

Order Plans

**COMcheck Software Version 4.0.8.1**  
**Interior Lighting Compliance Certificate**

**Section 1: Project Information**  
 Energy Code: 2009 IECC  
 Project Title: Extended Stay America  
 Project Type: New Construction  
 Construction Site: Pooler, GA  
 Owner/Agent: Charlene  
 Designer/Contractor: Jeffrey Blake, J&B Electrical Design, Minneapolis, MN 55445, 763-466-0505, jrb@jbelectricaldesign.com

**Section 2: Interior Lighting and Power Calculation**

Area Category	A Floor Area (sq ft)	B Allowed Watts / ft <sup>2</sup>	C Allowed Watts / ft <sup>2</sup>	D Allowed Watts (B x C)	E Proposed Watts (B x C)
Hotel (Hotel)	5250	1	1	5250	5250
				<b>Total Allowed Watts =</b>	<b>5250</b>

**Section 3: Interior Lighting Fixture Schedule**

Fixture ID / Description / Lamp / Wattage Per Lamp / Ballast	A Lamp / Fixture	B # of Fixtures	C Wattage	D E (C x D)	
Hotel (Hotel) (3000 90-100)	1	3	13	39	
LED OPT: Pendant LED PAR 12W	1	1	12	12	
LED OPT: Pendant LED PAR 18W	1	1	18	18	
LED LED: Wiproduct LED Panel 40W	1	28	40	1120	
LED LED: 4" Surface Downlight LED A Luma 9W	1	214	10	2140	
LED LED: Wiproduct LED Linear 20W	1	1	40	40	
				<b>Total Proposed Watts =</b>	<b>3029</b>

**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
5250	3029	YES

**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.

Exception:  
 Contiguous daylight zones spanning no more than two orientations are allowed to be controlled by a single control device.  
 Daylight zones enclosed by walls or ceiling height partitions and containing two or fewer light fixtures are not required to have separate switches for general area lighting.

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**COMcheck Software Version 4.0.8.1**  
**Exterior Lighting Compliance Certificate**

**Section 1: Project Information**  
 Energy Code: 2009 IECC  
 Project Title: Extended Stay America  
 Project Type: New Construction  
 Exterior Lighting Zone: 2 (Neighborhood business district)  
 Construction Site: Pooler, GA  
 Owner/Agent: Charlene  
 Designer/Contractor: Jeffrey Blake, J&B Electrical Design, Minneapolis, MN 55445, 763-466-0505, jrb@jbelectricaldesign.com

**Section 2: Exterior Lighting Area/Surface Power Calculation**

Exterior Area/Surface	A Quantity	B Allowed Watts / Unit	C Tradeable Wattage	D Allowed Watts (B x C)	E Proposed Watts (B x C)
Main entry	6 ft of door width	20	Yes	120	88
Other door (not main entry)	15 ft of door width	20	Yes	300	68
Parking area	5640 sq ft	0.06	Yes	338	2140
Walkway < 10 feet wide	832 sq ft walkway length	0.7	Yes	422	128
Walkway > 10 feet wide	143 sq ft	0.14	Yes	20	102
Illuminated area of facade wall or surface	500 sq ft	0.1	No	50	294
Signage fixture area	770 sq ft	0.24	Yes	185	211
				<b>Total Tradeable Watts*</b>	<b>2682</b>
				<b>Total Allowed Tradeable Watts**</b>	<b>5029</b>

\* Wattage tradeoffs are only allowed between tradeable areas/surfaces.  
 \*\* A supplemental allowance equal to 50% wattage may be applied toward compliance of both non-tradeable and tradeable areas/surfaces.

**Section 3: Exterior Lighting Fixture Schedule**

Fixture ID / Description / Lamp / Wattage Per Lamp / Ballast	A Lamp / Fixture	B # of Fixtures	C Wattage	D E (C x D)	
Hotel (Hotel) (8 ft door width) Tradeable Wattage	1	4	12	48	
LED: 8 ft LED DOWNLIGHT LED PAR 17W	1	4	12	48	
Other door (not main entry) 15 ft of door width Tradeable Wattage	1	4	12	48	
LED: 8 ft LED DOWNLIGHT LED PAR 17W	1	4	12	48	
Parking area (832 sq ft) Tradeable Wattage	2	13	136	2040	
LED: LP52-40 PULL LIGHT LED Roadway-Parking Ltr 67W	2	13	136	2040	
Walkway < 10 feet wide (832 sq ft) Tradeable Wattage	1	3	42	128	
LED: LF91 WALL LIGHT LED Other Fixture Ltr 40W	1	3	42	128	
Walkway > 10 feet wide (143 sq ft) Tradeable Wattage	1	4	42	168	
LED: LF91 WALL LIGHT LED Other Fixture Ltr 40W	1	4	42	168	
Illuminated area of facade wall or surface (500 sq ft) Supplemental Wattage	1	7	42	294	
LED: LF91 WALL LIGHT LED Other Fixture Ltr 40W	1	7	42	294	
Signage fixture area (770 sq ft) Tradeable Wattage	1	705	0.3	211.5	
LED: STRONG FIBER OPTIC	1	705	0.3	211.5	
				<b>Total Tradeable Proposed Watts**</b>	<b>3029</b>

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**Section 4: Requirements Checklist**

**Lighting Wattage:**

1. Where tradeable non-tradeable areas/surfaces, total proposed watts must be less than or equal to total allowed watts. Areas of tradeable areas/surfaces, total proposed watts must be less than or equal to total allowed watts.  
 Compliance: Passes using supplemental allowance watts.

**Controls, Switching, and Wiring:**

2. For emergency egress are associated with fixtures that have a control device independent of the control of the non-emergency lighting.

3. Lighting not designated for dusk-to-dawn operation is controlled by either a photosensor (with time switch), or an astronomical time switch.

4. Lighting designated for dusk-to-dawn operation is controlled by an astronomical time switch or photosensor.

5. All time switches are capable of retaining programming and the time setting during loss of power for a period of at least 10 hours.

**Exterior Lighting Efficacy:**

6. All exterior building general luminaires that operate at greater than 100W have minimum efficacy of 80 lumens/watt.

Exception:  
 Lighting that has been claimed as exempt and is identified as such in Section 2 table above.  
 Lighting that is specifically designated as required by a need: (1) life safety, (2) egress, or (3) required.  
 Emergency lighting that is automatically off during normal building operation.  
 Lighting that is controlled by motion sensor.

**Section 5: Compliance Statement**

Compliance Statement: The proposed exterior lighting design presented 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 2009 IECC requirements in COMcheck Version 4.0.8.1 and to comply with the mandatory provisions in the Requirements Checklist.

Jeffrey A. Blake - Electrical Engineer  
 Date: 11/01/18  
 Signature: [Signature]

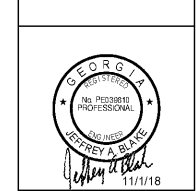
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DATE	ISSUE/REVISION
11/01/18	ISSUED FOR PERMIT



COMMISSION NO: 18-120-00  
DRAWING NO:  
**E702**  
 POOLER, GA