

A Study In...

Industrial Lighting



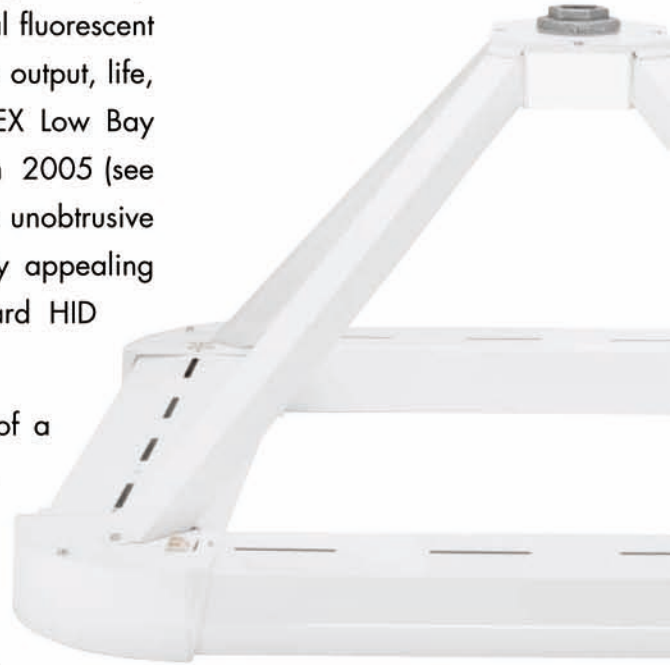
APEX[®]

 Day-Brite[®] Lighting

APEX Fluorescent Low Bay Luminaire's first Beta site – Hawkeye Industries Manufacturing Center –

When Hawkeye Industries, Inc. embarked upon a 24,000 sq. foot expansion to make room for growth and new equipment technologies, a large part of this expansion focused on lean manufacturing principles and, in particular, enhancing productivity by eliminating fatigue and improving worker safety. Hawkeye Industries, Inc., working with Day-Brite application engineers, chose the new APEX® industrial fluorescent luminaire because it offered the best combination of lumen output, life, and operational characteristics for their application. APEX Low Bay fluorescents were introduced into the market by Day-Brite in 2005 (see LightFair 2005 New Product Showcase) and provide an unobtrusive alternative for applications requiring a more aesthetically appealing appearance. Energy savings when compared to standard HID lighting systems are another benefit.

Hawkeye Industries, Inc. is a world-class OEM supplier of a wide variety of sheet metal components and assemblies. Their successes over the past ten years have been centered on a passion for manufacturing excellence through technology and worker productivity. Services available include laser cutting, CNC punching & bending, welding, and light assembly.

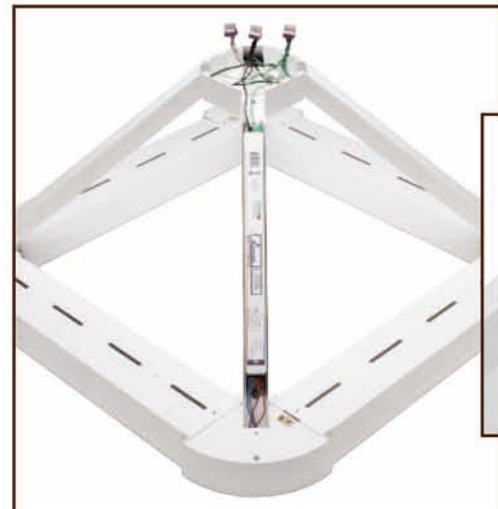


A key component to success occurred with an analysis of available new lighting technologies. Of unique benefit, was the “instant on” feature common with fluorescent lighting as well as the ease of installation and maintenance due to its light weight and lamp accessibility. In combination with a bright gray epoxy floor coating, the brightness of the manufacturing area leads to a very comfortable work environment free from hot spots and supplemental lighting requirements. Any future expansions by Hawkeye will certainly include the utilization of the APEX luminaire.

J. Bryan Hawkins,

A large, stylized handwritten signature of J. Bryan Hawkins in white ink. The signature is fluid and cursive, with the first letters of the first and last names being significantly larger and more prominent.

President/CEO, Hawkins
Industries, Inc.





INSPIRED BY CIVILIZATION. . .
ANCIENT



ENGINEERED BY MINDS
MODERN



Day-Brite Lighting & APEX Fluorescent Low Bay Technology

Using four 80-watt compact fluorescent lamps, the APEX luminaire requires only 364 watts as compared to the standard 400-watt metal halide system, which consumes 458 watts, a 20% saving in energy usage. Options include wire guards, prismatic lenses & dimming and switching capabilities for energy management control. Additionally, fluorescent lamps are “instant on”—a feature not possible with HID sources.

The APEX Fluorescent Low Bay Luminaire features Miro4 or white painted reflectors and can be equipped with 40, 50, 55 or 80 watt TT5 lamps in a solid die cast design with up-light for an efficient alternative in industrial lighting applications.

Product Features

- Maximum efficiency of 96% and a spacing criteria of 2.1.
- UL 1598 Listed suitable for damp location and 55°C ambient for all lamp wattages.
- Die cast 3/4” hub for easy positive mounting.
- 90% lumen maintenance for high maintained light levels.
- Separate ballast and lamp enclosures for optimum thermal performance.
- Die cast/steel structure with white polyester powder finish.
- Energy savings over HID industrial luminaires (Dimming option also available).
- Parabolic reflectors with Miro4 or white painted finish.





Hawkeye Industries, Inc. newly expanded manufacturing area is illuminated with (31) 4-lamp 80w TT5 luminaires, spaced on 20' x 25' centers with a 14-ft. average mounting height. Light levels exceed the 40 foot-candles designed for this application.

Aerial Photo of Hawkeye, Industries, Inc.
Tupelo Plant



General work area within the
Hawkeye, Industries, Inc. Plant

“Day-Brite Lighting is committed to a full service approach which can include customized lighting layouts. These layouts range from industrial applications to highly specialized retail environments. This service enables our customers to order an accurate number of luminaires while also giving them the most optimum use of our lighting systems.”

Clarke Penley,
Day-Brite Lighting Applications Manager

INVOLVED PARTIES...

Owner: J. Bryan Hawkins, President/CEO, Hawkeye Industries, Tupelo, MS
Local Distributor: NESCO Lighting, Tupelo, MS
Lighting Designer: Day-Brite Lighting Applications Department, Tupelo, MS
Installing Contractor: McDonald Electric, Tupelo, MS