



COMcheck Software Version 4.0.7.2 Review
Interior Lighting Compliance Certificate

Project Information

Energy Code: 90.1 (2007) Standard
Project Title: Old Navy - Buckhead Station
Project Type: Alteration

Construction Sited: 1 Buckhead Loop NE, Atlanta, GA 30326
Owner/Agent: GAP Inc., Store Development, 2 Falcon Street, San Francisco, CA 94105
Designer/Contractor: M-Engineering, 750 Brookside Blvd, Westerville, OH 43081, 614-839-4639, @mengineering.us.com

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft ²)	C Allowed Watts / ft ²	D Allowed Watts (B X C)
1-Sales (Retail Sales Area)	2367	1.70	21588
Allowance: Furniture, clothing, cosmetics highlighting / Fix. ID: D9W	2306 (a)	2.60	5200 (b)
2-Office (Common Space Types: Office - Enclosed)	97	1.10	107
3-Fitting Room (Common Space Types: Dressing/Locker/Fitting Room)	524	0.60	314
4-B.O.H. (Common Space Types: Active Storage)	1279	0.90	1023
5-Corridor (Common Space Types: Corridor/Transition)	126	0.50	64
6-Closet (Common Space Types: Electrical/Mechanical)	62	1.50	93
7-Restroom (Common Space Types: Restroom)	148	0.90	133
Supplemental Allowed Watts (watts) =			754
Total Allowed Watts =			29266

(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 Proposed Power section, whichever is less.
(c) Supplemental watts must be associated with retail merchandise highlighting fixtures.

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Sales (Retail Sales Area 12817 sq.ft.) Track Lighting 1: D9W, Track: Voltage based on circuit breaker capacity (160 amps x 120 volts)	0	0	19200	19200
Linear Fluorescent 1: F1-4U; Fluorescent: 48" T8 32W; Electronic	2	65	57	3105
Linear Fluorescent 1 copy 1: F1-8AY; Fluorescent: 48" T8 32W; Electronic	2	43	67	2451
LED 1: P18; Pendant: LED PAR 10W	1	15	10	150
Linear Fluorescent 3 copy 1: L-EM; Fluorescent: Other: Electronic	2	20	44	880
Office (Common Space Types: Office - Enclosed 97 sq.ft.) Linear Fluorescent 8: RF2; Fluorescent: Other: Electronic	2	4	44	176
Fitting Room (Common Space Types: Dressing/Locker/Fitting Room 524 sq.ft.) Linear Fluorescent 1 copy 1: F1-8AY; Fluorescent: 48" T8 32W; Electronic	2	6	57	342
Linear Fluorescent 1 copy 1: F1A-4; Fluorescent: 48" T8 32W; Electronic	1	10	37	392

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Section # & Req ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
9.4.1.1 (E1.1)	Automatic controls to shut off all building lighting installed in buildings >=5,000 ft ²	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met. Location on plans/spec: E9-3
9.4.1.2 (E1.2)	Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met. Location on plans/spec: E1-1
9.4.1.4 (E1.4)	Separate lighting control devices for specific uses installed per approved lighting plans.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met. Location on plans/spec: E1-1
9.4.2 (E1.5)	Ballasted one and three lamp fixtures with >=30 W/lamp have two lamp tandem wired ballasts when >=2 fixtures in same space on same control.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met. Location on plans/spec: E4-0
9.4.3 (E1.6)	Exit signs do not exceed 5 watts per face.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met. Location on plans/spec: E4-0
9.6.2 (E1.8)	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met. Location on plans/spec:

Additional Comments/Assumptions:

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A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Linear Fluorescent 1 copy 2: F1-4U; Fluorescent: 48" T8 32W; Electronic	1	2	37	74
LED 1 copy 1: P18B; Pendant: LED PAR 10W	1	4	10	40
Linear Fluorescent 3: L-EM; Fluorescent: Other: Electronic	2	1	44	44
B.O.H. (Common Space Types: Active Storage 1279 sq.ft.) Linear Fluorescent 1 copy 2: F2-8W; Fluorescent: 48" T8 32W; Electronic	4	10	111	1110
Linear Fluorescent 1 copy 3: F2-8W; Fluorescent: 48" T8 32W; Electronic	4	2	57	114
Corridor (Common Space Types: Corridor/Transition 126 sq.ft.) LED 3: R9; Downlight: Other	1	6	29	174
Closet (Common Space Types: Electrical/Mechanical 62 sq.ft.) LED 3 copy 1: R9; Downlight: Other	1	2	29	58
Restrooms (Common Space Types: Restrooms 148 sq.ft.) LED 3 copy 2: R9; Downlight: Other	1	4	29	116
LED 1 copy 2: S9; Source: LED PAR 10W	1	4	10	40
Total Proposed Watts =				29266

Interior Lighting: Passes using retail merchandise highlighting supplemental watts

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 90.1 (2007) Standard requirements in COMcheck Version 4.0.7.2 Review and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Adam Hatfield - Designer
Name - Title: Adam Hatfield - Designer Signature: [Signature] Date: 12/28/2017

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Section # & Req ID	Final Inspection	Complies?	Comments/Assumptions
8.7.1 (F1A)	Furnished as-built drawings of electric power systems with system acceptance	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
8.7.2 (F1T)	Approved O&M instructions for systems and equipment to the building or designated representative	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
9.2.2.3 (F1B)	Installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Interior Lighting fixture schedule for values.

Additional Comments/Assumptions:

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COMcheck Software Version 4.0.7.2 Review
Inspection Checklist

Energy Code: 90.1 (2007) Standard

Requirements: 100.0% were addressed directly in the COMcheck software
Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req ID	Plan Review	Complies?	Comments/Assumptions
4.2.2 (F4A)	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met. Location on plans/spec: E13-0/E13-1
8.4.1.1 (F8A)	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the electrical systems and equipment and document where exceptions are claimed. Feeder conductors sized in accordance with approved plans and branch circuits sized for maximum drop of 3%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met. Location on plans/spec: E13-0/E13-1

Additional Comments/Assumptions:

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REMODEL STORE

OLD NAVY

GAP INC., STORE DEVELOPMENT, 2 FALCON STREET, SAN FRANCISCO, CA 94105

REPS. I.D.: 00000131847

STORE NUMBER: 5724

STORE LOCATION: BUCKHEAD STATION, 1 BUCKHEAD LOOP NE, ATLANTA, GA 30326

DESIGN TYPE: P3
GENERATION: 18012
PROTOTYPE DATE: 08/31/17
OPENING: 2018

CONSULTANT INFO:
M-Engineering
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Westerville, Ohio 43081
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brr
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ISSUE TYPE:
BID/PERMIT 01/05/18

REVISIONS:

DRAWN BY: AMH
A/E JOB NUMBER: 65013029/1742070

TITLE SHEET:
ENERGY CALCULATIONS

SHEET NUMBER:
E0-2

Order Plans