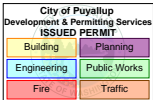


# LIGHTING COMPLIANCE SUMMARY

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	Boot Barn 230665 - 2021 WSEC	For Building Department Use: <div>PRCTI20240669</div> <div>Full-Sized legible color report is required to be provided by the Permittee on site for all Inspections</div>	Date: Apr 08, 2024
	Project Address	South Hill Center Puyallup, WA 98373		
	Applicant Name	Robert L. Queathem		
	Applicant Phone	314-415-2400		
	Applicant Email	rqueathem@arcv.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, Strip Mall	Building Cond. Floor Area	13,238
General Project Types	Alteration	New Building or Addition Lighting Scope		Alteration Lighting Scope	Interior Lighting	Project Cond. Floor Area	13,238
						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
	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	Boot Barn 230665 - 2021 WSEC				Date	Apr 08, 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
Corridors	General	306	0.41	126		
Electrical/mechanical		164	0.43	71		
Electrical/mechanical		105	0.43	45		
Electrical/mechanical		44	0.43	19		
Electrical/mechanical		99	0.43	43		
Office	Enclosed ≤ 250 sf	81	0.74	60		
Restroom	General	148	0.63	93		
Storage room	General	921	0.38	350		
Storage room	General	121	0.38	46		
Retail	General sales	11,050	1.05	11,603		
Retail	Sales display - Furniture/clothing/cosmetics/art	11,050	1.05	11,603	9,856	
Retail	Dressing/fitting room	199	0.51	102		
Retail Display Extra Allowance				500		
Proposed Total LPD					9,566	
Totals				22,912	19,422	COMPLIES

Proposed Lighting Power Density						
Fixture Type	Fixture ID	Quantity of Fixtures (#F)	Watts or Wattage Limit	Total Linear Feet (LF)	Watts per Linear Foot (WpLF)	Total Watts Proposed

			per Fixture (WpF)			(#F x WpF) or (LF x WpLF)
<b>Individual Fixtures</b>						
Decorative	A	4	40			160
Direct / indirect pendant	H	5	60			300
Direct / indirect pendant	EXIST.	2	32			64
Direct / indirect pendant	EXIST.	2	62			124
Direct / indirect pendant	F4	2	54			108
Direct / indirect pendant	F8	4	104			416
Troffer	F1	6	37			222
Troffer	F2	1	36			36
Recessed downlight	E1	8	16			128
Wall-mounted	D2	8	26			208
<b>Linear Fixtures</b>						
Line voltage track (120V)	C1 (EGR)	1	7,800			7,800
<b>Proposed Total LPD</b>						<b>9,566</b>

Proposed Additional Allowance Lighting (Display/Highlight/Ornamental)							
Fixture Type	Fixture ID	General and Specific Space 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)
<b>Linear Fixtures</b>							
Line voltage track (120V)	C1 (DISP)	Retail - Sales display - Furniture/clothing/cosmetics/art	1	6,000			6,000
Line voltage track (120V)	G	Retail - Sales display - Furniture/clothing/cosmetics/art	1	3,600			3,600
<b>Linear Fixtures per LF</b>							
Line voltage track (120V)	G	Retail - Sales display - Furniture/clothing/cosmetics/art			16	16	256

Project Title	Boot Barn 230665 - 2021 WSEC					Date	Apr 08, 2024
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							
Decorative	A	E10		LED		New	
	Fixture Description:				Are these fixtures located within a daylight zone?: No		
	Do these fixtures require specific application lighting controls?: General display/accent lighting, occupancy or time switch						
Direct / indirect pendant	H	E10		LED		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	EXIST.	E10		T-8 Fluorescent		Existing	
	Fixture Description: 4' Linear				Are these fixtures located within a daylight zone?: No		
	Do these fixtures require specific application lighting controls?: None required						
Direct / indirect pendant	EXIST.	E10		T-8 Fluorescent		Existing	
	Fixture Description: 4' Linear				Are these fixtures located within a daylight zone?: No		
	Do these fixtures require specific application lighting controls?: None required						
Direct / indirect pendant	F4	E20		T-8 Fluorescent		New	
	Fixture Description: 4' Fluorescent Strip				Are these fixtures located within a daylight zone?:		
	Do these fixtures require specific application lighting controls?:						
Direct / indirect pendant	F8	E20		T-8 Fluorescent		New	
	Fixture Description: 8' Fluorescent Strip				Are these fixtures located within a daylight zone?:		
	Do these fixtures require specific application lighting controls?:						
Troffer	F1	E10		LED		New	
	Fixture Description:				Are these fixtures located within a daylight zone?: No		

	Do these fixtures require specific application lighting controls?: None required				
Troffer	F2	E10	LED		New
	Fixture Description:			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Recessed downlight	E1	E10	LED		New
	Fixture Description:			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
Wall-mounted	D2	E10	LED		New
	Fixture Description:			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: None required				
<b>Linear Fixtures</b>					
Line voltage track (120V)	C1 (EGR)	E10	LED		New
	How is linear fixture quantity defined?: Quantity of fixtures with current limiting device			Length of track (LT):	
	Fixture Description:			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: Exit access & egress lighting per IBC Section 1006.1				