



LEED 2009 for Retail: Commercial Interiors

EA PREREQUISITE 2 : MINIMUM ENERGY PERFORMANCE

All fields and uploads are required unless otherwise noted.

MANDATORY AND PRESCRIPTIVE REQUIREMENTS

This static sample form has been modified for offline access. All sections of the form are visible. Sample forms are for reference only.

Signatory EAp2-1.

For all design and construction elements included in the architect or interior designer scope of work for the project:
The project design complies with all ASHRAE 90.1-2007 mandatory provisions (Sections 5.4, 6.4, 7.4, 8.4, 9.4, and 10.4).
The project design complies with ASHRAE 90.1-2007 prescriptive requirements (Sections 5.5 or 5.6, 6.5, 7.5 and 9.5) or performance requirements (Section 11).

Select one of the following:

- ☐ **Signature.** Provide a digital signature affirming the signatory statement in gray directly above.
- Initial here:
- OR ☐ **Upload EAp2-S1.** Provide a document with the signatory statement, copied directly from the form, signed and dated on letterhead.
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Signatory EAp2-2.

For all design and construction elements included in the design engineer scope of work for the project:
The project design complies with all ASHRAE 90.1-2007 mandatory provisions (Sections 5.4, 6.4, 7.4, 8.4, 9.4 and 10.4).
The project design complies with ASHRAE 90.1-2007 prescriptive requirements (Sections 5.5 or 5.6, 6.5, 7.5 and 9.5) or performance requirements (Section 11).

Select one of the following:

- ☐ **Signature.** Provide a digital signature affirming the signatory statement in gray directly above.
- Initial here:
- OR ☐ **Upload EAp2-S2.** Provide a document with the signatory statement, copied directly from the form, signed and dated on letterhead.
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Upload EAp2-1. Provide the following Interactive Compliance Forms; found at:

(Optional)

- 1) Building Envelope Compliance Documentation.
- 2) HVAC Compliance Documentation.
- 3) Service Water Heating Compliance Documentation.

LIGHTING POWER DENSITY

Upload EAp2-2. Provide the "Lighting Compliance Documentation" Interactive Compliance Form, found at:

Note: The "Interior Lighting Power Allowance" Table is optional. However, remaining sections are required.

Lighting power density is calculated by (select one):

- ☐ Using the space-by-space approach.
- ☐ Applying the whole building lighting power allowance to the tenant space.
- ☐ The project includes specific lighting functions that require an additional interior lighting power allowance. (Optional)

Energy code used:

Table EAp2-1. Lighting Power Density

Complete the following table for all spaces in the LEED project scope.

Building Area or Space Type ¹	Code Allowed LPD (W/sf)	Gross Area (sf)	Lighting Power Allowance (W)	Installed Interior Lighting Power (W)
Total				
Percentage Lighting Power Reduction Achieved (%) <i>Must be at least 10%</i>				

Table EAp2-2. Additional Lighting Power Allowance

Special Lighting Space Type	Gross Area (sf)	Additional LPD Allowance (W/sf)	Additional Lighting Power Allowance (W)	Installed additional Interior Lighting Power (W)
Total Lighting Power Allowance for Additional Interior Lighting Power (Add 1000W to total if lighting used for sales) (watts)				

Table EAp2-3. Lighting Power Density Summary

Total Lighting Power Allowance	Energy Code Allowance (W)	Installed (W)
Regular Interior Lighting Power (watts)		
Additional Interior Lighting Power ¹ (W)		
Total		
Percentage of Lighting Power Reduction Achieved ² (%)		

Notes:

1 Will be zero if the project does not include specific lighting functions that warrant additional lighting power allowance per ASHRAE 90.1-2007 Section 9.6.2. Only actual lighting wattage installed can be claimed as additional lighting power allowance.

2 Under EAp2, this must be 10% or greater to achieve compliance. Under EAc1.1, this must be 15% or greater to achieve 1 point, 20% or greater to achieve 2 points, 25% or greater to achieve 3 points, 30% or greater to achieve 4 points, and 35% or greater to achieve 5 points. and 40 % or greater to achieve exemplary performance.

ENERGY STAR RATED EQUIPMENT

Table EAp2-4. ENERGY STAR Equipment

Complete the following table for all spaces in the LEED project scope. If no ENERGY STAR or non-ENERGY STAR equipment is installed for a certain line, enter "0".

Category	Non-ENERGY STAR Equipment			ENERGY STAR Equipment				
	#	Rated Power (watts)	Subtotal	Make & Model	#	Rated Power (Watts)	Subtotal	Total
Totals								
Percent ENERGYSTAR rated equipment (by rated power)								

Note: Under EAp2, this must be 50% or greater to achieve compliance. Under EAc1.4, this must be 70% or greater to achieve 1 point, 77% or greater to achieve 2 points, 84% or greater to achieve 3 points, 90% or greater to achieve 4 points, and 97% or greater to achieve exemplary performance.

ADDITIONAL DETAILS

- ☐ Special circumstances preclude documentation of prerequisite compliance with the submittal requirements outlined in this form.

SPECIAL CIRCUMSTANCES

Describe the circumstances limiting the project team's ability to provide the submittals required in this form. Be sure to reference what additional documentation has been provided, if any. Non-standard documentation will be considered upon its merits.

Upload EAp2-SC. Provide any additional documentation that supports the claim to special circumstances. (Optional)

☐ The project team is using an alternative compliance approach in lieu of standard submittal paths.

ALTERNATIVE COMPLIANCE PATH

Describe the alternative compliance path used by the project team. Include justification that this path meets the prerequisite intent and requirements. Be sure to reference what additional documentation has been provided, if any. Non-standard documentation will be considered upon its merits.

Upload EAp2-ACP. Provide any additional documents that support the alternative compliance path approach. (Optional)

SUMMARY

EA Prerequisite 2: Minimum Energy Performance Compliance Documented: