated, shall permit the controlled lighting to  
18 remain on for a maximum of 2 hours; and
- 19 5. Any individual override switch shall control the lighting for a maximum area  
20 of 5,000 square feet (465 m<sup>2</sup>).

21 **Exception:** Within malls, arcades, auditoriums, single tenant retail spaces,  
22 industrial facilities and arenas:

- 23 1. The time limit shall be permitted to exceed 2 hours provided the  
24 override switch is a captive key device; and
- 25 2. The area controlled by the override switch is permitted to exceed 5,000  
26 square feet (465 m<sup>2</sup>), but shall not exceed 20,000 square feet (1860  
27 m<sup>2</sup>).

28 **405.2.2.2 Occupancy sensors. {AS IN IECC-C}**

29 **405.2.2.3 Daylight zone control. {AS IN IECC-C}**

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1 **405.2.3 Specific application controls.** Specific application controls [shall] MUST be  
2 provided for the following:

3 1. AND 2. {AS IN IECC-C}

4 3. A. Hotel and motel sleeping units and guest suites [shall] MUST have a master  
5 control device at the main room entry that controls all permanently installed  
6 luminaries and switched receptacles. THESE CONTROLS MUST BE CONFIGURED  
7 SO AS TO REQUIRE USE OF THE ROOM KEY TO ACTIVATE THE LIGHTING IN THE  
8 UNIT OR SUITE.

9 B. HOTEL AND MOTEL SLEEPING UNITS AND GUEST SUITES MUST AT LEAST 1  
10 RECEPTACLE DEDICATED TO THE CHARGING OF ELECTRONIC DEVICES. THESE  
11 RECEPTACLES MUST BE OPERABLE INDEPENDENTLY OF THE MASTER CONTROL  
12 DEVICE INSTALLED UNDER SUBPARAGRAPH A OF THIS PARAGRAPH OR  
13 OTHERWISE.

14 4. TO 6. {AS IN IECC-C}

15 **405.2.4 Exterior lighting controls. {AS IN IECC-C}**

16 **SECTION 2. AND BE IT FURTHER ORDAINED,** That this Ordinance applies to all new  
17 construction of a structure or substantial improvements to a structure for which a permit  
18 application is filed on or after January 1, ~~2013~~ 2014. For this purpose:

19 (a) (1) “Substantial improvement” means any repair, reconstruction, rehabilitation,  
20 addition, or improvement of a structure, the cost of which equals or exceeds 50%  
21 of the market value of the structure before the improvement or repair is started.

22 (2) If the structure has sustained substantial damage, any repairs are considered a  
23 substantial improvement, regardless of the actual repair work performed.

24 (b) “Substantial damage” means damage of any origin sustained by a structure whereby  
25 the cost of restoring the structure to its before-damaged condition would equal or  
26 exceed 50% of the market value of the structure before the damage occurred.

27 **SECTION 3. AND BE IT FURTHER ORDAINED,** That the catchlines contained in this Ordinance  
28 are not law and may not be considered to have been enacted as a part of this or any prior  
29 Ordinance.

30 **SECTION 4. AND BE IT FURTHER ORDAINED,** That this Ordinance takes effect on the 30<sup>th</sup> day  
31 after the date it is enacted.

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Certified as duly passed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_

\_\_\_\_\_  
President, Baltimore City Council

Certified as duly delivered to Her Honor, the Mayor,  
this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_

\_\_\_\_\_  
Chief Clerk

Approved this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_

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Mayor, Baltimore City