

a · l i g h t



a·parabola™ louver

ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA

The 2004 IESNA Progress Report Committee recognizes
your submission as a unique and significant
advancement to the art and science of lighting.



a light Division of Amerillum Corp.
a parabola Luminaire

Howard Lewis, Chairperson

William Hanley, Executive VP

- a·light's a·parabola™ louver has been recognized by the IESNA as the *first* to comply with the recommended practice RP1-04 for direct illumination in a computer intensive environment.
- the a·parabola™ controls the distribution of a single T5HO lamp so effectively that the IESNA progress report committee awarded it as a "significant advancement in lighting".
- the louver produces substantial and uniform direct distribution with no greater than 300 cd at 55°.
- a single direct luminaire achieves a low .70 watts per sq. ft. in an 8' x 10' space.
- minimalist designs for architectural integration
- maximum energy efficiency with the T5HO fluorescent
- 60% recycled aluminum housings
- low v.o.c. powdercoated finish



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NAME AND DESCRIPTION OF SUBMITTAL:

NAME: The a•light a•parabola™ louver meets RP-1-04.

DESCRIPTION: The arcature and accolade family of fixtures using the a•parabola™ louver with T5 HO linear fluorescent lamp complies with the new IESNA RP1 Standard for Direct Illumination in highly intensive computer environments. The louver was developed around the Boyce, Miller, Nagai Study, IES Journal Vol. 30 No. 2.

DESCRIPTION OF ITS SIGNIFICANCE TO LIGHTING:

A. The a•light a•parabola™ louver is a parabolic louver that provides “reflection controlled” direct distribution of the T5HO linear fluorescent lamp, compliant with Section 9.6.2 of the ANSI/IESNA RP-1-04. Certified independent testing shows that the T5HO (lumen output adjusted to the lamp’s intended output 5,000 lm) in combination with the louver produces substantial and uniform direct distribution with no greater than 300 cd at 55° (as recommended in RP1 04-04) and between approximately 1000-1500 cd at 35°. The distribution characteristics are deemed acceptable in “Intensive” as well as normal computer environments.

B. The textured surface of the a•parabola™ louver presents a “light grazing” effect in the 0-90° range for even, low brightness appearance from all angles.

C. The louver is designed for Direct and Direct/Indirect applications.

D. Variable distribution options allow for reduction of upper aperture luminous intensity to avoid unacceptable ceiling brightness (numerous options to accommodate varying ceiling conditions). Testing in Appendix C certifies VCP of 99-100.

E. Minimalist housing design encourages integration of luminaires into the architectural elements of the space.

F. Aluminum extruded housings are processed from 60% recycled aluminum (40% post consumer).

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