

Lbrands
 STORE DESIGN & CONSTRUCTION
 Three Limited Parkway - Columbus, Ohio 43230
 Telephone: 614.415.7000 - Fax: 614.415.7349

COMcheck Software Version 4.0.8.0
Interior Lighting Compliance
Certificate

Section 1: Project Information
 Energy Code: 2012 North Carolina Energy Conservation Code
 Project Title: Bath & Body Works - Charlotte Premium Outlet
 Project Type: Alteration
 Construction Site: 5404 New Fashion Way, Charlotte, NC 28278
 Owner/Agent: [Redacted]
 Designer/Contractor: Thorson Baker + Associates, 3030 West Shreveport Road, Charlotte, NC 28227, 704-459-9988

Section 2: Interior Lighting and Power Calculation

Area Category	A Floor Area (ft ²)	B Allowed Watts / ft ²	C Allowed Watts	D Allowed Watts (B x C)
Common Space: Typical Restroom	123	0.84	103	103
Common Space: Typical Active Storage	626	0.91	569	569
Retail Specialty Store Sales Area	2948	1.0	2948	2948
Allowance: Furniture, clothing, cosmetics highlighting / Fix. ID: 100W	1636	0.9	1472	1472
Allowance: Furniture, clothing, cosmetics highlighting / Fix. ID: 75W	1434	0.9	1290	1290
Allowance: Furniture, clothing, cosmetics highlighting / Fix. ID: Track lighting	2948(N)	0.9	2653	2653
1	1396	0.9	1256	1256
			Total Allowed Watts =	8090

(A) Area category may exceed total floor area when Retail Merchandise highlighting allowance is specified.
 (B) Allowance is (D / C) or the actual wattage of the fixture given in Section 2, whichever is less.

Section 3: Interior Lighting Fixture Schedule

Fixtures ID / Description / Lamp / Fixture / Ballast	A Lamp / Fixture Watt	B Ft ²	C Ft ²	D Ft ²	E Ft ²
Common Space: Typical Restroom (123 sq ft)					
A1: LED Downlight: Other	1	2	14	28	28
A7: LED Downlight: Other	1	1	14	14	14
Common Space: Typical Active Storage (626 sq ft)					
F1: 48" 18 220V: Electronic	1	4	32	128	128
F3: 48" 18 220V: Electronic	1	1	32	32	32
F4: 48" 18 220V: Electronic	1	7	32	224	224
F5: 48" 18 220V: Electronic	1	1	32	32	32
F6: LED Downlight: Other	1	2	15	30	30
Retail Specialty Store Sales Area (2948 sq ft)					
B1: LED Downlight: Other	1	4	15	60	60
B2: LED Downlight: Other	1	6	15	90	90
C1: Recessed LED: Other	1	2	15	30	30
D1: Recessed LED: Other	2	5	30	150	150
E1: Recessed LED: Other	2	5	30	150	150
E2: Recessed LED: Other	2	8	30	240	240
Exception: Track Lighting					
30W XP50H for Recessed Mounted LED: Other	1	2	30	60	60
30W XP50H for Recessed Mounted LED: Other	1	18	60	1080	1080
75W XP50H for Recessed Mounted LED: Other	1	22	75	1650	1650

Project Title: Bath & Body Works - Charlotte Premium Outlet
 Data Name: 100_projects\2018\01-14\Engineering_Energy_Calc\2018-01-14_COMcheck.cck
 Report date: 03/09/18
 Page 1 of 3

Item	1	2	100	Exempt
R1: LED FANLAMP: Other	1	4	25	100
Exception: non-adjustable Supplemental Task Lighting	1	4	25	100
R2: LED pendant: Other	1	4	25	100
R3: LED pendant: Other	1	4	25	100
Task Lighting - 1500lm based on normal lighting device capacity	0	0	5840	3960
100W XP50H for Recessed Mounted LED: Other	1	1	100	100
			Total Proposed Watts =	8116

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
8090	8116	Passes
- Controls, Switching, and Wiring:**
- 2. Separate lighting controls present for: Display/Accent Lighting, Case Lighting, lighting for non-visual applications (e.g., such as plant growth and food warming), lighting equipment that is for sale or for demonstration in lighting education.
 - 3. Hand and control panel units and gear switches have a master control device or the master control device that controls all permanently installed luminaires and switches/receptacles.
 - 4. Supplemental task lighting has a control device integral to the luminaires or controlled by a wall-mounted control device. The control device is readily accessible and located so that the occupant can see the controlled lighting.
 - 5. Independent controls for each space (switch/capacity sensor).
 - Exemptions:
 - Lighting in stairways or junctions that are elements of the means of egress.
 - Individual dwelling units separately metered.
 - Medical task lighting or ambulatory display lighting designed to be exempt from occupancy sensor control device has control of the control of the associated lighting.
 - 6. Each space required to have a manual control also allows for reducing the unswitched lighting at least 50 percent by either controlling all luminaires, dual switching of alternate rows of luminaires, or alternate luminaires.
 - Exemptions:
 - One luminaire in space.
 - An occupant sensing device controls the area.
 - The area is a corridor, stairway, room, public toilet or sleeping unit.
 - 7. Areas that are less than 8 ft high.
 - Exemptions:
 - Automatic lighting shut-off.
 - 8. Photoluminescent lighting.
 - Exemptions:
 - Lighting controls are installed to ensure that lighting devices, components, equipment, and systems are calibrated, adjusted and operate in accordance with approved plans and specifications. Supervisors of operation shall be functionally trained to ensure they operate in accordance with approved plans and specifications.

Section 5: Compliance Statement

The proposed lighting abatement project represented in this document is consistent with the Building Plans, specifically as shown on the abatement schedule submitted with this permit application. The proposed lighting abatement project has been designed to meet the requirements of the 2012 North Carolina Energy Conservation Code, Chapter 422, Article 04, Section 422.04.01, and the 2012 North Carolina Energy Conservation Code, Chapter 422, Article 04, Section 422.04.02.

The 2012 North Carolina Energy Conservation Code, Chapter 422, Article 04, Section 422.04.01, and the 2012 North Carolina Energy Conservation Code, Chapter 422, Article 04, Section 422.04.02, are hereby acknowledged and the requirements in the Requirements Checklist are hereby accepted.

JEFF AUTEKRO-PE
 1/13/18



Order Plans @

PROJECT INFORMATION:
104.01.2445.01
BATH & BODY WORKS
CHARLOTTE PREMIUM OUTLETS
 5404 NEW FASHION WAY
 SPACE NO. 240
 CHARLOTTE, NC 28278

SCORE: 100%
 DESIGN TYPE: A/E
 LSCAC PROJECT #:
 REVISIONS:
 OCCURRED BY: DATE

ELITE CONSTRUCTION GROUP
 LAKE JACKSON, TN
 PHONE: (615) 281-8877
 NOTE: THESE PRINTS HAVE BEEN
 REVIEWED BY ME/REVIEWER: NCM/IE
 WILL BE 50 PERCENT OF WHAT IS
 NOTED ON PLANS

DATE ISSUED: 03/13/18
 DESIGNED BY: RWJ
 DRAWN BY: TBA
 CHECKED BY: JDW

ELECTRICAL
COMCHECK

DRAWING NUMBER:
E07.01