

LIGHTING COMPLIANCE SUMMARY

2021 WSEC Compliance Forms for Commercial Buildings including Group R2, R3 & R4 over 3 stories and all R1

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Project & Applicant Information	Project Title	Puyallup Mazda Customer Service Drop-Off Expansion - 2021 WSEC		For Building Department Use:	Date: Aug 21, 2025
	Project Address	WA		PRCA20251194	
	Applicant Name	Scott Kelly			
	Applicant Phone	253-759-0118			
	Applicant Email	ScottK@crossengineers.com			
For questions about this report, contact WSEC Commercial Technical Support at 360-539-5300 or via email at com.techsupport@waenergycodes.com					

Full-Sized legible color report must be on site and made available by the Permittee for all inspections.

General Occupancy	All Commercial		General Building Use Type	Retail, Automobile Dealership	Building Cond. Floor Area	1,577
General Project Types	Building Addition	New Building or Addition Lighting Scope	Interior Lighting Exterior Lighting	Alteration Lighting Scope	Project Cond. Floor Area	1,577
		Floors Above Grade	1			
		Compliance Method	General Prescriptive			
Lighting Project Description						

Lighting Compliance Scope and Method	Project Type	Interior / Exterior (Interior includes both interior & parking)	Luminaire Replacement Scope	Compliance Method	LPA Calculation Adjustment	Compliance Verification
	Building Addition	Interior Lighting		Space by space	Reduced lighting power density option - 20%	COMPLIES
	Building Addition	Exterior Lighting			Not applicable to exterior	COMPLIES
Additional Energy Efficiency (AEC) Measures Included	Reduced lighting power density - 20% lower than LPA		Load Management (LDM) Measures Included		No lighting or electrical load management measures included in project	

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Lighting Power Calculation	BUILDING ADDITION - INTERIOR LIGHTING			Compliance Verification	COMPLIES	
Compliance Method	Space by space		LPA Calculation Adjustment	LPA x 0.8		

Interior Lighting Power Allowance - Space by Space						
General Space Type	Specific Space Type	Gross Interior Area (SF)	LPA (Watts/SF)	Total Watts Allowed (SF x LPA x 0.8)	Total Proposed Watts (LPD + Display LPD)	Compliance Status
Vehicle maintenance		1,577	0.60	946		
Proposed Total LPD					740	
Totals		Calculation Adjustment Applied - LPA x 0.8		757	740	COMPLIES

Proposed Lighting Power Density						
Fixture Type	Fixture ID	Quantity of Fixtures (#F)	Watts or Wattage Limit per Fixture (WpF)	Total Linear Feet (LF)	Watts per Linear Foot (WpLF)	Total Watts Proposed (#F x WpF) or (LF x WpLF)
Individual Fixtures						
Other fixture type	Type B/BX	10	74			740
Proposed Total LPD						740

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Proposed Fixtures Details	BUILDING ADDITION - INTERIOR LIGHTING					
Fixture Type/Application	Fixture ID	Location in Documents	Lamp Type	New or Existing-to-Remain		
Individual Fixtures						

Other fixture type	Type B/BX	Sheet E2.0	LED		New
	Fixture Description:			Are these fixtures located within a daylight zone?:	
	Do these fixtures require specific application lighting controls?:				

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Lighting Power Calculation	BUILDING ADDITION - EXTERIOR LIGHTING			Compliance Verification		COMPLIES
Exterior Lighting Zone	ZONE 3		Base Site Allowance		400	

			Remaining Base Site Allowance Watts		400	
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Exterior Additional Lighting Power Allowance									
Additional LPA Surface	Surface Sub-Type	Surface Area (SF)	LPA (Watts/SF)	# of Items	LPA (Watts per # of items)	Total Watts Allowed (LPA x SF) or (LPA x # of Items)	Total Proposed Watts by Surface Type	Proposed Watts Exceeding LPA	Compliance Status
Building façade		1,344	0.113			152	384	232	
Total Proposed Watts Exceeding LPA								-232.1	
Remaining Base Site Allowance								168	COMPLIES

Proposed Exterior Additional Lighting Power Density							
Fixture Type	Fixture ID	Additional LPA Surface Type	Quantity of Fixtures (#F)	Watts or Wattage Limit per Fixture (WpF)	Total Linear Feet (LF)	Watts per Linear Foot (WpLF)	Total Watts Proposed (#F x WpF) or (LF x WpLF)
Individual Fixture							
Other fixture type	Type W1	Building façade -	6	64			384

Fixture Type	Fixture ID	Location in Documents	Lamp Type	Additional LPA Surface Type	New or Existing-to-Remain
Individual Fixture					
Other fixture type	Type W1	Sheet E2.0	LED	Building façade -	New
Do these fixtures require specific exterior lighting controls?: None required					