



# BUILDING AREA METHOD LIGHTING CALCULATIONS

BUILDING TYPE	ASHRAE Allowable lighting power density (W/SF)	Space area (sq ft)	ASHRAE Allowable lighting power (W)	Fixture Type	Quantity	Fixture Power (W)	Installed fixture power (W)	Installed power for this space (W)
HOTEL	1.0							
		4,000.0		Recessed Can Lights	5.0	28.0	140.0	
		1,200.0		Desk Lamp	6.0	28.0	168.0	
		1,100.0		Overhead T5	55.0	45.0	2,475.0	
		600.0		Some cool light fixture	7.0	14.0	98.0	
				Desk Lamp	8.0	28.0	224.0	
				wall mounted torchieres	6.0	86.0	516.0	
				CU-1	4.0	45.0	180.0	
				CU-2	4.0	45.0	180.0	
				CO	15.0	47.0	705.0	
total	1.0	6,900.0	6,900.0				4,686.0	4,686.0
RETAIL	1.5	400.0		CR	12.0	45.0	540.0	
				CF	3.0	28.0		
total	1.5	400.0	600.0				540.0	540.0
GRAND TOTAL		8,300.0	7,500.0					5,226.0

Reduction In Lighting Power As Compared To Ashrae 90.1 2007 Allowance (Watts) 2274.00  
Percentage Reduction In Lighting Power As Compared To Ashrae 90.1 2007 Allowance 30.32%

% Required	Point Achieved?
15%	1
20%	1
25%	1
30%	1
35%	0
40%	0
TOTAL LEED CI EA 1.1 points achieved	4