

Table 9.5.1 Lighting Power Density Allowances Using the Building Area Method

<i>Building Area Type^a</i>	<i>LPD, W/ft²</i>
Automotive facility	0.71
Convention center	0.76
Courthouse	0.90
Dining: Bar lounge/leisure	0.90
Dining: Cafeteria/fast food	0.79
Dining: Family	0.78
Dormitory	0.61
Exercise center	0.65
Fire station	0.53
Gymnasium	0.68
Health-care clinic	0.82
Hospital	1.05
Hotel/motel	0.75
Library	0.78
Manufacturing facility	0.90
Motion picture theater	0.83
Multifamily	0.68
Museum	1.06
Office	0.79
Parking garage	0.15
Penitentiary	0.75
Performing arts theater	1.18
Police station	0.80
Post office	0.67
Religious facility	0.94
Retail	1.06
School/university	0.81
Sports arena	0.87
Town hall	0.80
Transportation	0.61
Warehouse	0.48
Workshop	0.90

a. In cases where both a general *building area type* and a specific *building area type* are listed, the specific *building area type* shall apply.

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Project Name:		
Project Address:		Date:
Designer of Record:	Email:	Telephone:
Contact Person:	Email:	Telephone:
City:		Exterior Lighting Zone:

Mandatory Provisions Checklist

- Lighting Control (Section 9.4.1)
 - Interior Lighting Controls (Section 9.4.1.1)—See worksheet.
 - Controls for parking garages (Section 9.4.1.2).
 - Automatic lighting shutoff per Section 9.4.1.1(i).
 - Occupancy-based automatic lighting power reduction.
 - Separately controlled transition areas.
 - Perimeter daylight responsive control as required.
 - Separate lighting controls independent of general lighting (Section 9.4.1.3).
 - Display/accent, display cases, nonvisual lighting, and demonstration lighting applications.
 - Guestroom lighting and receptacle automatic OFF. Separate bathroom automatic OFF.
 - Task lighting, undershelf, and undercabinet lighting has an integral or wall-mounted control device.
 - Exterior lighting controls including automatic shutoff and bilevel as required (Section 9.4.1.4).
 - Daylight responsive shutoff.
 - Automatic façade and landscape lighting shutoff.
 - Automatic lighting power reduction for lighting other than façade and landscape lighting.
- Exterior lighting power (Section 9.4.2)—See worksheet.
- Functional controls testing completed (Section 9.4.3).

Interior Lighting Controls (Section 9.4.1.1)

Space ID	Building Type/Space Type (Table 9.6.1)	Control Function								
		Local Control—Section 9.4.1.1(a)	Restricted to Manual ON—Section 9.4.1.1(b)	Restricted to Partial Automatic ON—Section 9.4.1.1(c)	Bilevel Lighting Control—Section 9.4.1.1(d)	Automatic Daylight Responsive Controls for Sidelighting—Section 9.4.1.1(e)	Automatic Daylight Responsive Controls for Toplighting—Section 9.4.1.1(f)	Automatic Partial OFF (Full OFF complies)—Section 9.4.1.1(g)	Automatic Full OFF—Section 9.4.1.1(h)	Scheduled Shutoff—Section 9.4.1.1(i)
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Project Name:		
Contact Person:	Email:	Telephone:

Interior Lighting Power Allowance (Building Area Method—Section 9.5.1)

Building ID	Building Area Type (Table 9.5.1)	Lighting Power Density (W/ft ² or W/m ²)	Building Area (ft ² or m ²)	Lighting Power Allowance (W)
Total				

Interior Lighting Power Allowance (Space-by-Space Method—Section 9.6.1)

Space ID	Building Type/Space Type (Table 9.6.1)	Lighting Power Density (W/ft ² or W/m ²)	Room Cavity Ratio	Space Area (ft ² or m ²)	Lighting Power Allowance (W)
Subtotal					
Controls Allowance (Section 9.6.3)					
Total					

Interior Connected Lighting Power

ID	Luminaire Description (including number of lamps per fixture, watts per lamp, type of ballast, type of fixture)	Type						Number of Luminaires	Watts/Luminaire	Total Watts
		Incandescent	LED	Fluorescent	HID	Line-Voltage Track	Low-Voltage Track			
		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>			
		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>			
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Total										

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Project Name:		
Contact Person:	Email:	Telephone:

Additional Interior Lighting Power Allowance (Section 9.6.2)—Decorative, Display, and Retail

Space ID	Space Name	Type					Area (ft ² or m ²)	Unit Allowance (W/ft ² or W/m ²)	Allowance (W)	Luminaire IDs	Installed Power (W)
		Decorative	Display Lighting	Retail Area 1	Retail Area 2	Retail Area 3					
		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>					
		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>					
		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>					
		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>					
		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>					
		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>					
Total											

Additional Interior Lighting Power Allowance (9.6.3) —Control Credits

Space ID	Space Name	Control Type (Table 9.6.2)	Control Factor (Table 9.6.2)	Installed Watts (W)	Additional Allowance (W)
Total					

Additional Interior Connected Lighting Power

Space ID	Luminaire ID	Luminaire Description (including number of lamps per fixture, watts per lamp, type of ballast, type of fixture)	Type							Number of Luminaires	Watts/Luminaire	Total Watts
			Incandescent	LED	Fluorescent	HID	Line-Voltage Track	Low-Voltage Track	Other			
			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>			
			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>			
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Total												

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Exterior Building Lighting Power Allowance (Tradable Lighting Applications)

Application	Allowance	Area or Length (ft ² or ft or m ² or m)	Tradable Power Allowance
Tradable Power Allowance			

Exterior Building Lighting Power Allowance (Nontradable Lighting Applications)

ID	Application	Allowance per Unit	Area or Length or Quantity	Nontradable Power Allowance
Nontradable Power Allowance				

Exterior Connected Lighting Power (Tradable Applications)

ID	Luminaire Description (including number of lamps per fixture, watts per lamp, type of ballast, type of fixture)	Number of Luminaires	Watts/ Luminaire	Total Watts
Total				

Exterior Connected Lighting Power (Nontradable Applications)

ID	Nontradable Application	Luminaire Description (including number of lamps per fixture, watts per lamp, type of ballast, type of fixture)	Number of Luminaires	Watts/ Luminaire	Total Watts
Total					

Exterior Lighting Compliance Test

Tradable Power Allowance (Watts)		+	Base Site Allowance		≥	Tradable Connected Lighting Power (Watts)	
<input style="width: 100%;" type="text"/>			<input style="width: 100%;" type="text"/>			<input style="width: 100%;" type="text"/>	
Nontradable Application	Nontradable Power Allowance (Watts)	+			≥	Nontradable Connected Lighting Power (Watts)	
	<input style="width: 100%;" type="text"/>					<input style="width: 100%;" type="text"/>	
	<input style="width: 100%;" type="text"/>	+			≥	<input style="width: 100%;" type="text"/>	
			Allocated Base Site Allowance		≤	Unallocated Base Site Allowance	
			<input style="width: 100%;" type="text"/>			<input style="width: 100%;" type="text"/>	