

# Interior Lighting - Space-By-Space Method

# LTG-INT-SPACE

2015 Washington State Energy Code Compliance Forms for Commercial Buildings including R2, R3, R4 over 3 stories and all R1

Revised August 2016

<b>Project Title:</b> 1 - Safeway Kingston		<b>Date:</b> 7/27/2020
<b>Calculation Area</b> <sup>NOTE 9</sup>	<input type="radio"/> Addition - stand alone <input type="radio"/> Addition + existing <input checked="" type="radio"/> Spaces where < 50% of luminaires are replaced <input type="radio"/> Spaces where ≥ 50% of luminaires are replaced	For Building Department Use
<b>LPA Calculation Type</b>	<input checked="" type="radio"/> Standard <input type="radio"/> Additional Efficiency Package Option C406.3 Reduced Interior Lighting To comply with C406.3, the Proposed LPD shall be 25% lower than the Target LPA. Refer to C406.3 for additional requirements.	

## Maximum Allowed Lighting Wattage <sup>NOTE 1</sup>

Location (plan #, room #)	Space Type	Ceiling Height <sup>NOTE 2</sup>	Gross Interior Area in ft <sup>2</sup>	Allowed Watts per ft <sup>2</sup>	Watts Allowed (watts/ft <sup>2</sup> x area)
ALL	Restroom: all other	28	300	0.905	
ALL	Sales area	28	8529	1.473	

Total Area **8829**

Retail Display Allowance from LTG-INT-DISPLAY

Enter Total Existing Lighting Watts (prior to Alteration)

Lobby Art/Exhibit Display Allowance from LTG-INT-DISPLAY <sup>NOTE 8</sup>

Allowed Watts

3000

3000

## Proposed Lighting Wattage <sup>NOTE 3</sup>

Location (plan #, room #)	Fixture Description <sup>NOTE 4, 5, 6</sup>	Number of Fixtures	Watts/Fixture <sup>NOTE 7</sup>	Watts Proposed
E1.1	BLWP4 60L	4	49	196
E1.1	ZLIN	40	34	1360
E1.1	SB LIGHTING	1	390	390

Proposed Retail Display Lighting from LTG-INT-DISPLAY

Total Proposed Watts may not exceed Total Allowed Watts for Interior Lighting

Total Proposed Watts

1946

## Interior Lighting Power Allowance

**COMPLIES**

Note 1 - List all unique space types per Table C405.4.2(2) that occur in the project scope. Select space type category per from drop down menu.

Note 2 - Indicate ceiling height for atriums and spaces utilizing the ceiling height adjustment per Table C405.4.2(2), Footnotes d thru f.

Note 3 - List all proposed lighting fixtures including exempt lighting equipment and existing-to-remain fixtures.

Note 4 - For proposed Fixture Description, indicate fixture type, lamp type (e.g. T-8), number of lamps in the fixture, and ballast type (if included). For

track lighting, list the length of the track (in feet) in addition to the fixture, lamp, and ballast information.

Note 5 - For lighting equipment eligible for exemption per C405.4.1, note exception number and leave Watts/Fixture blank.

Note 6 - Existing-to-remain fixtures shall be included in the Proposed Lighting Wattage table in the same manner as new fixtures. Identify as existing in fixture description.

Note 7 - For proposed Watts/Fixture enter the luminaire wattage for installed lamp and ballast using manufacturer or other approved source. For luminaires with screw-in lamps, enter the manufacturer's listed maximum input wattage of the fixture (not the lamp wattage). For low voltage

lighting, enter the wattage of the transformer. For line voltage track/busway systems, enter the larger of the attached luminaire wattage or 50

watts/lineal foot, or enter the wattage limit of permanent current limiting device.

Note 8 - Lobby Art/Exhibit Display Allowance is independent of the Maximum Allowed Lighting Wattage.

Note 9 - Calculation Area Details:

a. Lighting fixtures in a building addition may comply as a stand alone project, or they may be combined with the overall existing building lighting systems to demonstrate compliance. Refer to C502.1.

Permit Number: 20-03507