SS

LEED v2.2

Dallas Green Building Program Submittal Template

SS Credit 8 Light Pollution Reduction

Design Responsibility

Design Professional (LA, MEP) ○

Documentation Phase

Plan Review (PR)

Project Name: _____ **Project Type:** _____

Address: _____ **Project Size:** _____

I, _____, from _____ verify that the
(Responsible Individual) *(Company Name)*
information provided below is accurate, to the best of my knowledge.

CREDIT COMPLIANCE

Minimize light trespass from the building and site, reduce sky-glow to increase nighttime visibility through glare reduction and reduce development impact on nocturnal environments.

INTERIOR LIGHTING: The angle of maximum candela from each interior luminaire as located in the building shall intersect opaque building interior surfaces and not exit out through the windows.

OR

All non-emergency interior lighting shall be automatically controlled to turn off during non-business hours. Provide manual override capability for after hours use.

AND

EXTERIOR LIGHTING: Only light required for safety and comfort. Do not exceed 80% of the lighting power densities for exterior areas and 50% for building facades and landscape features as defined in ASHRAE/IESNA Standard 90.1-2004, Exterior Lighting Section, without amendments.

All projects shall be classified under one of the following zones, as defined by IESNA RP-33 and shall follow all of the requirements for that specific zone.

LZ1 - Dark (Park and Rural Settings)	☐	**LZ3** - Medium (Commercial/Industrial, High-Density Residential)	☐
LZ2 - Low (Residential Areas)	☐	**LZ4** - High (Major City Centers, Entertainment Districts)	☐

SUPPORT DOCUMENTS REQUIRED

			(City Use)
1. Provide copies of the project's lighting drawings (interior and site). Interior drawings should clearly show exterior building surfaces to confirm that the maximum candela from interior fixtures does not intersect transparent or translucent building surfaces.	Provided	☐	☐
2. Confirmation that the interior lighting design has been evaluated to ensure that the maximum candela from each interior luminaire intersects opaque interior surfaces, OR, that automatic controls have been installed to turn off interior lighting during non-occupied hours.	Provided	☐	☐
AND			
For projects with no Exterior Lighting - confirm that no exterior lighting has been installed.	Provided	☐	☐
OR			
For projects with exterior lighting:			
1. Complete the Lighting Power Density calculations for both exterior site lighting and facade/landscape lighting.	Provided	☐	☐
2. Confirm the site zone classification for the project.	Provided	☐	☐
3. Complete the Site Lumen Calculation.	Provided	☐	☐
4. Provide a narrative that includes specific informatin regarding the light trespass analysis.	Provided	☐	☐

Submitted by: _____

Date: _____ *(professional seal if applicable)*

(City Use Only)

Reviewer: _____ **Date:** _____

Additional Comments: _____

_____

Complete ☐

Denied ☐

Pending ☐