

**Lighting Tables for New Equipment**  
1/1/2017

**T8 and SUPER T8 Fluorescent Lamps and Fixtures with Electronic Ballasts - REBATES are 50% of fixture/lamp cost, up to maximum amounts shown below**  
(Fixtures or lamps with integrated occupancy sensors may be eligible for an additional sensor rebate - see page 5)

LAMP LENGTH	DESCRIPTION	NUMBER OF LAMPS	WATTS	RETROFIT		NEW CONSTRUCTION		
				CODE	REBATE PER FIXTURE	CODE	REBATE PER FIXTURE	
2'	F17T8	1	18	206	11.00	---	---	
		2	32	207	11.00	---	---	
		3	48	208	18.00	---	---	
		4	57	209	18.00	---	---	
	F17T8 with Reflectors	1	18	210	17.00	---	---	
		2	32	211	17.00	---	---	
3'	F25T8	1	24	306	11.00	---	---	
		2	46	307	11.00	---	---	
		3	66	308	18.00	---	---	
		4	82	309	18.00	---	---	
	F25T8 with Reflectors	1	24	310	19.00	---	---	
		2	46	311	19.00	---	---	
4'	F32T8	1	31	100	11.00	---	---	
		2	58	101	11.00	---	---	
		3	85	102	18.00	---	---	
		4	112	103	18.00	---	---	
	F32T8 with Reflectors	1	31	104	14.00	---	---	
		2	58	105	14.00	---	---	
		3	85	106	24.00	---	---	
		4	112	107	24.00	---	---	
		5	148	108	31.00	---	---	
		6	170	109	37.00	---	---	
		8	224	110	48.00	---	---	
		F32T8 - RLO	1	26	111	11.00	---	---
	2		51	112	11.00	---	---	
	3		74	113	18.00	---	---	
	4		94	114	18.00	---	---	
	F32T8 - RLO / Reflectors	1	26	115	22.00	---	---	
		2	51	116	22.00	---	---	
		8	192	117	78.00	118	39.00	
		400 watt MH base →						
	F32T8 - HBF / Reflectors (ceiling height > 15')	100 watt MH base →	1	37	119	24.00	120	12.00
		150 watt MH base →	2	73	121	30.00	122	15.00
		175 watt MH base →	3	93	123	36.00	124	18.00
		250 watt MH base →	4	146	125	42.00	126	21.00
		400 watt MH base →	6	221	127	78.00	128	39.00
		F32 SUPER T8 (ceiling height ≤ 15') Must meet SUPER T8 lamp and ballast requirements shown on last page.  (Compare to standard T8 and T12 fixtures. Applicable to all SUPER T8 ballast-factor ballasts.)		1	26	129	13.00	451
			2	53	130	13.00	452	1.75
			3	80	131	24.00	453	2.25
			4	106	132	24.00	454	2.25
			6	159	133	37.00	455	2.75
	F32 SUPER T8 (ceiling height > 15') Must meet SUPER T8 lamp and ballast requirements shown on last page.	250 watt MH base →	4	146	134	56.00	135	28.00

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(Fixtures or lamps with integrated occupancy sensors may be eligible for an additional sensor rebate - see page 5)

LAMP LENGTH	DESCRIPTION	NUMBER OF LAMPS	WATTS	RETROFIT		NEW CONSTRUCTION		
				CODE	REBATE PER FIXTURE	CODE	REBATE PER FIXTURE	
4'	F32 SUPER T8 / Reflectors (ceiling height ≤ 15') Must meet SUPER T8 lamp and ballast requirements shown on last page.  (Compare to standard T8 and T12 fixtures. Applicable to all SUPER T8 ballast-factor ballasts.)	1	26	136	16.00	472	2.75	
		2	53	137	16.00	470	2.75	
		3	80	138	29.00	456	3.75	
		4	106	139	29.00	457	4.25	
		6	159	140	42.00	458	4.75	
		8	212	141	53.00	459	6.75	
	F32 SUPER T8 / Reflectors (ceiling height > 15') Must meet SUPER T8 lamp and ballast requirements shown on last page.	250 watt MH base →	4	146	142	61.00	143	30.50
		250 watt MH base →	5	177	154	48.00	155	24.00
		400 watt MH base →	6	221	144	105.00	145	52.50
		600 watt HPS base →	8	292	146	125.00	147	62.50
	F36T8	2	74	148	11.00	---	---	
	F36T8 with Reflectors	1	37	149	11.00	---	---	
	F48T8/HO	1	40	150	11.00	---	---	
		2	81	151	11.00	---	---	
3		118	152	18.00	---	---		
4		149	153	18.00	---	---		
Low-Wattage, 28 watt, 4' T8 Lamps Only (Existing/Base must be 32 watt T8 lamp – Code 8091)	NA	28	475	1.00 per lamp	476	1.00 per lamp		
Low-Wattage, 25 watts or less, 4' T8 Lamps Only (Existing/Base must be 32 watt T8 lamp – Code 8091)	NA	25	477	1.50 per lamp	478	1.50 per lamp		
5'	F40T8	1	46	504	11.00	---	---	
		2	71	505	11.00	---	---	
		3	105	506	22.00	---	---	
	F40T8 with Reflectors	1	46	507	11.00	---	---	
6'	F72T8/HO	1	80	602	11.00	---	---	
		2	147	603	11.00	---	---	
8'	F96T8	1	58	810	11.00	---	---	
		2	109	811	11.00	---	---	
		6	324	812	36.00	---	---	
	F96T8 with Reflectors	1	58	813	11.00	---	---	
	F96T8 with Reflectors (From F96T12/HO/VHO)	2	109	814	33.00	---	---	
	F96T8 - RLO	1	49	815	11.00	---	---	
		2	99	816	11.00	---	---	
	F96T8 - RLO / Reflectors	1	49	817	11.00	---	---	
F96T8/HO	2	160	818	11.00	---	---		

SUPER T8/High-Performance T8 systems must meet the following CEE specifications:

- This specification applies to systems using 4' 32 watt T8 lamps. Lamps must produce at least 3100 initial lumens (minimum 2950 initial lumens for lamps with color temp ≥ 4500 K); color-rendering index (CRI) ≥ 80; mean lumens per watt ≥ 90 for instant-start ballasts or ≥ 88 for programmed rapid-start ballasts; lamp life ≥ 24,000 hours (at 3 hours/start); and lumen maintenance ≥ 94% or minimum mean lumens ≥ 2900.
- Ballasts must be NEMA Premium Ballasts or have a ballast efficacy factor (BEF) equal to or greater than the factors shown in the table below; ballast power factor ≥ 0.90; and total harmonic distortion ≤ 20%. (BF=Ballast Factor)

Lamps	INSTANT START BALLAST (BEF)			PROGRAMMED RAPID START BALLAST (BEF)		
	Low (BF ≤ 0.85)	Medium (0.85 < BF ≤ 1.0)	High (BF ≥ 1.01)	Low (BF ≤ 0.85)	Medium (0.85 < BF ≤ 1.0)	High (BF ≥ 1.01)
1	3.08	3.11	3.03	2.84	2.84	2.95
2	1.60	1.58	1.55	1.48	1.47	1.51
3	1.04	1.05	1.04	0.97	1.00	1.00
4	0.79	0.80	0.77	0.76	0.75	0.75
6	N/A	N/A	0.52	N/A	N/A	0.50

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**T5 Fluorescent Fixtures with Electronic Ballasts - REBATES are 50% of fixture/lamp cost, up to maximum amounts shown below (Fixtures or lamps with integrated occupancy sensors may be eligible for an additional sensor rebate - see page 5)**

DESCRIPTION	NUMBER OF LAMPS	WATTS	RETROFIT		NEW CONSTRUCTION	
			CODE	REBATE PER FIXTURE	CODE	REBATE PER FIXTURE
14 Watt T5 HBF                      2-lamp F32T8 base →	2	39	2106	12.00	2087	2.00
18 Watt T5	1	20	2107	12.00	2000	2.00
	2	34	2108	12.00	2002	2.00
	3	50	2109	19.00	2004	2.50
28 Watt T5	1	29	2110	12.00	2085	2.00
	2	58	2111	12.00	2077	2.00
	3	96	2112	19.00	2079	2.50
39 Watt T5	4	116	2113	19.00	2081	2.50
	1	38	2114	12.00	2006	2.00
	2	66	2115	12.00	2008	2.00
40 Watt T5	3	104	2116	19.00	2010	2.50
	1	35	2117	12.00	2013	2.00
	2	68	2118	12.00	2014	2.00
40 Watt T5	3	98	2119	19.00	2016	2.50
	4	136	2120	19.00	2018	2.50
	6	204	2121	24.00	2020	3.00
50 Watt T5	1	50	2122	12.00	2022	2.00
	2	100	2123	12.00	2026	2.00
	3	150	2124	19.00	2030	8.00
55 Watt T5	4	200	2125	19.00	2034	8.00
	1	55	2126	12.00	2024	2.00
	2	110	2127	12.00	2028	2.00
24 Watt HO T5	3	165	2128	19.00	2032	8.00
	4	220	2129	19.00	2036	8.00
	1	29	2130	5.00	2038	2.00
24 Watt HO T5 / Reflectors                      250 watt MH base →	2	55	2131	5.00	2040	2.00
	3	82	2132	10.00	2083	4.00
	6	164	2160	60.00	2161	30.00
39 Watt HO T5	1	43	2133	10.00	2042	2.00
	2	85	2134	10.00	2044	2.00
48 Watt HO T5 / Reflectors                      400 watt HID base →	4	224	2135	90.00	2136	45.00
54 Watt HO T5	1	59	2137	45.00	2138	22.50
	2	117	2139	40.00	2140	20.00
	3	179	2141	60.00	2142	30.00
	4	234	2143	85.00	2144	42.50
54 Watt HO T5 / Reflectors                      2-lamp 8' T12 HO base →	2	117	2145	40.00	2146	20.00
	3	179	2147	60.00	2148	30.00
	4	234	2149	85.00	2150	42.50
	6	351	2151	115.00	2152	57.50
	8	468	2153	135.00	2154	67.50
	10	585	2155	165.00	2156	82.50
	12	702	2157	145.00	2158	72.50
	250 watt MH base →	4	234	2149	85.00	2150
400 watt MH base →	6	351	2151	115.00	2152	57.50
750 watt MH base →	8	468	2153	135.00	2154	67.50
1000 watt MH base →	10	585	2155	165.00	2156	82.50
1000 watt MH base →	12	702	2157	145.00	2158	72.50
80 Watt HO T5	4	368	2159	17.00	2048	2.00
Low-Wattage, 49 watts or less, T5 HO Lamps Only (use Code 8101 as Existing/Base Code)	NA	49	2088	1.20 per lamp	2089	1.20 per lamp

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**Compact Fluorescent Hardwired Fixtures (Does not include screw-base CFLs) - REBATES are 50% of fixture/lamp cost, up to maximum amounts shown below**

TOTAL CFL WATTAGE	WATTS	RETROFIT		NEW CONSTRUCTION	
		CODE	REBATE PER UNIT	CODE	REBATE PER UNIT
3 - 10 Watts Total	7	1253	8.00	1252	3.00
11 - 15 Watts Total	15	1255	8.00	1254	3.75
16 - 20 Watts Total	18	8137	8.00	1256	4.00
21 - 25 Watts Total	24	8138	10.00	1258	5.00
26 - 30 Watts Total	31	8139	10.00	1260	5.00
31 - 40 Watts Total	36	8140	16.00	1262	8.00
41 - 50 Watts Total	48	8141	16.00	1264	8.00
51 - 60 Watts Total	60	8142	16.00	1266	8.00
3 Lamp - Industrial Multi-CFL Fixture	165	1003	25.00	1002	15.00
8 Lamp - Industrial Multi-CFL Fixture	310	1001	25.00	1000	15.00
9 Lamp - Industrial Multi-CFL Fixture (400 watt MH base)	318	1269	30.00	1268	15.00

**Cold Cathode Lamps - REBATES are 50% of fixture/lamp cost, up to maximum amounts shown below**

LAMP WATTAGE	WATTS	RETROFIT		NEW CONSTRUCTION	
		CODE	REBATE PER UNIT	CODE	REBATE PER UNIT
5 - 10 Watt	7	1409	6.00	1410	3.00
11 - 20 Watt	14	1411	8.00	1412	4.00

**Metal Halide (MH) Fixtures and Lamps - REBATES are 50% of fixture/lamp cost, up to maximum amounts shown below**

DESCRIPTION	NUMBER OF LAMPS	WATTS	RETROFIT		NEW CONSTRUCTION	
			CODE	REBATE PER UNIT	CODE	REBATE PER UNIT
100 Watt Pulse-Start MH Fixture	1	129	993	20.00	994	9.00
150 Watt Pulse-Start MH Fixture with magnetic ballast	1	173	8119	25.00	8120	6.00
150 Watt Pulse-Start MH Fixture with electronic ballast	1	163	987	26.00	988	6.50
175 Watt Pulse-Start MH Fixture with magnetic ballast	1	189	8121	25.00	8122	6.00
200 Watt Pulse-Start MH Fixture with magnetic ballast	1	232	971	40.00	972	8.00
250 Watt Pulse-Start MH Fixture with magnetic ballast	1	290	8123	40.00	8124	8.00
320 Watt Pulse-Start MH Fixture with magnetic ballast	1	370	8125	55.00	8126	12.00
320 Watt Pulse-Start MH Fixture with electronic ballast	1	342	8127	61.00	8128	15.00
350 Watt Pulse-Start MH Fixture with magnetic ballast	1	410	8129	55.00	8130	12.00
400 Watt Pulse-Start MH Fixture with magnetic ballast	1	425	8131	55.00	8132	12.00
	2	850	8133	110.00	8134	24.00
575 Watt Pulse-Start MH Fixture with magnetic ballast	1	620	967	85.00	966	20.00
750 Watt Pulse-Start MH Fixture with magnetic ballast	1	812	8135	65.00	8136	15.00
875 Watt Pulse-Start MH Fixture with magnetic ballast	1	935	953	65.00	952	15.00
	2	1870	955	130.00	954	30.00
	3	2805	957	195.00	956	45.00
360 Watt - MH Lamp Only w/Ferro Electric Capacitor	1	418	951	10.00	950	5.00

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**Ceramic Metal Halide Fixtures and Lamps - REBATES are 50% of fixture/lamp cost, up to maximum amounts shown below**

DESCRIPTION	NUMBER OF LAMPS	WATTS	RETROFIT		NEW CONSTRUCTION	
			CODE	REBATE PER UNIT	CODE	REBATE PER UNIT
25 Watt Integrated Ceramic Metal Halide Lamp	1	25	959	20.00	958	8.00
205 Watt Ceramic Metal Halide Lamp (use Code 8099 as Existing/Base Code)	1	205	983	20.00	984	8.00
330 Watt Ceramic Metal Halide Lamp (use Code 8100 as Existing/Base Code)	1	330	985	20.00	986	8.00
830 Watt Ceramic Metal Halide Lamp (use Code 8103 as Existing/Base Code)	1	830	991	40.00	992	16.00
150 Watt or less Ceramic Metal Halide Fixture	All	100	961	50.00	960	20.00
151-250 Watt Ceramic Metal Halide Fixture	All	200	963	45.00	962	10.00
251 Watt or greater Ceramic Metal Halide Fixture	All	300	965	60.00	964	15.00

**Induction Lamps and Fixtures - REBATES are 50% of fixture/lamp cost, up to maximum amounts shown below**

LAMP WATTAGE	WATTS	RETROFIT		NEW CONSTRUCTION	
		CODE	REBATE PER UNIT	CODE	REBATE PER UNIT
15 - 22 Watt (70 watt HID base)	15	1603	17.50	1602	8.75
23 - 39 Watt (100 watt HID base)	23	1601	22.00	1600	11.00
40 - 149 Watt (175 watt HID base)	80	1605	41.00	1604	20.50
150 - 199 Watt (250 watt HID base)	150	1607	60.00	1606	30.00
200 - 299 Watt (400 watt HID base)	225	1609	100.00	1608	50.00
300 - 400 Watt (1000 watt HID base)	350	1611	100.00	1610	50.00

**Exit Signs, Occupancy Sensors, and Photocells**

DESCRIPTION	WATTS	RETROFIT		NEW CONSTRUCTION	
		CODE	REBATE PER UNIT	CODE	REBATE PER UNIT
Exit Sign - LED (incandescent existing)	2	3007	12.00	---	---
Exit Sign - LED (CFL existing)	2	3008	6.00	---	---
Exit Sign - LEC/Electroluminescent (incandescent existing)	0.3	3009	15.00	---	---
Exit Sign - LEC/Electroluminescent (CFL existing)	0.3	3010	10.00	---	---
Exit Sign - Photoluminescent (incandescent existing)	0	3005	16.00	---	---
Exit Sign - Photoluminescent (CFL existing)	0	3006	11.00	---	---
Wall Mount Occupancy Sensor	---	4001	12.00	---	---
Ceiling Mount Occupancy Sensor	---	4003	36.00	---	---
LED or Fluorescent Lamp or Fixture $\geq$ 15W with Integrated Occupancy Sensor	---	4021	5.00	4020	5.00
LED or Fluorescent Lamp or Fixture $\geq$ 50W with Integrated Occupancy Sensor	---	4023	10.00	4022	10.00
LED or Fluorescent Lamp or Fixture $\geq$ 100W with Integrated Occupancy Sensor	---	4025	15.00	4024	15.00
Photocells	---	4005	12.00	4004	6.00

**Definitions:**

CFL - Compact Fluorescent Lamp  
HBF - High Ballast Factor  
HID - High Intensity Discharge

HO - High Output  
HPS - High Pressure Sodium  
LEC - Light Emitting Capacitor

LED - Light Emitting Diode  
MH - Metal Halide  
RLO - Reduced Light Output

VHO - Very High Output

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**LED Lamps and Fixtures - REBATES are 50% of fixture/lamp cost, up to maximum rebates shown below**  
(Fixtures or lamps with integrated occupancy sensors may be eligible for an additional sensor rebate - see page 5)

DESCRIPTION	RETROFIT		NEW CONSTRUCTION	
	CODE	REBATE	CODE	REBATE
<b>ENERGY STAR® / DesignLights™ Consortium qualified LED Lighting</b> (not including Exit Signs or Traffic Signals) Qualifying ES Bulbs: <a href="http://www.energystar.gov/index.cfm?fuseaction=find_a_product.showProductGroup&amp;pgw_code=ILB">www.energystar.gov/index.cfm?fuseaction=find_a_product.showProductGroup&amp;pgw_code=ILB</a> Qualifying ES Fixtures: <a href="http://www.energystar.gov/index.cfm?c=ssl.pr_commercial">www.energystar.gov/index.cfm?c=ssl.pr_commercial</a> Qualifying DLC Bulbs and Fixtures: <a href="http://www.designlights.org">www.designlights.org</a>				
<b>LED BULBS</b>				
Non-Linear LED Light Bulb: less than 10 watts	1556	10.00	1557	10.00
Non-Linear LED Light Bulb: 10 watts to < 20 watts	1558	15.00	1559	15.00
Non-Linear LED Light Bulb: 20 watts to < 100 watts	1560	20.00	1561	20.00
Non-Linear LED Light Bulb: 100 watts to < 200 watts	1562	40.00	1563	40.00
Non-Linear LED Light Bulb: 200 watts or greater	1564	60.00	1565	60.00
Linear LED Light Bulb < 46"	1566	7.00	1567	7.00
Linear LED Light Bulb ≥ 46"	1568	9.00	1569	9.00
<b>LED FIXTURES/LUMINAIRES/RETROFIT KITS</b>				
<i>Fluorescent to LED:</i>				
LED Fixture/Luminaire/Retrofit Kit: less than 25 watts	1578	25.00	1579	25.00
LED Fixture/Luminaire/Retrofit Kit: 25 to < 50 watts	1580	32.00	1581	32.00
LED Fixture/Luminaire/Retrofit Kit: 50 to < 100 watts	1582	50.00	1583	50.00
LED Fixture/Luminaire/Retrofit Kit: 100 to < 150 watts	1584	70.00	1585	70.00
LED Fixture/Luminaire/Retrofit Kit: 150 to < 200 watts	1586	97.00	1587	97.00
LED Fixture/Luminaire/Retrofit Kit: 200 watts or greater	1588	125.00	1589	125.00
<i>HID, Incandescent, or Halogen to LED:</i>				
LED Fixture/Luminaire/Retrofit Kit: less than 25 watts	1520	35.00	1521	35.00
LED Fixture/Luminaire/Retrofit Kit: 25 to < 50 watts	1522	63.00	1523	63.00
LED Fixture/Luminaire/Retrofit Kit: 50 to < 100 watts	1524	100.00	1525	100.00
LED Fixture/Luminaire/Retrofit Kit: 100 to < 150 watts	1526	139.00	1527	139.00
LED Fixture/Luminaire/Retrofit Kit: 150 to < 200 watts	1528	194.00	1529	194.00
LED Fixture/Luminaire/Retrofit Kit: 200 watts or greater	1530	249.00	1531	249.00
<b>Non-ENERGY STAR® / Non-DesignLights™ Consortium qualified LED Lighting</b> (not including Exit Signs or Traffic Signals)				
<b>LED BULBS</b>				
Non-Linear LED Light Bulb: less than 10 watts	1590	8.00	1591	8.00
Non-Linear LED Light Bulb: 10 watts to < 20 watts	1592	10.00	1593	10.00
Non-Linear LED Light Bulb: 20 watts to < 100 watts	1594	15.00	1595	15.00
Non-Linear LED Light Bulb: 100 watts to < 200 watts	1596	30.00	1597	30.00
Non-Linear LED Light Bulb: 200 watts or greater	1598	50.00	1599	50.00
Linear LED Light Bulb < 46"	1476	5.00	1477	5.00
Linear LED Light Bulb ≥ 46"	1478	7.00	1479	7.00
<b>LED FIXTURES/LUMINAIRES/RETROFIT KITS</b>				
<i>Fluorescent to LED:</i>				
LED Fixture/Luminaire/Retrofit Kit: less than 25 watts	1488	15.00	1489	15.00
LED Fixture/Luminaire/Retrofit Kit: 25 to < 50 watts	1490	28.00	1491	28.00
LED Fixture/Luminaire/Retrofit Kit: 50 to < 100 watts	1492	44.00	1493	44.00
LED Fixture/Luminaire/Retrofit Kit: 100 to < 150 watts	1494	61.00	1495	61.00
LED Fixture/Luminaire/Retrofit Kit: 150 to < 200 watts	1496	85.00	1497	85.00
LED Fixture/Luminaire/Retrofit Kit: 200 watts or greater	1498	109.00	1499	109.00
<i>HID, Incandescent, or Halogen to LED:</i>				
LED Fixture/Luminaire/Retrofit Kit: less than 25 watts	1540	18.00	1541	18.00
LED Fixture/Luminaire/Retrofit Kit: 25 to < 50 watts	1542	55.00	1543	55.00
LED Fixture/Luminaire/Retrofit Kit: 50 to < 100 watts	1544	87.00	1545	87.00
LED Fixture/Luminaire/Retrofit Kit: 100 to < 150 watts	1546	121.00	1547	121.00
LED Fixture/Luminaire/Retrofit Kit: 150 to < 200 watts	1548	169.00	1549	169.00
LED Fixture/Luminaire/Retrofit Kit: 200 watts or greater	1550	217.00	1551	217.00

**Refrigerated Case LED Lamps and Fixtures**

DESCRIPTION	RETROFIT		NEW CONSTRUCTION	
	CODE	REBATE	CODE	REBATE
<b>DesignLights™ Consortium qualified LED Lighting</b> Qualifying DLC Bulbs and Fixtures: <a href="http://www.designlights.org">www.designlights.org</a>				
LED Lighting in Enclosed <b>COOLER</b> Display Cases (0F to 45F)	1532	\$50 per door	1533	\$40 per door
LED Lighting in Enclosed <b>FREEZER</b> Display Cases (-35F to 0F)	1534	\$50 per door	1535	\$40 per door
<b>Non-DesignLights™ Consortium qualified LED Lighting</b>				
LED Lighting in Enclosed <b>COOLER</b> Display Cases (0F to 45F)	1552	\$44 per door	1553	\$40 per door
LED Lighting in Enclosed <b>FREEZER</b> Display Cases (-35F to 0F)	1554	\$44 per door	1555	\$40 per door