

LIGHTING COMPLIANCE SUMMARY

2018 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	PSE Operational Training Center - 2018 WSEC		For Building Department Use:	PRCNC20240216	Date: Nov 01, 2023
	Project Address	325 Todd Road NW Puyallup, WA 98371				
	Applicant Name	Matt Reeves		<div style="border: 2px solid red; padding: 5px;"> Full-Sized legible color report is required to be provided by the Permittee on site for all Inspections </div>		
	Applicant Phone	360-734-4744				
	Applicant Email	matt@zervasgroup.com				
For questions about this report, contact WSEC Commercial Technical Support at 360-539-5300 or via email at com.techsupport@waenergycodes.com						



General Occupancy	All Commercial		General Building Use Type	Education, Vocational	Building Cond. Floor Area	33,837
General Project Types	New Building	New Building or Addition Lighting Scope	Interior Lighting Exterior Lighting	Alteration Lighting Scope	Project Cond. Floor Area	33,837
					Floors Above Grade	1
					Compliance Method	Compliance Method 1 - General
Lighting Project Description	NEW LED FIXTURES					

Lighting Compliance Scope and Method	Project Type	Interior / Exterior (Interior includes both interior & parking)	Luminaire Replacement Scope	Compliance Method	LPA Calculation Adjustment	Compliance Verification
	New Building	Interior Lighting		Building area	No Calculation Adjustments selected	COMPLIES
	New Building	Exterior Lighting			Not applicable to exterior	COMPLIES

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Lighting Power Calculation	NEW BUILDING - INTERIOR LIGHTING			Compliance Verification	COMPLIES	
Compliance Method	Building area		LPA Calculation Adjustment		none	

Interior Lighting Power Allowance - Building Area					
Building Areas	Gross Interior Area (SF)	LPA (Watts/SF)	Total Watts Allowed (SF x LPA x 1)	Total Proposed Watts By Building Area	Compliance Status by Building Area
School/university	33,837	0.70	23,686	18,951	COMPLIES

Proposed Lighting Power Density								
Fixture Type/Application	Fixture ID	Building Area	New or Existing-to-Remain	Quantity of Fixtures, CLDs or Luminaires (#F)	Watts per Fixture, CLD or Luminaire (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	DL1	School/university	New	24	21			504
Other fixture type	TF1	School/university	New	42	44			1,848
Other fixture type	RL1	School/university	New	63	8			500
Other fixture type	PL1	School/university	New	48	32			1,536
Other fixture type	PL2	School/university	New	233	23			5,359
Other fixture type	PL3	School/university	New	52	177			9,204

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Proposed Fixtures Details	NEW BUILDING - INTERIOR LIGHTING					
Fixture Type/Application	Fixture ID	Location in Documents		Lamp Type	Building Area	New or Existing-to-Remain
Individual Fixtures						
Other fixture type	DL1	E2.01-E2.02		LED	School/university	New

	Fixture Description: RECESSED 6" LED DOWNLIGHT			Are these fixtures located within a daylight zone?: No
	Do these fixtures require specific application lighting controls?: None required			
Other fixture type	TF1	E2.01-E2.02	LED	School/university New
	Fixture Description: RECESSED LED 1X4 LED LINEAR DIE-FORMED			Are these fixtures located within a daylight zone?: Yes, controls provided
	Daylight zone location(s): Sidelit daylight zones (primary and/or secondary)			Dimming method: Continuous dimming
	Do these fixtures require specific application lighting controls?: None required			
Other fixture type	RL1	E2.01-E2.02	LED	School/university New
	Fixture Description: CONTINUOUS RECESSED LED LINEAR LUMINAIRE (FT)			Are these fixtures located within a daylight zone?: No
	Do these fixtures require specific application lighting controls?: None required			
Other fixture type	PL1	E2.01-E2.02	LED	School/university New
	Fixture Description: PENDANT LED CONTINUOUS RUN LINEAR DIRECT/INDIRECT LUMINAIRE			Are these fixtures located within a daylight zone?: Yes, controls provided
	Daylight zone location(s): Sidelit daylight zones (primary and/or secondary)			Dimming method: Continuous dimming
	Do these fixtures require specific application lighting controls?: None required			
Other fixture type	PL2	E2.01-E2.02	LED	School/university New
	Fixture Description: PENDANT LINEAR LED STRIPLIGHT 22 GAUGE DIE			Are these fixtures located within a daylight zone?: No
	Do these fixtures require specific application lighting controls?: None required			
Other fixture type	PL3	E2.01-E2.02	LED	School/university New
	Fixture Description: PENDANT LED HIGH BAY EXTRUDED ALUMINUM HOUSING			Are these fixtures located within a daylight zone?: No
	Do these fixtures require specific application lighting controls?: None required			

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Lighting Power Calculation	NEW BUILDING - EXTERIOR LIGHTING	Compliance Verification	COMPLIES
Exterior Lighting Zone	ZONE 2	Base Site Allowance	400

Exterior Tradable Lighting Power Allowance								
Tradable Surface	Tradable Surface Sub-Type	Surface Area (SF)	LPA (Watts/SF)	Linear Feet (LF)	LPA (Watts/LF)	Total Watts Allowed (LPA x SF) or (LPA x LF)	Total Tradable Proposed Watts	Tradable Compliance Status
Building grounds	Landscaping	68,033	0.04			2,721		
Building grounds	Walkways 10 feet and wider	10,950	0.10			1,095		
Building grounds	Special features	15,000	0.10			1,500		
Base Site Allowance						400		
Totals						5,716	3,725	COMPLIES

Proposed Tradable Lighting Power Density							
Fixture Type	Fixture ID	Tradable 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 Fixtures							
Pole top-mounted	LP2	Building grounds - Landscaping	2	150			300
Pole top-mounted	LP1	Building grounds - Landscaping	8	75			600
Wall-mounted	WL2	Building grounds - Walkways 10 feet and wider	17	55			935
Other fixture type	PL4	Building grounds - Special features	63	30			1,890
Tradable Proposed Total							3,725