



# Exterior Lighting Compliance Certificate

## Project Information

Energy Code: 2018 IECC  
 Project Title: Project Indiana  
 Project Type: New Construction  
 Exterior Lighting Zone: 2 (Light industrial area with limited nighttime use)

Construction Site: 6710 Indiana Street  
 Arvada, CO 80007  
 Owner/Agent:  
 Designer/Contractor:

## Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Parking Lot/Building Lighting (Parking area)	1452500 ft2	0.04	Yes	58100
Van Drive Thru Canopy (Free standing/attached sales canopy)	54010 ft2	0.4	Yes	21604
Total Tradable Watts (a) =				79704
Total Allowed Watts =				79704
Total Allowed Supplemental Watts (b) =				400

- (a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
- (b) A supplemental allowance equal to 400 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

## Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
<u>Parking Lot/Building Lighting ( Parking area 1452502 ft2): Tradable Wattage</u>				
LED 1: A: POLE - SINGLE: Other:	1	69	140	9660
LED 2: B: POLE - SINGLE: Other:	1	11	102	1122
LED 3: C: POLE - SINGLE: Other:	1	16	102	1632
LED 4: F: WALL PACK: Other:	1	15	71	1065
LED 5: I: WALL PACK: Other:	1	5	125	625
<u>Van Drive Thru Canopy ( Free standing/attached sales canopy 54010 ft2): Tradable Wattage</u>				
LED 6: Other:	1	78	102	7956
Total Tradable Proposed Watts =				22060

**Exterior Lighting PASSES: Design 72% better than code**

## Exterior Lighting Compliance Statement

*Compliance Statement:* The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.4.2 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Henry Kieu - Electrical Designer  
 Name - Title

*Henry Kieu*  
 Signature

12/23/2020  
 Date