

Outdoor Lighting Calculation
 City of Tucson Outdoor Lighting Code
 Ordinance #10135 (3/10/05)

Lighting Area	E3 (Central City)	E3a (Foothills: East of Oracle Rd. North of Rillito River & Tanque Verde Creek)
Total Lumens	55,000	39,000
<i>Unshielded</i> Lumens (transmits horizontally or up)	12,000	9,000

Allowed lumens:

Total Site Area _____ sq. ft. / 43,560 = _____ acre(s)

1. Total Lumens Allowable _____ lumens x _____ acre(s) = _____ lumens
2. Total *Unshielded* Allowable _____ lumens x _____ acre(s) = _____ lumens

Proposed (include entire property – both existing and new) lumens:

Fixture	Quantity	Lumens/each	FCO/ <i>Unshielded</i>	Total
A	_____	_____	_____	_____
B	_____	_____	_____	_____
C	_____	_____	_____	_____

1. Total Lumens Proposed _____
 =====

2. Total *Unshielded* Lumens Proposed _____
 =====

Notes: Full Cut-off (FCO) fixtures (or shielded) are completely opaque above and to the lowest point of the lamp. FCO approved manufacturer spec sheets are required for field verification.
FCO fixtures located under roof structures are not counted in the Total Lumens.
 Watts per lumens vary by manufacturer and lamp style. A lamp spec sheet may be provided, or use these values for incandescent lamps.

Watts	Lumens	Watts	Lumens	Watts	Lumens
15	100	60	850	100	1700
25	200	67	1000	135	2350
34	350	70	1100	150	2850
40	500	75	1200	200	3900
52	700	90	1450	300	6200
55	800	95	1600		