LIGHTING OPTIONS
COMPARISONS/ARIZON LIGHTS

LIGHTS

T-5 FLUORESCENT HANG LIGHTS

While metal halide hang light fixtures have long been the industry standard for large, open-span recreational, warehousing, and commercial dome applications, developments in lighting technology and an increased emphasis on energy efficiency have enticed many dome owners to consider the T-5 fluorescent hang lighting fixtures instead. T-5 fluorescent fixtures are an affordable alternative that significantly reduce energy consumption, increase efficiency, and lower overall lighting and operational costs. Current air-supported building owners can retrofit their existing lighting system with T-5 fluorescent fixtures, and many new dome clients prefer this type of lighting system.

LED LIGHTING FIXTURES

Arizon's LED Lighting Fixtures produce advanced thermal management capabilities, thus eliminating long term color shifts and increasing the lifespan to 60,000 hours. LED Lighting fixtures retrofit directly into existing T-5 fluorescent fixtures. These lights lead to unprecedented energy savings, drastically reduce re-lamp frequency, and long-lasting performance.

OPTIONS

DIRECT & INDIRECT LIGHTING

Indirect lighting will provide the most even distribution of light in a space. Arizon has provided indirect lighting in most of our air structures for this reason. Light quality is critical in most sports applications. In order to maximize the amount of light in the dome, we design our lighting system to reflect off of the curved dome surfaces and bounce back to the floor.

ARIZON SKYLIGHT SYSTEM

Arizon's skylight system allows natural light to enter the dome during daytime hours, minimizing the need for interior lights to be on during the day and resulting in significant operating cost savings. The size of the skylight can be designed to meet the needs and design specifications of each client.

COMPARISON

	PREVIOUS STANDARD	STANDARD OPTION	UP-GRADE OPTION
	1000 Watt Metal Halide	T-5 Flourescent	LED Fixture
Wattage Per Fixture	1080 W	696 W	259 W
Fixture Light Output (new)	63,250 lumens	37,440 lumens	39,600
Fixture Light Output (After 10,000 Hours)	37,950 lumens	33,696 lumens	39,270
Lumens Per Watt (new)	58.6 lumens / watt	53.8 lumens/ watt	161 lumens/ watt
Lumens Per Watt (After 10,000 Hours)	35.1 lumens/ watt	48.4 lumens/ watt	161 lumens/ watt
Maintenance Costs (After 60,000 Hours)	$532 per fixture	$646 per fixture	$0 per fixture
Light Color Temperature	3500K	5000K	5000K
Contains Mercury	YES *Must be disposed of by hazardous waste service company*	YES *Must be disposed of by hazardous waste service company*	No Mercury

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