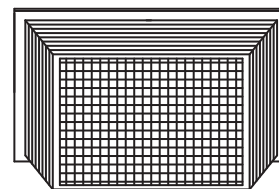


# DROP LENSES

Models 370, 371, 380 and 381



Model 371



## Models 370, 371, 380 and 381

**Models 370 and 380**  
Dimensions: 21.09" x 21.09"  
Depth: 3"

**Models 371 and 381**  
Dimensions: 21.86" x 21.86"  
Depth: 3"

INTERIOR AND EXTERIOR  
LIGHTING APPLICATIONS

**Model 371**  
CIE type: Direct  
Efficiency: 69.6%

Materials: Acrylic and Polycarbonate

## Description

Models 370 and 380 are 21.19" x 21.19" drop lenses. Models 371 and 381 are 22" x 22" drop lenses. All are suitable for interior and exterior area lighting applications. Models 370 and 371 are ultraviolet stabilized acrylic lenses for high efficiency in applications where ambient heat is not excessive. Models 380 and 381 are impact resistant polycarbonate lenses for use in areas where vandal resistance is a requirement. When used in outdoor area applications, this drop lens provides a distinctive alternative to conventional cut-off luminaire appearance and performance.

## Lamp Data

Models 370, 371, 380 and 381 should not be used with over 400W HID lamps. All models use fluorescents and lower wattage HID lamps efficiently. To avoid detrimental internal reflections and high temperatures inside the drop lens, proper luminaire design is required. Thermal testing should be conducted on each luminaire with the proposed light source in its selected position to confirm lamp size suitability, or to predict service life of the lens.

## Ordering Information

Please call 877-257-5841 for price and delivery. Typical lead time is four to six weeks.

## Service Life

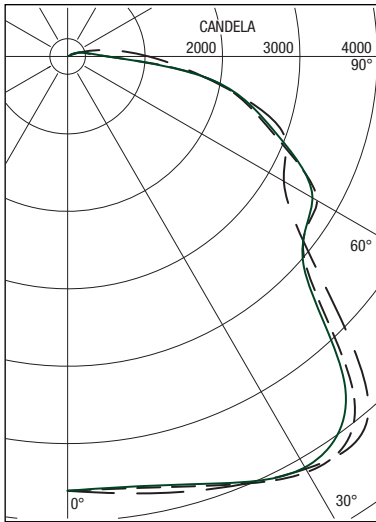
The service life of acrylic refractors is virtually unlimited when used within the recommended temperature limit. Polycarbonate refractors are subject to yellowing especially when used with high ultraviolet output light sources; this effect is enhanced at high temperatures.

## Notice

A.L.P. Lighting Components, Inc. assumes no responsibility for suitability of luminaires and applications. The use of our molded products at excessive temperatures with high UV output light sources will cause degradation of the material. Information regarding the use of lenses and refractors with Metal Halide lamps can be found in the Products/Technical Resources section of our web site at [www.alplighting.com](http://www.alplighting.com). \*See second page for important UL information.



# Models 370, 371, 380 and 381



## Photometrics

This lens design provides significant illumination levels below the luminaire and is not suitable for applications where a "bat-wing" distribution is desired. The tapered side panels of the lens incorporate a unique side prism which controls brightness. Using a 400W clear metal halide lamp, vertically mounted inside a typical luminaire, the lens produces a curve as shown at left. Total luminaire efficiency is 69.6% and spacing criteria is 1.6 (ITL37349). Individual luminaire performance depends on the lamp center position and the reflector design chosen. Each luminaire design should be individually tested for proper classification. Please call for additional photometric data.

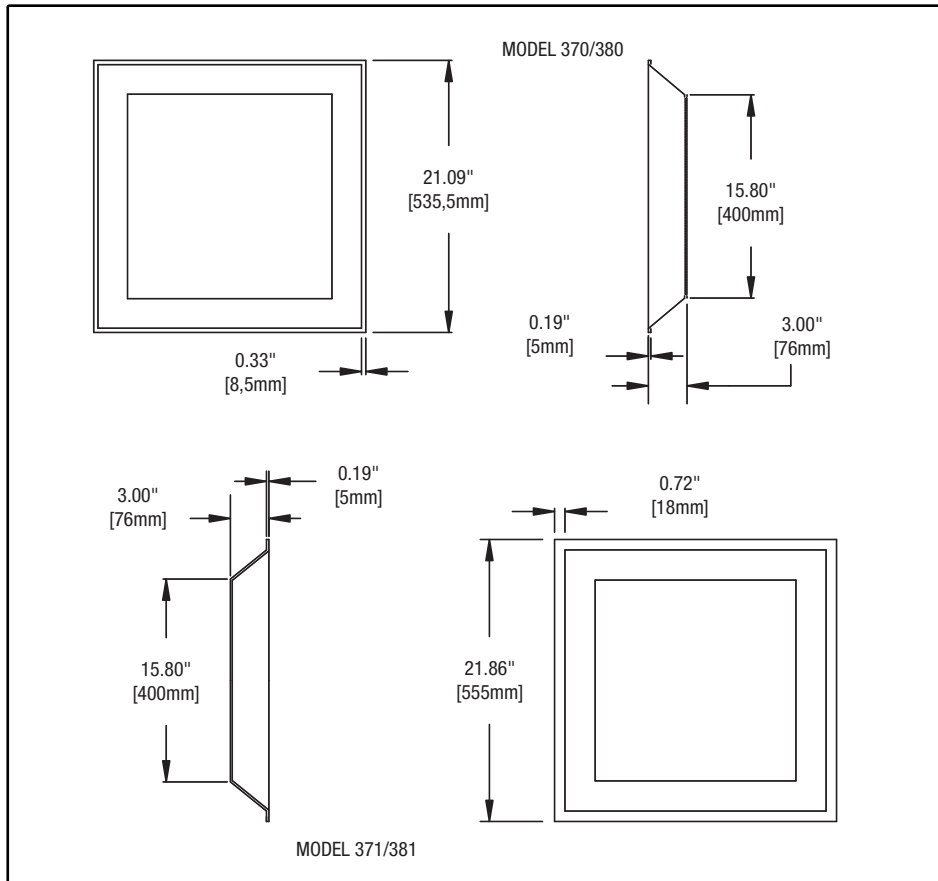
Report Number: ITL37349  
 Total Luminaire Efficiency = 69.6%  
 CIE Type: Direct

## Materials

See the LexaLite® brand price list for current part numbers and material offerings. Up-to-date and detailed material specifications can be found in the Products/Technical Resources section of our web site at [www.alplighting.com](http://www.alplighting.com).

UvaLex® is LexaLite's proprietary treatment to retard yellowing in ultraviolet environments and is standard on these polycarbonate refractors.

When using acrylic Models 370 and 371, the surface temperature of the lens should not exceed 80°C. When using polycarbonate Models 380 and 381, the surface temperature of the lens should not exceed 90°C.



**This drawing is for reference only. Actual part dimensions will vary. Customer is urged to review actual samples to confirm fit and function. All specifications and dimensions are subject to change without notice.**

**\*Effective June 30, 2010, lenses associated with this product will no longer be UL recognized components. A.L.P. LexaLite recommends the use of open rated lamps with any polymeric lens. These lenses should not be used as arc retention devices.**

