

| Area Category Method - Lighting Power Density (Watts/sf) |            |            |           |           |      |
|----------------------------------------------------------|------------|------------|-----------|-----------|------|
| Standards Vintage                                        |            |            |           |           |      |
| Function Areas:                                          | 2001       | 2005       | 2008      | 2013      | 2016 |
| Auditorium                                               | 2.00       | 1.50       | 1.50      | 1.50      | 1.40 |
| Classroom, Lecture                                       | 1.60       | 1.20       | 1.20      | 1.20      | 1.20 |
| Commercial Storage                                       | 0.60       | 0.60       | 0.60      | 0.60      | 0.60 |
| Corridors, Restrooms, Support                            | 0.60       | 0.60       | 0.60      | 0.60      | 0.60 |
| Convention, Conference                                   | 1.50       | 1.40       | 1.40      | 1.40      | 1.20 |
| Dining                                                   | 1.10       | 1.10       | 1.10      | 1.10      | 1.00 |
| Exercise, Gym                                            | 1.00       | 1.00       | 1.00      | 1.00      | 1.00 |
| Exhibit, Museum                                          | 2.00       | 2.00       | 2.00      | 2.00      | 1.80 |
| General Commercial High Bay                              | 1.20       | 1.10       | 1.00      | 1.00      | 1.00 |
| General Commercial Low Bay                               | 1.00       | 1.00       | 0.90      | 0.90      | 0.90 |
| General Commercial, Precision                            | 1.50       | 1.30       | 1.20      | 1.20      | 1.20 |
| Grocery                                                  | 1.60       | 1.60       | 1.60      | 1.20      | 1.20 |
| Hotel                                                    | 2.20       | 1.50       | 1.50      | 1.50      | 1.40 |
| Library Reading Areas                                    | 1.20       | 1.20       | 1.20      | 1.20      | 1.10 |
| Library Stacks                                           | 1.50       | 1.50       | 1.50      | 1.50      | 1.50 |
| Lounge                                                   | 1.10       | 1.10       | 1.10      | 1.10      | 0.90 |
| Malls                                                    | 1.20       | 1.20       | 1.20      | 1.20      | 0.95 |
| Medical and Clinic                                       | 1.40       | 1.20       | 1.20      | 1.20      | 1.20 |
| Office                                                   | 1.30       | 1.20       | 0.95      | 0.88      | 0.88 |
| Religious Worship                                        | 2.10       | 1.50       | 1.50      | 1.50      | 1.50 |
| Retail                                                   | 2.00       | 1.70       | 1.60      | 1.20      | 1.20 |
| Theater Area                                             | 0.90       | 0.90       | 0.90      | 0.90      | 0.90 |
| <b>Average 2016 Savings Over Vintage</b>                 | <b>20%</b> | <b>10%</b> | <b>8%</b> | <b>5%</b> |      |

California Energy Commission

**DOCKETED**

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