

Lighting Power Densities Using the Building Area Method		Percent Energy Savings Beyond Requirements of ASHRAE 90.1- 2001			
Based on Table 9.3.1.1	LPD	25%	30%	35%	>=40%
Building Area Type	(W/ft <sup>2</sup> )	\$0.30 Deduction	\$0.40 Deduction	\$0.50 Deduction	\$0.60 Deduction
Automotive Facility	1.50	1.13	1.05	0.98	0.90
Convention Center	1.40	1.05	0.98	0.91	0.84
Court House	1.40	1.05	0.98	0.91	0.84
Dining: Bar Lounge/Leisure	1.50	1.13	1.05	0.98	0.90
Dining: Cafeteria/Fast Food	1.80	1.35	1.26	1.17	1.08
Dining: Family	1.90	1.43	1.33	1.24	1.14
Dormitory	1.50	1.13	1.05	0.98	0.90
Exercise Center	1.40	1.05	0.98	0.91	0.84
Gymnasium	1.70	1.28	1.19	1.11	1.02
Hospital/Healthcare	1.60	1.20	1.12	1.04	0.96
Hotel	1.70	1.28	1.19	1.11	1.02
Library	1.50	1.13	1.05	0.98	0.90
Manufacturing Facility	2.20	1.65	1.54	1.43	1.32
Motel	2.00	1.50	1.40	1.30	1.20
Motion Picture Theatre	1.60	1.20	1.12	1.04	0.96
Multi-Family	1.00	0.75	0.70	0.65	0.60
Museum	1.60	1.20	1.12	1.04	0.96
Office	1.30	0.98	0.91	0.85	0.78
Parking Garage	0.30	0.23	0.21	0.20	0.18
Penitentiary	1.20	0.90	0.84	0.78	0.72
Performing Arts Theatre	1.50	1.13	1.05	0.98	0.90
Police/Fire Station	1.30	0.98	0.91	0.85	0.78
Post Office	1.60	1.20	1.12	1.04	0.96
Religious Building	2.20	1.65	1.54	1.43	1.32
Retail	1.90	1.43	1.33	1.24	1.14
School/University	1.50	1.13	1.05	0.98	0.90
Sports Arena	1.50	1.13	1.05	0.98	0.90
Town Hall	1.4	1.05	0.98	0.91	0.84
Transportation	1.2	0.9	0.84	0.78	0.72
Warehouse	1.2	Note: Warehouses <i>must</i> meet 50% energy savings			0.6
Workshop	1.7	1.275	1.19	1.105	1.02

Please note that this information is subject to change. Rules regarding these tax code changes are currently being formulated by the appropriate agencies.

© New Buildings Institute 2006

Prepared by Shaun Patrick Darragh LC — Ripman Lighting Consultants  
Reprinting permission granted with appropriate reference credit