



# COLLEGE TOWNSHIP

## GUIDELINES FOR EXTERIOR LIGHTING

1. **Lighting Use Clarification:** Per the College Township Exterior Illumination (§200-35) ordinance, all exterior lighting on a residential property shall be considered under the Class 3 Lighting Use Classification.

2. **Lighting Environmental Zone Determination:**

<u>Environmental Zone:</u>	<u>Applicable Township Zoning Districts:</u>
E1	A, F, OSD
E2	PRD, V, R1, R2, R3, RR, MHP, UPD-7 & 14
E3	11, GC, RO, C2, PRBD, UR, UPD-5, 8, 9, 10, 11 & 13
E4	C1

3. **Maximum Lumens Allowed for Exterior Illumination:** Per the College Township Exterior Illumination (§200-35) ordinance table 200.1 and the Environmental Zone identified under number two above, each residential parcel is allowed the following maximum total lumens according to that parcel's net acreage.

<u>Environmental Zone:</u>	<u>Maximum Lumens Total per Acre:</u>
E1, E2, E3	20,000 Lumens per Acre*
E4	30,000 Lumens per Acre*

\*Each residential single-family home or duplex is allowed up to 10,000 lumens or the amount listed above based on the parcel's acreage, whichever is larger.

4. **Maximum Luminaire Heights and Maximum Lighting Trespass:** For all residential parcels, the maximum luminaire mounting height is 20' above grade, the maximum pre-curfew trespass allowed is 0.2 footcandles, and the maximum post-curfew trespass allowed is 0.1 footcandles.

5. **Residential Luminaire Shielding Requirements:** Per the College Township Exterior Illumination (§200-35) ordinance table 200.2 and the Environmental Zone identified under item number two above, the following luminaire shielding requirements apply:

- A. For luminaires whose initial output is less than 2,000 lumens, no shielding is required.
- B. For luminaires whose initial output is greater than 2,000 lumens, full shielding is required.

6. **Seasonal Decoration Lighting:** Seasonal decorations using typical unshielded low-wattage incandescent lamps shall be permitted from October 15<sup>th</sup> thru January 15<sup>th</sup>.

# ZONING

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### Township of College

**Table 200.1**  
**Outdoor Lighting Output Standards**  
 [Added 4-15-2004 by Ord. No. O-04-02; amended 9-7-2006 by Ord. No. O-06-15]

	Minimum Maintained Avg Illumination <sup>(1)</sup>	Uniformity Ratio (Avg/Min) <sup>(2)</sup>	Maximum Light Trespass		Maximum Lumens Per Acre Cap <sup>(4)</sup>	Maximum Pole Height
			Precurfew <sup>(3)</sup>	Postcurfew <sup>(3)</sup>		
<b>CLASS 1</b>						
E1	0.25	2.5:1	0.2	0.1	50,000	20
E2	0.5	5:1	0.5	0.2	75,000	20
E3	1	5:1	1	0.2	150,000	25
E4	2	5:1	2	0.5	300,000	25
<b>CLASS 2</b>						
E1	0.25	2.5:1	0.1	0.1	30,000	20
E2	0.5	5:1	0.3	0.1	60,000	20
E3	1	5:1	0.8	0.2	125,000	25
E4	2	5:1	1.5	0.5	250,000	25
<b>CLASS 3 - RESIDENTIAL<sup>(5)</sup></b>						
E1	N/A	N/A	0.2	0.1	20,000	20
E2	N/A	N/A	0.2	0.1	20,000	20
E3	N/A	N/A	0.2	0.1	20,000	20
E4	N/A	N/A	0.2	0.1	30,000	20

Notes:

- (1) Footcandles measured on the paved pedestrian surface, without any shadowing effect from parked vehicles or trees at points of measurement.
- (2) The average horizontal illuminance measurement divided by the lowest horizontal illuminance point per Note (1) should not exceed the value shown in this table.
- (3) The maximum light trespass shall be measured on any adjacent property as measurable from any orientation of the measuring device.
- (4) Total outdoor lighting output shall not exceed the limits set forth in Table 200.1. Seasonal decorations, as permitted in this section, and lighting for internally illuminated signs are not counted toward these limits. Values shown in this table represent the maximum lumens/acre limits allowed.
- (5) Each residential single-family home or duplex is allowed up to 10,000 lumens or the amount indicated in Table 200.1 based on the parcel's acreage, whichever is larger.

ZONING

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Township of College

**TABLE 200.2  
Outdoor Luminaire Shielding Standards**

	Lighting Environmental Zone			
	E1	E2	E3	E4
<b>CLASS 1</b>				
Initial luminaire output greater than 2,000 lumens	F	F	F	F
Initial luminaire output less than 2,000 lumens	F	A	A	A
<b>CLASS 2</b>				
Initial luminaire output greater than 2,000 lumens	F	F	F	F
Initial luminaire output less than 2000 lumens	F	A	A	A
<b>CLASS 3 - RESIDENTIAL</b>				
Initial luminaire output greater than 2,000 lumens	F	F	F	F
Initial luminaire output less than 2,000 lumens	A	A	A	A
Legend A = All luminaire types are allowed. F = Luminaire shall be fully shielded as defined in this section. N/A = Luminaire not allowed.				

## COLLEGE TOWNSHIP EXTERIOR LIGHTING COMPLIANCE CHECKLIST

PROJECT NAME	OWNER'S NAME
PROJECT ADDRESS	CONTACT PERSON
	CONTACT PHONE NUMBER
TOTAL SITE ACRES	
LIGHTING CLASS	<input type="checkbox"/> CLASS 1 <input type="checkbox"/> CLASS 2 <input type="checkbox"/> CLASS 3 (RESIDENTIAL)
ENVIRONMENTAL ZONE	<input type="checkbox"/> E1 <input type="checkbox"/> E2 <input type="checkbox"/> E3 <input type="checkbox"/> E4

INSTALLATION TYPE	<input type="checkbox"/> COMMERCIAL <input type="checkbox"/> RESIDENTIAL
SPECIAL USE TYPE	<input type="checkbox"/> RECREATIONAL SPORTS FACILITY <input type="checkbox"/> OUTDOOR DISPLAY LOTS <input type="checkbox"/> EXTERIOR SERVICE CANOPY <input type="checkbox"/> ROADWAY LIGHTING <input type="checkbox"/> NOT APPLICABLE

**TABLE 200.1 VALUES**

MAINTAINED AVERAGE ILLUMINANCE	<input style="width: 50px; height: 30px;" type="text"/>	UNIFORMITY RATIO (AVERAGE/MINIMUM)	<input style="width: 50px; height: 30px;" type="text"/>
MAXIMUM LIGHT TRESPASS (PRE-CURFEW)	<input style="width: 50px; height: 30px;" type="text"/>	LUMENS PER ACRE	<input style="width: 50px; height: 30px;" type="text"/>
MAXIMUM LIGHT TRESPASS (POST-CURFEW)	<input style="width: 50px; height: 30px;" type="text"/>	POLE HEIGHT	<input style="width: 50px; height: 30px;" type="text"/>

**TOTAL LUMEN BUDGET <sup>(1)</sup>**

LUMINAIRE DESIGNATION	LUMINAIRE OVERALL HEIGHT	FULLY SHIELDED YES/NO	LUMENS PER LUMINAIRE	QUANTITY	TOTAL LUMENS PER

**TOTAL EXTERIOR LIGHTING SYSTEM LUMENS USED <sup>(2)</sup>**

<sup>(1)</sup> Total Lumen Budget is equal to the Maximum Lumens per Acre Cap multiplied by the Total Site Acre amount.  
<sup>(2)</sup> The Total Exterior Lighting System Lumens Used shall not exceed the Total Lumen Budget listed above.

SUBMITTED BY
SIGNATURE
DATE