

COMcheck Software Version 4.0.6.2  
**Interior Lighting Compliance Certificate**

**Project Information**  
 Energy Code: 2014 Florida Building Code, Energy Conservation  
 Project Title: Alteration  
 Project Type: Alteration

Construction Site: Owner/Agent: Designer/Contractor:  
 KLI Engineers  
 1538 Alexandria Pike  
 Fort Thomas, KY 41075

**Allowed Interior Lighting Power**

A Area Category	B Floor Area (ft <sup>2</sup> )	C Allowed Watts / ft <sup>2</sup>	D Allowed Watts (B x C)
1 Sales Area 100 (Retail/Sales area)	2238	1.60	3582
Allowance: Furniture, clothing, cosmetics highlighting / Fix. ID: Track lighting 1	500 (a)	1.40	700 (b)
Allowance: Furniture, clothing, cosmetics highlighting / Fix. ID: Track lighting 1 copy	791 (d)	1.40	1107 (b)
1			
Allowance: Furniture, clothing, cosmetics highlighting / Fix. ID: Track lighting 1 copy	500 (a)	1.40	700 (b)
2			
2 Restroom 102 (Common Space Types: Restroom)	54	1.00	54
3 Ft. Room: 103 (Retail Dressing/Fitting area)	50	0.90	45
4 Ft. Room: 104 (Retail Dressing/Fitting area)	39	0.90	35
5 Stockroom 105 (Common Space Types: Storage)	789	0.90	710
Supplemental Allowed Watts (rule 6)			384
Total Allowed Watts			7298

(a) Area allowed 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 Area 100 (Retail/Sales area 2238 sq.ft.)				
H.H. CASHWRAPE PENDANT, Other:	0	2	26	52
A8, All, Other:	0	12	108	1296
Track lighting 1: Wattage based on current limiting device capacity	0	0	0	1440
Track lighting 1 copy 1: Wattage based on current limiting device capacity	0	0	0	1440
Track lighting 1 copy 2: Wattage based on current limiting device capacity	0	0	0	1440
Track lighting 1 copy 3: Wattage based on current limiting device capacity	0	0	0	Exempt
Exception: Retail Display Window				
Restroom 102 (Common Space Types: Restroom 54 sq.ft.)				
U.C. RECESSED DOWNLIGHT, Other:	1	2	16	32
Ft. Room 103 (Retail Dressing/Fitting area 50 sq.ft.)				
P.P. LED CYLINDER LIGHT, Other:	1	1	33	33

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Section # & Req. ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.2 (EL12)	Automatic controls to shut off all building lighting installed in all buildings.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.1 (EL23)	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.
C405.2.1 (EL15)	Lighting controls installed to uniformly reduce the lighting load by at least 50%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.2 (EL16)	Daylight zones provided with individual controls that control the lights independent of general area lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C405.2.3 (EL17)	Sleeping units have at least one master switch at the main entry door that controls wired luminaires and switcher receptacles.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C405.2.2 (EL18)	Occupancy sensors installed in required spaces.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.2 (EL20)	Primary sighted areas are equipped with required lighting controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C405.2.2 (EL21)	Enclosed spaces with daylight area under skylights and rooftop monitors are equipped with required lighting controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.3 (EL4)	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.
C405.3 (EL3)	Fluorescent luminaires with odd numbered lamp configurations that are within 10 feet center to center (if recess mounted) or are within 10 feet edge to edge (if pendant or surface mounted) to be tandem wired.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Exception: Requirement does not apply.
C405.4 (EL6)	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.
C405.2.3 (EL6)	Approved interior lighting power allowed for special fixtures per the approved lighting plans and all lighting controls are separately controlled.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:  
 1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)  
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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)
Ft. Room 104 (Retail Dressing/Fitting area 39 sq.ft.)				
P.P. LED CYLINDER LIGHT, Other:	1	1	33	33
Stockroom 105 (Common Space Types: Storage 789 sq.ft.)				
J4, J4, LED STRIP LIGHT, Other:	1	11	48	528
J4, J4, LED STRIP LIGHT, Other:	1	9	165	1485
Total Proposed Watts				7298

**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 2014 Florida Building Code, Energy Conservation requirements in COMcheck Version 4.0.6.2 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name: Title: Signature: Date:

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COMcheck Software Version 4.0.6.2  
**Inspection Checklist**

Energy Code: 2014 Florida Building Code, Energy Conservation  
 Requirements: 94.0% 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
C405.2 (PR17)	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. Provisions are made for metering individual tenant units. Feeder conductors sized in accordance with approved plans with maximum drop of 2% 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.
C103.2 (PR4)	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standards 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.

Additional Comments/Assumptions:

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Section # & Req. ID	Final Inspection	Complies?	Comments/Assumptions
C408.2.5 (F16)	Furnished as-built drawings for electric power systems within 30 days of 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.
C408.2.5 (F17)	Furnished O&M instructions for systems and equipment in the building owner 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.
C405.2 (F18)	Interior 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.
C408.3 (F13)	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

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**KLH ENGINEERS**  
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**RGLA SOLUTIONS, INC.**  
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**TESTING NOTE**  
 INSTALLING CONTRACTORS RESPONSIBLE FOR INSTALLATION CERTIFICATES. CONTRACTOR RESPONSIBLE FOR CONTRACTING WITH APPROPRIATE PARTIES TO CHANGE FOR TESTING OF THE SYSTEM AND COMPLETION OF ACCEPTANCE TESTING CERTIFICATES

REVISIONS	DATE
ISSUE FOR DESIGN	10/27/2017
LANDLORD AND PERMIT	
ISSUE FOR PERMIT	11/17/2017

**robert g. lyon + associates, inc.**  
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**THE NORTH FACE**  
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 19501 BISCAYNE BLVD  
 SPACE #327  
 AVENTURA, FL 33180

**ELECTRIC ENERGY COMPLIANCE**

DRAWN BY	LAH
CHECKED BY	LGJ
JOB NUMBER	19811
SHEET NAME	E4.1

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