

# 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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<b>Project &amp; Applicant Information</b>	<b>Project Title</b>	Barnes & Noble - SOUTH HILL MALL - 2021 WSEC		For Building Department Use:  <div style="border: 2px solid orange; padding: 10px; font-size: 24px; font-weight: bold;">PRCTI20250011</div>	<b>Date: Dec 20, 2024</b>
	<b>Project Address</b>	3500 S. MERIDIAN ST. UNIT #800 Puyallup, WA 98373			
	<b>Applicant Name</b>	Kenneth Fuller			
	<b>Applicant Phone</b>	973-784-4258			
	<b>Applicant Email</b>	kfullerpe@msn.com			



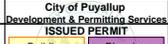
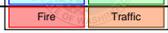
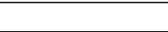
For questions about this report, contact WSEC Commercial Technical Support at 360-539-5300 or via email at com.techsupport@waenergycodes.com

<b>General Occupancy</b>	All Commercial		<b>General Building Use Type</b>	Retail, Enclosed Mall	<b>Building Cond. Floor Area</b>	19,129
<b>General Project Types</b>	Alteration	<b>New Building or Addition Lighting Scope</b>	<b>Alteration Lighting Scope</b>	Interior Lighting	<b>Project Cond. Floor Area</b>	19,129
					<b>Floors Above Grade</b>	1
					<b>Compliance Method</b>	General Prescriptive
<b>Lighting Project Description</b>	Build out of a new Barnes & Noble in the mall. This uses all new lighting and reuses the mechanical equipment.					

<b>Lighting Compliance Scope and Method</b>	<b>Project Type</b>	<b>Interior / Exterior (Interior includes both interior &amp; parking)</b>	<b>Luminaire Replacement Scope</b>	<b>Compliance Method</b>	<b>LPA Calculation Adjustment</b>	<b>Compliance Verification</b>
	Alteration	Interior Lighting	20% or more replaced	Space by space	No Calculation Adjustments allowed	<b>COMPLIES</b>
<b>Additional Energy Efficiency (AEC) Measures Included</b>	No lighting or electrical additional energy efficiency measures included in project		<b>Load Management (LDM) Measures Included</b>		No lighting or electrical load management measures included in project	

<b>Project Title</b>	Barnes & Noble - SOUTH HILL MALL - 2021 WSEC				<b>Date</b>	Dec 20, 2024
<b>Lighting Power Calculation</b>	ALTERATION - INTERIOR LIGHTING (20% or more replaced)				<b>Compliance Verification</b>	<b>COMPLIES</b>
<b>Compliance Method</b>	Space by space		<b>LPA Calculation Adjustment</b>		none	

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 1)	Total Proposed Watts (LPD + Display LPD)	Compliance Status
Audience/seating area	General	2,458	0.23	565		
Corridors	General	77	0.41	32		
Electrical/mechanical		24	0.43	10		
Lobby	General	73	0.84	61		
Lounge/breakroom	General	391	0.59	231		
Lounge/breakroom	General	354	0.59	209		
Lounge/breakroom	General	385	0.59	227		
Office	Enclosed ≤ 250 sf	119	0.74	88		
Restroom	General	294	0.63	185		
Retail	General sales	12,678	1.05	13,312		
Warehouse/storage area	Smaller hand-carried items	216	0.69	149		
Warehouse/storage area	Smaller hand-carried items	2,060	0.69	1,421		
<b>Proposed Total LPD</b>					<b>11,083</b>	
<b>Totals</b>				<b>16,491</b>	<b>11,083</b>	<b>COMPLIES</b>

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)
<b>Individual Fixtures</b>						
 Direct / indirect pendant	PD1	7	60			420
 Troffer	A2	14	32			448
 Troffer	A3	6	46			276
 Recessed downlight	D6	25	32			800
Other fixture type	A1	13	68			884
Other fixture type	HB	37	15			555
Other fixture type	LW-01	350	22			7,700
<b>Proposed Total LPD</b>						<b>11,083</b>

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Proposed Fixtures Details		ALTERATION - INTERIOR LIGHTING (20% or more replaced)			
Fixture Type/Application	Fixture ID	Location in Documents	Lamp Type	New or Existing-to-Remain	
<b>Individual Fixtures</b>					
Direct / indirect pendant	PD1	E-101	LED	New	
	Fixture Description: Pendant			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Troffer	A2	E-101	LED	New	
	Fixture Description: 2x2 Recessed Troffer			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Troffer	A3	E-101	LED	New	
	Fixture Description: 2x4 Recessed Troffer			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Recessed downlight	D6	E-101	LED	New	
	Fixture Description: 6" Recessed Downlight			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Other fixture type	A1	E-101	LED	New	
	Fixture Description: 8' Suspended Fixture			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Other fixture type	HB	E-101	Halogen	New	
	Fixture Description: High Bay			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Other fixture type	LW-01	E-101	LED	New	
	Fixture Description: Track Light			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				