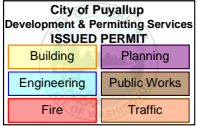



LIGHTING COMPLIANCE SUMMARY

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	Pierce College New STEM Building - 2018 WSEC	For Building Department Use: THE APPROVED CONSTRUCTION PLANS, DOCUMENTS AND ALL ENGINEERING MUST BE POSTED ON THE JOB AT ALL INSPECTIONS IN A VISIBLE AND READILY ACCESSIBLE LOCATION. FULL SIZED LEDGIBLE COLOR PLANS ARE REQUIRED TO BE PROVIDED BY THE PERMITEE ON SITE FOR INSPECTION		Date: Jun 30, 2022
	Project Address	1601 39th Ave SE Puyallup, WA 98374			
	Applicant Name	Sara Wilder			
	Applicant Phone	206-250-8721			
	Applicant Email	swilder@integrusarch.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, College/University	Building Cond. Floor Area	53,997	
General Project Types	New Building	New Building or Addition Lighting Scope	Interior Lighting Parking Garage Lighting Exterior Lighting	Alteration Lighting Scope	Project Cond. Floor Area	53,997
					Floors Above Grade	3
					Compliance Method	Compliance Method 1 - General
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
	New Building	Interior Lighting		Building area	No Calculation Adjustments selected	COMPLIES
	New Building	Exterior Lighting			Not applicable to exterior	COMPLIES
Additional Efficiency Options Included						

Project Title	Pierce College New STEM Building - 2018 WSEC	Date	Jun 30, 2022	
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	46,000	0.70	32,200	25,481	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								
Direct / indirect pendant	L108	School/university	New	1	16			16
Direct / indirect pendant	L103	School/university	New	33	29			941
Direct / indirect pendant	L100-8	School/university	New	57	56			3,192
Direct / indirect pendant	L204	School/university	New	1	54			54
Direct / indirect pendant	L204	School/university	New	3	54			162
Direct / indirect pendant	L108	School/university	New	7	17			119
Direct / indirect pendant	L108	School/university	New	1	21			21
Direct / indirect pendant	L108	School/university	New	1	117			117
Direct / indirect pendant	L103	School/university	New	28	23			638
Direct / indirect pendant	L201A	School/university	New	1	39			39
Direct / indirect pendant	L104-3K	School/university	New	1	190			190
Direct / indirect pendant	L111	School/university	New	2	37			74
Direct / indirect pendant	L106	School/university	New	4	38			152

Direct / indirect pendant	L201	School/university	New	13	24		307
Direct / indirect pendant	L204A	School/university	New	5	54		270
Direct / indirect pendant	L100-4	School/university	New	15	28		420
Direct / indirect pendant	L106	School/university	New	34	38		1,292
Direct / indirect pendant	L201A	School/university	New	4	39		155
Direct / indirect pendant	L103	School/university	New	14	27		378
Direct / indirect pendant	L106	School/university	New	10	38		380
Direct / indirect pendant	L204	School/university	New	8	54		432
Direct / indirect pendant	L201B	School/university	New	2	13		26
Direct / indirect pendant	L102	School/university	New	2	15		30
Direct / indirect pendant	L204A	School/university	New	6	54		324
Direct / indirect pendant	L100-4	School/university	New	17	28		476
Direct / indirect pendant	L100-6	School/university	New	6	42		252
Direct / indirect pendant	L201	School/university	New	27	24		637
Direct / indirect pendant	L201	School/university	New	1	24		24
Direct / indirect pendant	L102	School/university	New	1	212		212
Direct / indirect pendant	L203	School/university	New	12	96		1,152
Direct / indirect pendant	L104-3K	School/university	New	1	87		87
Direct / indirect pendant	L203	School/university	New	17	96		1,632
Direct / indirect pendant	L105	School/university	New	1	350		350
Direct / indirect pendant	L104-3K	School/university	New	10	12		120
Direct / indirect pendant	L100	School/university	New	79	47		3,713
Direct / indirect pendant	L100-8	School/university	New	60	56		3,360
Direct / indirect pendant	L105-6	School/university	New	6	46		274
Direct / indirect pendant	L105	School/university	New	11	57		623
Direct / indirect pendant	L201	School/university	New	22	24		519
Recessed downlight	L200A	School/university	New	6	14		86
Recessed downlight	L200	School/university	New	50	14		715
Recessed downlight	L200	School/university	New	39	14		558
Recessed downlight	L200-3K	School/university	New	6	14		84
Recessed downlight	L200-3K	School/university	New	8	14		114
Recessed downlight	L200	School/university	New	45	14		644
Wall-mounted	L101	School/university	New	1	73		73
Wall-mounted	L101	School/university	New	1	49		49

Project Title	Pierce College New STEM Building - 2018 WSEC	Date	Jun 30, 2022
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Proposed Fixtures Details	NEW BUILDING - INTERIOR LIGHTING
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Fixture Type/Application	Fixture ID	Location in Documents	Lamp Type	Building Area	New or Existing-to-Remain
Individual Fixtures					
Direct / indirect pendant	L108	E121	LED	School/university	New
Fixture Description:				Are these fixtures located within a daylight zone?: No	
Do these fixtures require specific application lighting controls?: None required					
Direct / indirect pendant	L103	E123	LED	School/university	New
Fixture Description:				Are these fixtures located within a daylight zone?: No	
Do these fixtures require specific application lighting controls?: None required					
Direct / indirect pendant	L100-8	E122	LED	School/university	New
Fixture Description:				Are these fixtures located within a daylight zone?: No	
Do these fixtures require specific application lighting controls?: None required					
Direct / indirect pendant	L204	E120	LED	School/university	New
Fixture Description: Surface direct LED				Are these fixtures located within a daylight zone?: No	

	Do these fixtures require specific application lighting controls?: None required				
Direct / indirect pendant	L204	E122	LED	School/university	New
	Fixture Description:			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Direct / indirect pendant	L108	E122	LED	School/university	New
	Fixture Description:			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Direct / indirect pendant	L108	E123	LED	School/university	New
	Fixture Description:			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Direct / indirect pendant	L108	E123	LED	School/university	New
	Fixture Description:			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Direct / indirect pendant	L103	E122	LED	School/university	New
	Fixture Description:			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Direct / indirect pendant	L201A	E121	LED	School/university	New
	Fixture Description: Pendant LED Direct			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Direct / indirect pendant	L104-3K	E121	LED	School/university	New
	Fixture Description: Recessed Linear			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Direct / indirect pendant	L111	E120	LED	School/university	New
	Fixture Description: LINEAR STRIP			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Direct / indirect pendant	L106	E122	LED	School/university	New
	Fixture Description:			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Direct / indirect pendant	L201	E123	LED	School/university	New
	Fixture Description:			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Direct / indirect pendant	L204A	E122	LED	School/university	New
	Fixture Description:			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Direct / indirect pendant	L100-4	E122	LED	School/university	New
	Fixture Description:			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Direct / indirect pendant	L106	E121	LED	School/university	New
	Fixture Description: PENDANT MOUNT			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Direct / indirect pendant	L201A	E122	LED	School/university	New
	Fixture Description:			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Direct / indirect pendant	L103	E121	LED	School/university	New
	Fixture Description:			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Direct / indirect pendant	L106	E123	LED	School/university	New
	Fixture Description:			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Direct / indirect pendant	L204	E121	LED	School/university	New
	Fixture Description:			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Direct / indirect pendant	L201B	E120	LED	School/university	New

	Fixture Description: DOWNLIGTH			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Direct / indirect pendant	L102	E122	LED	School/university	New
	Fixture Description:			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Direct / indirect pendant	L204A	E123	LED	School/university	New
	Fixture Description:			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Direct / indirect pendant	L100-4	E123	LED	School/university	New
	Fixture Description:			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Direct / indirect pendant	L100-6	E122	LED	School/university	New
	Fixture Description:			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Direct / indirect pendant	L201	E121	LED	School/university	New
	Fixture Description: Pendant LED Direct			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Direct / indirect pendant	L201	E120	LED	School/university	New
	Fixture Description: PENDANT			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Direct / indirect pendant	L102	E123	LED	School/university	New
	Fixture Description:			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Direct / indirect pendant	L203	E122	LED	School/university	New
	Fixture Description:			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Direct / indirect pendant	L104-3K	E123	LED	School/university	New
	Fixture Description:			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Direct / indirect pendant	L203	E121	LED	School/university	New
	Fixture Description:			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Direct / indirect pendant	L105	E123	LED	School/university	New
	Fixture Description:			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Direct / indirect pendant	L104-3K	E122	LED	School/university	New
	Fixture Description:			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Direct / indirect pendant	L100	E121	LED	School/university	New
	Fixture Description: Pendant Linear			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Direct / indirect pendant	L100-8	E123	LED	School/university	New
	Fixture Description:			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Direct / indirect pendant	L105-6	E122	LED	School/university	New
	Fixture Description:			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Direct / indirect pendant	L105	E121	LED	School/university	New
	Fixture Description:			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Direct / indirect pendant	L201	E122	LED	School/university	New
	Fixture Description:			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				

Recessed downlight	L200A	E122	LED	School/university	New
Fixture Description:				Are these fixtures located within a daylight zone?: No	
Do these fixtures require specific application lighting controls?: None required					
Recessed downlight	L200	E121	LED	School/university	New
Fixture Description: Recessed Downlight				Are these fixtures located within a daylight zone?: No	
Do these fixtures require specific application lighting controls?: None required					
Recessed downlight	L200	E123	LED	School/university	New
Fixture Description:				Are these fixtures located within a daylight zone?: No	
Do these fixtures require specific application lighting controls?: None required					
Recessed downlight	L200-3K	E122	LED	School/university	New
Fixture Description:				Are these fixtures located within a daylight zone?: No	
Do these fixtures require specific application lighting controls?: None required					
Recessed downlight	L200-3K	E121	LED	School/university	New
Fixture Description: Recessed Downlight				Are these fixtures located within a daylight zone?: No	
Do these fixtures require specific application lighting controls?: None required					
Recessed downlight	L200	E122	LED	School/university	New
Fixture Description:				Are these fixtures located within a daylight zone?: No	
Do these fixtures require specific application lighting controls?: None required					
Wall-mounted	L101	E122	LED	School/university	New
Fixture Description:				Are these fixtures located within a daylight zone?: No	
Do these fixtures require specific application lighting controls?: None required					
Wall-mounted	L101	E120	LED	School/university	New
Fixture Description: Linear LED				Are these fixtures located within a daylight zone?: No	
Do these fixtures require specific application lighting controls?: None required					

Project Title	Pierce College New STEM Building - 2018 WSEC	Date	Jun 30, 2022
Lighting Power Calculation	NEW BUILDING - EXTERIOR LIGHTING	Compliance Verification	COMPLIES
Exterior Lighting Zone	ZONE 4	Base Site Allowance	900

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	Walkways < 10 feet wide			553	0.70	387		
Uncovered parking areas and drives		29,808	0.08			2,385		
Base Site Allowance						900		
Totals						3,672	1,905	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							
Bollards	S2	Building grounds - Walkways < 10 feet wide	10	22			220
Pole top-mounted	S3	Building grounds - Walkways < 10 feet wide	4	50			200
Pole top-mounted	S4A	Uncovered parking areas and drives -	4	135			540
Pole top-mounted	S4	Uncovered parking areas and drives -	7	135			945
Tradable Proposed Total							1905