

REGULATING LED STRIP LIGHTING

APRIL 1, 2019

AUGUST 3, 2015 CITY COUNCIL MEETING

- PREVIOUSLY PROPOSED ORDINANCE WOULD HAVE PROHIBITED ALL TYPES OF STRING LIGHTS ON BUILDINGS. IT EXEMPTED STRING LIGHTING ON ROOFLINES (OF AN ENTIRE BUILDING), OUTSIDE PATIOS, TREES, LIGHT POLES, AND OTHER SIMILAR APPURTENANCES. IT ALSO REQUIRED ALL PROPERTIES TO COME INTO COMPLIANCE IN 3 YEARS.
- COUNCIL DID NOT APPROVE THE PROPOSED ORDINANCE.
- COUNCIL DIRECTED STAFF TO LOOK AT OTHER OPTIONS BASED ON LUMENS RATHER THAN A PROHIBITION ON STRING LIGHTS

TODAY

- CONTINUED EXPANSION OF LED STRIP LIGHTS BEING USED THROUGHOUT THE CITY
- LED STRIP LIGHTS ARE NOW RELATIVELY INEXPENSIVE
- CITY HAS INSTALLED A LED LIGHTING SYSTEM ON CITY BUILDINGS THAT WAS DESIGNED AND INSTALLED BY A THIRD PARTY.
- SEVERAL COUNCIL MEMBERS HAVE REQUESTED THAT WE REVISIT THIS ISSUE
- ORIGINAL THOUGHT WAS TO INCORPORATE THIS INTO OUR GREEN CODE WITH A LIMIT ON LUMENS. STAFF HAS LOOKED AT THIS ALTERNATIVE, BUT THERE ARE CHALLENGES MEASURING LIGHT LEVELS RELATED TO A SINGLE STORE LOCATION WHEN SURROUNDED BY LIGHT FROM OTHER STORES, STREET LIGHTS ETC....



- **SEC. 9-3. - LIGHTING.**

IT SHALL BE UNLAWFUL FOR ANY PERSON TO LOCATE ON HIS PROPERTY AND USE ANY VISIBLE SOURCE OF ILLUMINATION WHICH PRODUCES INTENSE GLARE OR DIRECT ILLUMINATION ACROSS ANY BOUNDING PROPERTY LINE. NO SUCH LIGHT SHALL BE OF SUCH INTENSITY AS TO CREATE A NUISANCE OR DETRACT FROM THE NORMAL USE AND ENJOYMENT OF ADJACENT PROPERTY. FOR PURPOSES OF THIS SECTION, A NUISANCE IS DEFINED AS 0.4 OF ONE FOOTCANDLE OF LIGHT MEASURED AT THE PROPERTY LINE.

PROPOSED APPLICABILITY

ONLY REGULATE LED STRIP LIGHTING. LED STRIP LIGHTING IS A FLEXIBLE CIRCUIT BOARD POPULATED BY SURFACE MOUNTED LIGHT-EMITTING DIODES AND OTHER COMPONENTS THAT USUALLY COMES WITH AN ADHESIVE BACKING.

COMPLIANCE WITHIN SIX MONTHS OF ADOPTION OF THE ORDINANCE.



OPTION 1:

PROHIBIT
LED STRIP LIGHTING
AROUND WINDOWS,
DOORS & OTHER
ARCHITECTURAL
FEATURES OTHER THAN
ROOFLINES FOR AN
ENTIRE BUILDING

OPTION 2:

CREATE A PERMITTING REQUIREMENT FOR ROOFLINE LED SYSTEMS

A PERMIT MAY ONLY BE ISSUED FOR THE INSTALLATION OF LED STRIP LIGHTING ON A ROOFLINE IF THE LIGHTING IS:

- (1) INSTALLED ON THE ENTIRE BUILDING'S ROOFLINE (RATHER THAN JUST ONE TENANT);
- (2) RATED FOR PERMANENT OUTDOOR INSTALLATION AND INSTALLED IN ACCORDANCE WITH ALL MANUFACTURE GUIDELINES;
- (3) INSTALLED BY A REGISTERED AND LICENSED ELECTRICIAN FOR NEEDED POWER SOURCES;
- (4) DOES NOT EXCEED 52 LUMENS PER FOOT AND DOES NOT FLASH, PULSE, CHASE, OR STROBE;
AND
- (5) MEETS ALL OTHER REQUIREMENTS SET FORTH IN THE CODE.

ALONG WITH A PERMIT APPLICATION, THE APPLICANT SHALL ALSO PROVIDE A PHOTOMETRICS PLAN, SHOWING THAT THE MEASUREMENT OF LIGHT AT ALL PROPERTY LINES, WITH AND WITHOUT THE LED STRIP LIGHTING, DOES NOT EXCEED .4 FOOTCANDLES OF LIGHT

**PROHIBIT LED STRIP LIGHTING ANYWHERE ELSE ON A PROPERTY
UNLESS:**

- (1) THE SOURCE OF LIGHT IS SHIELDED BY AN OPAQUE PHYSICAL BARRIER THAT IS A PERMANENT PART OF THE ARCHITECTURE OF THE BUILDING AND/OR STRUCTURE;
- (2) THE LIGHTING DOES NOT FLASH, PULSE, CHASE, CHANGE COLOR, OR STROBE; AND
- (3) ALL OTHER CODE REQUIREMENTS ARE MET.

OLD TOWN

SAME REGULATIONS AS THE REST OF THE CITY, BUT MUST ALSO BE APPROVED BY OTDRC, IN ACCORDANCE WITH OLD TOWN DESIGN GUIDELINES.

DISCUSSION & OPTIONS

DON'T REGULATE, OTHER THAN HOW WE REGULATE OTHER LIGHTING -- TRY TO ENFORCE USING EXISTING LIGHT POLLUTION ORDINANCE - .4 FOOTCANDLES AT THE PROPERTY LINE.

CARROLLTON MODEL BUT ONLY FOCUSED ON LED STRIP LIGHTING – ALLOW BY RIGHT ON ROOFLINE OF ENTIRE BUILDING (NOT INDIVIDUAL TENANTS) AND PROHIBIT ELSEWHERE.

ALLOW LED ON ROOFLINES BY PERMIT ONLY AND PROHIBIT LED STRIP LIGHTS ELSEWHERE ON THE EXTERIOR OF A STRUCTURE UNLESS SOURCE OF LIGHT IS SHIELDED BY A PERMANENT PART OF THE ARCHITECTURE OF THE BUILDING/STRUCTURE

6 MONTH COMPLIANCE DATE?