

Fluorescent Fixture Comparison

Fixture Comparison Chart – 100' x 100' Room

T8								T5						PS		MH	T12				
4 LAMP				6 LAMP				4 LAMP			6 LAMP					2LAMP					
												51fc 25 FIX	56fc 25 FIX	49fc 35 FIX	55fc 30 FIX	51fc 30 FIX					
												51fc 25 FIX	55fc 25 FIX	54fc 25 FIX	59fc 25 FIX	52fc 35 FIX	49fc 25 FIX	55fc 30 FIX			
												54fc 25 FIX	59fc 25 FIX	58fc 25 FIX	62fc 25 FIX	57fc 36 FIX	52fc 25 FIX	58fc 30 FIX			
				49fc 36 FIX	52fc 36 FIX	56fc 36 FIX	57fc 36 FIX	53fc 36 FIX	62fc 36 FIX	58fc 36 FIX	63fc 36 FIX	47fc 20 FIX	50fc 20 FIX	49fc 20 FIX	53fc 20 FIX	50fc 30 FIX	55fc 25 FIX	53fc 25 FIX	54fc 49 FIX		
52fc 56 FIX	52fc 49 FIX	53fc 56 FIX	53fc 49 FIX	52fc 36 FIX	54fc 36 FIX	60fc 36 FIX	61fc 36 FIX	48fc 30 FIX	55fc 30 FIX	52fc 30 FIX	55fc 30 FIX									51fc 42 FIX	
54fc 56 FIX	54fc 49 FIX	55fc 56 FIX	56fc 49 FIX					50fc 30 FIX	57fc 30 FIX												53fc 42 FIX
<i>White, Uplight</i>	<i>Specular, Uplight</i>	<i>White Reflector</i>	<i>Specular Reflector</i>	<i>White, Uplight</i>	<i>Specular, Uplight</i>	<i>White Reflector</i>	<i>Specular Reflector</i>	<i>White, Uplight</i>	<i>Specular, Uplight</i>	<i>White Reflector</i>	<i>Specular, Reflector</i>	<i>White, Uplight</i>	<i>Specular, Uplight</i>	<i>White Reflector</i>	<i>Specular, Reflector</i>	<i>320 Watt</i>	<i>400 Watt</i>	<i>400 Watt</i>	<i>2-96 HO Strip</i>		






TOP NUMBER: footcandles
 BOTTOM NUMBER: fixtures required

Design Specifications:

100 x 100 room: Fixture spacing varies by mounting height and fixture type
 Reflectances: 0.8 ceiling, 0.5 walls, 0.2 floor, open room

NOTE: The above chart is for guideline purposes only, please call the Atlas Distributor Support Center for detailed lighting layouts and consultation.

Fluorescent High Bays vs. HID

					
	6 Lamp T5HO Fluorescent	400W Pulse Start Aluminum High Bay	350W Pulse Start Aluminum High Bay	320W Pulse Start Aluminum High Bay	400W Metal Halide Aluminum High Bay
Lumen Maintenance	95%	75%	75%	75%	60%
Fixture Efficiency	93% - 94%	83%	83%	83%	83%
Lamp Life	20,000+	20,000	20,000	20,000	20,000
Start Up Time	Instant	2-3 minutes	2-3 minutes	2-3 minutes	3-5 minutes
Restrike Time	Instant	4-6 minutes	4-6 minutes	4-6 minutes	15-20 minutes
Color Rendering Index	80+	80+	80+	80+	65-70
Initial Lumens	30,000	40,000	33,000	30,000	36,000
Mean Lumens	28,500	32,000	25,000	23,000	24,840
Watts/Fixture	350	452	400	368	440