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## 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	THE TALMON - 2018 WSEC	For Building Department Use:	Date: Oct 31, 2024
	Project Address	306 CENTER STREET La Conner, WA 98257		
	Applicant Name	Randy Steele		
	Applicant Phone	360-510-4968		
	Applicant Email	hrsteele1969@gmail.com		

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

General Occupancy	All Group R - R2, R3 & R4 over 3 stories and all R1		General Building Use Type		Lodging/Residential, Hotel/Motel Multifamily/Residential, Mixed Use	Building Cond. Floor Area	21,264
General Project Types	New Building		New Building or Addition Lighting Scope	Interior Lighting Exterior Lighting	Alteration Lighting Scope	Project Cond. Floor Area	21,264
Lighting Project Description			Lighting for a 3 story building with 6 Air B&B Hotel Units on the 1st floor and 14 Apartments on the 2nd & 3rd Floors.			Floors Above Grade	3

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				
		New Building				

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Lighting Power Calculation	NEW BUILDING - INTERIOR LIGHTING			Compliance Verification	COMPLIES	
Compliance Method	Building area		LPA Calculation Adjustment			LPA x 0.9

Interior Lighting Power Allowance - Building Area					
Building Areas	Gross Interior Area (SF)	LPA (Watts/SF)	Total Watts Allowed (SF x LPA x 0.9)	Total Proposed Watts By Building Area	Compliance Status by Building Area
Hotel	2,241	0.56	1,130	646	COMPLIES
Multifamily	17,402	0.41	6,422	6,339	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 Foot (LF)	Watts per Linear Foot (WpLF)	Total Watts Proposed (#F x WpF) or (LF x WpLF)
Individual Fixtures								
Horizontal surface-mount	U1	Hotel	New	15	20			300
Horizontal surface-mount	U2	Hotel	New	9	26			234
Horizontal surface-mount	U1	Multifamily	New	148	15			2,220
Horizontal surface-mount	U2	Multifamily	New	37	26			962
Horizontal surface-mount	E1	Multifamily	New	12	3			36
Horizontal surface-mount	L1	Multifamily	New	63	15			945
Horizontal surface-mount	L2	Multifamily	New	6	27			162
Horizontal surface-mount	L3	Multifamily	New	2	24			48
Horizontal surface-mount	L4	Multifamily	New	14	22			308
Horizontal surface-mount	L4E	Multifamily	New	1	26			26
Indirect pendant	U5	Multifamily	New	26	15			390

Indirect pendant	L7	Multifamily	New	1	12			12
Wall-mounted	U3	Hotel	New	4	28			112
Wall-mounted	U3	Multifamily	New	12	28			336
Wall-mounted	U4	Multifamily	New	24	23			552
Wall-mounted	E2	Multifamily	New	4	3			12
Wall-mounted	E3	Multifamily	New	30	8			240
Wall-mounted	L6	Multifamily	New	5	18			90

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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								
Horizontal surface-mount	U1	E1.0		LED	Hotel	New		
	Fixture Description: LED DISK				Are these fixtures located within a daylight zone?: No			
	Do these fixtures require specific application lighting controls?: None required							
Horizontal surface-mount	U2	E1.0		LED	Hotel	New		
	Fixture Description: LED DISK SURFACE				Are these fixtures located within a daylight zone?: No			
	Do these fixtures require specific application lighting controls?: None required							
Horizontal surface-mount	U1	E1.0		LED	Multifamily	New		
	Fixture Description: LED DISK SURFACE				Are these fixtures located within a daylight zone?: No			
	Do these fixtures require specific application lighting controls?: None required							
Horizontal surface-mount	U2	E1.0		LED	Multifamily	New		
	Fixture Description: LED DISK SURFACE				Are these fixtures located within a daylight zone?: No			
	Do these fixtures require specific application lighting controls?: None required							
Horizontal surface-mount	E1	E1.0		LED	Multifamily	New		
	Fixture Description: EXIT LIGHT				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							
Horizontal surface-mount	L1	E1.0		LED	Multifamily	New		
	Fixture Description: LED DISK				Are these fixtures located within a daylight zone?: No			
	Do these fixtures require specific application lighting controls?: Supplemental task lighting, occupancy controls							
Horizontal surface-mount	L2	E1.0		LED	Multifamily	New		
	Fixture Description: 4 FT LED WRAP				Are these fixtures located within a daylight zone?: No			
	Do these fixtures require specific application lighting controls?: Supplemental task lighting, occupancy controls							
Horizontal surface-mount	L3	E1.0		LED	Multifamily	New		
	Fixture Description: 4FT LED VAPOR				Are these fixtures located within a daylight zone?: No			
	Do these fixtures require specific application lighting controls?: Supplemental task lighting, occupancy controls							
Horizontal surface-mount	L4	E1.0		LED	Multifamily	New		
	Fixture Description: 4FT LED CANOPY				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							
Horizontal surface-mount	L4E	E1.0		LED	Multifamily	New		
	Fixture Description: 4FT LED CANOPY W/BATT				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							
Indirect pendant	U5	E1.0		LED	Multifamily	New		
	Fixture Description: MINI PENDANT				Are these fixtures located within a daylight zone?: No			
	Do these fixtures require specific application lighting controls?: None required							
Indirect pendant	L7	E1.0		LED	Multifamily	New		
	Fixture Description: DECORATIVE PENDANT				Are these fixtures located within a daylight zone?: No			
	Do these fixtures require specific application lighting controls?: Supplemental task lighting, occupancy controls							
Wall-mounted	U3	E1.0		LED	Hotel	New		
	Fixture Description: LED VANITY				Are these fixtures located within a daylight zone?: No			
	Do these fixtures require specific application lighting controls?: None required							

Wall-mounted	U3	E1.0	LED	Multifamily	New
	Fixture Description: LED VANITY				
	Do these fixtures require specific application lighting controls?: None required				
Wall-mounted	U4	E1.0	LED	Multifamily	New
	Fixture Description: LED VANITY SMALL				
	Do these fixtures require specific application lighting controls?: None required				
Wall-mounted	E2	E1.0	LED	Multifamily	New
	Fixture Description: EXIT/EM COMBO				
	Do these fixtures require specific application lighting controls?: Exit access & egress lighting per IBC Section 1006.1				
Wall-mounted	E3	E1.0	LED	Multifamily	New
	Fixture Description: EMERGENCY LIGHT				
	Do these fixtures require specific application lighting controls?: Exit access & egress lighting per IBC Section 1006.1				
Wall-mounted	L6	E1.0	LED	Multifamily	New
	Fixture Description: LED WALL PACK				
	Do these fixtures require specific application lighting controls?: Exit access & egress lighting per IBC Section 1006.1				

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Lighting Power Calculation	NEW BUILDING - EXTERIOR LIGHTING	Compliance Verification	COMPLIES
Exterior Lighting Zone	ZONE 3	Base Site Allowance	500

Exterior Tradable Lighting Power Allowance								
Exterior Surface	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 Proposed Watts	Compliance Status
Building entrances and exits	Pedestrian entrances & exits			300	21	6,300		
					Base Site Allowance	500		
					Totals	6,800	108	COMPLIES

Proposed Tradable Lighting Power Density								
Fixture Type	Fixture ID	Exterior 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								
Wall-mounted	L6	Building entrances and exits - Pedestrian entrances & exits	6	18			108	Proposed Total LPD