

# 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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<b>Project &amp; Applicant Information</b>	<b>Project Title</b>	Kendall Subaru - 2018 WSEC	For Building Department Use:	<b>Date: Aug 09, 2022</b>
	<b>Project Address</b>	xxx Smokey Point BLVD Marysville, WA 98223		
	<b>Applicant Name</b>	PAUL DOUGLAS		
	<b>Applicant Phone</b>	425-252-2153		
	<b>Applicant Email</b>	paul@2812architecture.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, Automobile Dealership	<b>Building Cond. Floor Area</b>	71,896
<b>General Project Types</b>	New Building	<b>New Building or Addition Lighting Scope</b>	Interior Lighting	<b>Alteration Lighting Scope</b>		<b>Project Cond. Floor Area</b>	0
						<b>Floors Above Grade</b>	2
						<b>Compliance Method</b>	Compliance Method 2 - Total Building Performance
<b>Lighting Project Description</b>							

<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>
	New Building	Interior Lighting				
<b>Additional Efficiency Options Included</b>						

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<b>Lighting Power Calculation</b>	NEW BUILDING - INTERIOR LIGHTING	<b>Compliance Verification</b>	COMPLIES
<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	Ceiling Height (Ft)	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		230	0.41	94		
Dining area	Cafeteria/fast food		457	0.40	183		
Laundry/washing area			1,166	0.53	618		
Office	Enclosed > 250 sf		2,118	0.66	1,398		
Office	Enclosed > 250 sf		14,722	0.66	9,717		
Storage room	50-100 sf		612	0.38	233		
Vehicle maintenance			43,063	0.60	25,838		
Warehouse/storage area	Medium to bulky palletized items		6,794	0.33	2,242		
<b>Proposed Total LPD</b>						19571	
<b>Totals</b>					40,322	19,571	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)
<b>Individual Fixtures</b>								
Troffer	2 x 4 LED Ready Troffer - 2 Lamp			72	15			1,080
Troffer	PLT-20259			6	15			90
Troffer	led 2x2 dimmable LEDLFPN1000050903			73	21			1,533

Troffer	2 x 4 LED Ready Troffer - 2 Lamp	14	15		210
Troffer	LC 2X2 4000LM 40K	29	64		1,856
Troffer	LC 2X2 4000LM 40K	5	64		320
Troffer	led 2x2 dimmable LEDLFPN1000050903	10	15		150
Recessed downlight	Euri Lighting DLC6C-18W103swej	27	10		270
Recessed downlight	CDL10D-SW3B-SP33W10"	161	22		3,542
Suspended	LSRD-xK4-40-2PK	14	80		1,120
Suspended	UFO-300W-UV-50K-BZ	136	300		
Suspended	UFO-300W-UV-50K-BZ	2	300		600
Suspended	8ft LED Strip Light Retrofit Kit - 80W - 10,400 Lumens - Two 4ft Fixtures - 4000K / 5000K	5	80		400
Other fixture type	THD 400S A15 TB LPI	4	400		1,600
<b>Linear Fixtures</b>					
LED strip	LSRD-xK4-40-2PK	85	80		6,800
<b>Proposed Total LPD</b>					<b>19571</b>

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<b>Proposed Fixtures Details</b>	<b>NEW BUILDING - INTERIOR LIGHTING</b>
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Fixture Type/Application	Fixture ID	Location in Documents	Lamp Type	New or Existing-to-Remain
<b>Individual Fixtures</b>				
Troffer	2 x 4 LED Ready Troffer - 2 Lamp	A2.5 room 131	T-8 Fluorescent	New
	Fixture Description: 811768027297 PLT solutions			Are these fixtures located within a daylight zone?: No
	Do these fixtures require specific application lighting controls?: None required			
Troffer	PLT-20259	134	LED	New
	Fixture Description: plt sOLUTIONS Wire T8 LED Lamps - 120-277 Volt - PLT-20259			Are these fixtures located within a daylight zone?: No
	Do these fixtures require specific application lighting controls?: None required			
Troffer	led 2x2 dimmable LEDLFPN1000050903	A2.5, A2.4 rooms. 106-118, 138,137,	LED	New
	Fixture Description: LEDLFPN1000050903			Are these fixtures located within a daylight zone?:
	Do these fixtures require specific application lighting controls?: None required			
Troffer	2 x 4 LED Ready Troffer - 2 Lamp	203,	T-8 Fluorescent	New
	Fixture Description: PLT-20259			Are these fixtures located within a daylight zone?: No
	Do these fixtures require specific application lighting controls?: None required			
Troffer	LC 2X2 4000LM 40K	207	LED	New
	Fixture Description: ft. x 2 ft. 64-Watt Equivalent White Integrated LED 4000 Lumens 4000K			Are these fixtures located within a daylight zone?: No
	Do these fixtures require specific application lighting controls?: None required			
Troffer	LC 2X2 4000LM 40K	152	LED	New
	Fixture Description: LC 2X2 4000LM 40K			Are these fixtures located within a daylight zone?: No
	Do these fixtures require specific application lighting controls?: None required			
Troffer	led 2x2 dimmable LEDLFPN1000050903	205, 206	LED	New
	Fixture Description: LEDLFPN1000050903			Are these fixtures located within a daylight zone?: No
	Do these fixtures require specific application lighting controls?: None required			
Recessed downlight	Euri Lighting DLC6C-18W103swej	114, 116, 133, 136	LED	New
	Fixture Description: 3 Wattages - 3 Lumen Outputs - 3 Colors - Natural Light - 6 in. Selectable LED Downlight			Are these fixtures located within a daylight zone?: No
	Do these fixtures require specific application lighting controls?: None required			
Recessed downlight	CDL10D-SW3B-SP33W10"	A2.5, A2.4 rooms 130, 100,	LED	New
	Fixture Description: LED Commercial Recessed Downlight - Selectable CCT - Selectable Wattage - Dimmable - 2200-3300 Lumen			Are these fixtures located within a daylight zone?: No
	Do these fixtures require specific application lighting controls?: None required			
Suspended	LSRD-xK4-40-2PK	A2.5 room 208A, 141, 140	LED	New
	Fixture Description: 8ft LED Strip Light Retrofit Kit - 80W			Are these fixtures located within a daylight zone?: No
	Do these fixtures require specific application lighting controls?: None required			
Suspended	UFO-300W-UV-50K-BZ	A2.4 & 5, ROOM 143, 129, 144, 148	LED	New

	Fixture Description: GLD 39,000 LUMENS -UFO LED HIGH BAY-300 WATTS-5000K -120-277V			Are these fixtures located within a daylight zone?: No
	Do these fixtures require specific application lighting controls?:			
Suspended	UFO-300W-UV-50K-BZ	A2.4, room 142	LED	New
	Fixture Description: GLD 39,000 LUMENS -UFO LED HIGH BAY-300 WATTS-5000K -120-277V			Are these fixtures located within a daylight zone?: No
	Do these fixtures require specific application lighting controls?:			
Suspended	8ft LED Strip Light Retrofit Kit - 80W - 10,400 Lumens - Two 4ft Fixtures - 4000K / 5000K	151	LED	New
	Fixture Description: ft LED Strip Light Retrofit Kit - 80W - 10,400 Lumens - Two 4ft Fixtures - 4000K / 5000K			Are these fixtures located within a daylight zone?: No
	Do these fixtures require specific application lighting controls?: None required			
Other fixture type	THD 400S A15 TB LPI	A2.4 & 5, ROOM 147 & 146,	T-5 Fluorescent	New
	Fixture Description: High Bay, 400 W Zoro #: G1681732			Are these fixtures located within a daylight zone?: No
	Do these fixtures require specific application lighting controls?: None required			
<b>Linear Fixtures</b>				
LED strip	LSRD-xK4-40-2PK	A2.4 & 5, ROOM 143,	LED	New
	How is linear fixture quantity defined?: Quantity of fixtures with current limiting device			Length of track (LT):
	Fixture Description: 8ft LED Strip Light Retrofit Kit - 80W - 10,400 Lumens - Two 4ft Fixtures - 4000K / 5000K			Are these fixtures located within a daylight zone?: No
	Do these fixtures require specific application lighting controls?: None required			