

## LIGHTING COMPLIANCE SUMMARY

2021 WSEC Compliance Forms for Commercial Buildings including Group R2, R3 &amp; 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>PRCTI20250011</div> <div>City of Puyallup Development &amp; Permitting Services ISSUED PERMIT Building Planning Engineering Public Works Fire Traffic</div>	<b>Date:</b> Dec 20, 2024
	<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				

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

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

Project Title	Barnes & Noble - SOUTH HILL MALL - 2021 WSEC				Date	Dec 20, 2024
Lighting Power Calculation		ALTERATION - INTERIOR LIGHTING (20% or more replaced)			Compliance Verification	COMPLIES
Compliance Method			Space by space	LPA Calculation Adjustment		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		
Proposed Total LPD						11,083	
Totals					16,491	11,083	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						
<div>City of Puyallup Development &amp; Permitting Services ISSUED PERMIT</div> <div>BuildingPlanning</div>	Direct / indirect pendant	PD1	7	60		420
	Troffer	A2	14	32		448
<div>EngineeringPublic Works</div>	Troffer	A3	6	46		276
<div>FireTraffic</div>	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
Proposed Total LPD						11,083

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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	
Individual Fixtures							
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						