



**LDRAB Lighting Subcommittee  
Wednesday, March 30, 2005 AGENDA  
100 Australian Avenue  
Executive Conference Room, 3:30 p.m.**

- A. Review draft outdoor lighting ordinance
- B. Discuss industry contacts and public notices
- C. Discuss next meeting agenda
- D. Adjourn

# LDRAB/Lighting Subcommittee Meeting

March 30, 2005, 3:30 PM Executive Conference Room

Present:

## Members

Wesley Blackman (Chair)

Barbara Noble

## Industry

Andrew Youngross PE,

Thompson & Youngross

## Zoning Staff

Robert T. Buscemi, RA, Principle  
Planner

William Cross, Senior Planner

## Building Staff

Leonard Devine Jr. Plan Review

## County Department Staff

Jacey Biery , ERM

Bill Wilsher, Parks and Recreation

Gary Sypek, Director of planning,  
Airports

- Reviewed Minutes of January meeting
- Mr. Buscemi presented a draft Outdoor Lighting Ordinance (Version dated 3-28-05). This text was presented in code format (strickout and underline). The ordinance was reviewed and discussed by subcommittee members as follows:

1. Prior approval process.

Mr. Buscemi explained that “outdoor lighting” would be added to the existing ULDC Article 1.E.1.C.2 Structural Renovations. (renovations and or additions in excess of 35% of the current property appraised value shall comply to the greatest extent possible with these outdoor lighting standards) as well as being subject to existing ULDC requirements as set forth in Article 1.F, Non-conformities (limitations on expansion, maintenance, relocation, damage repair and renovations).

2. Definitions.

Mr. Buscemi reviewed each definition and gave examples of, full cut off luminaire, illuminance levels, light loss factor, luminaire, luminaire height and spillover light.

3. Purpose and intent.

Mr. Buscemi emphasized and explained the following, control glare, light trespass, obtrusive light, elimination of increase lighting levels on competing sites, providing safe roadways and maintaining safety, security and degradation of the night time visual environment as the purpose and intent of this ordinance and that code staff will be preparing a “White Paper” to assist the LDRAB members.

4. Applicability/Prohibited lighting.

Mr. Cross outlined all deviations and exemptions, which included single and multifamily units up to two dwelling units and streetlights along a public right of way.

Mr. Blackman questioned streetlights within a PUD (planned unit development).

Mr. Cross stated that code staff has requested input and comments from PBC Land Development concerning this issue.

Mr. Buscemi reviewed all the light sources that would be prohibited. Mr. Sypek stated that some types of airport lighting should be exempt from this section. He referenced his e-mail dated 3-30-05.

Mr. Cross stated that code staff would perform a review of his comments.

5. Confinement.

Mr. Cross stated that all light sources would be required to be directed downward. No up lighting would be permitted.

Mr. Blackman and Ms. Noble both stated that lighting in the U/S tier used for landscaping and building accents should be permitted to some degree of up-lighting.

Mr. Youngross stated that the lighting wattage should be limited to 100 watts per fixture with an overall max illumination output to be limited to 1 foot candle at a height of 12 feet above grade.

6. Submittal requirements.

Mr. Buscemi explained that photometric plans would be required at time of building permit.

Mr. Youngross and Mr. Levine stated that photometric plans should be required earlier in the design process. Possibly at the DRO or Public Hearing phases for larger projects that require review by those sections.

Mr. Levine stated that many times the site plans are approved which include parking lot layouts and location of lighting poles and then during building permit phase the photometrics are applied and conflicts with light distribution occur.

6. Standards.

Light trespass (the amount of light which is allowed to spill over onto adjoining properties) Mr. Blackman stated that large scale shopping centers many times over illuminate the rear area and spill much light onto adjoining residential properties.

Mr. Buscemi stated that the light trespass requirements addressed this issue by limiting the amount of light spillover for a nonresidential use abutting a residential use to 0.1 foot-candles.

Security lighting (the amount of light required to be maintained during periods of off use) Mr. Buscemi explained that the present PBC Security Code will be repealed as part of the adoption of this ordinance.

Mr. Wilsher explained that Parks and Recreation has uses that are accessible to the public 24 hours a day. Uses such as boat docks, ramps etc.

Mr. Cross stated that these uses will be incorporated as an exception into this section of the ordinance.

Illuminance levels ( the maximum, minimum, maximum to minimum ratio and average to minimum ratio required for different types of uses) Mr. Buscemi reviewed all the proposed illumination levels outlined in table 5.E.3.F and cited examples of light illustration slides that were presented at the last lighting subcommittee meeting for reference.

Mr. Youngross gave a short presentation explaining the illumination table requirements and used actual photometric drawings as illustrations. He further explained the terminology used in the table.

Fixture heights ( the maximum permitted height of a luminaire ) Mr. Buscemi reviewed the permitted luminaire height table as applied to the various uses.

Mr. Sypek stated that many of the light fixtures located within PBIA were currently at 60 feet in height. He stated he will review this issue with his department and if necessary provide additional comments.

- Mr. Buscemi stated that the code section would like to notify industry and the public of the proposed ordinance and requested the committee and all participants to submit names of groups, individuals or organizations that they felt would have an interest with this issue. Code staff will compile a list, and invite all interested parties to an after hour "5:01" meeting to facilitate there input and concerns.

Meeting was adjourned: