



## HIGH BAY LED FIXTURE (SERIES: HLM-145W)

Low Profile, Ultra High Lumen LED Downlight  
145watt, 120-277VAC<sub>in</sub>, Wide Angle, 146 lm/W

### FEATURES & BENEFITS

*This 400watt Metal Halide replacement is an ideal solution for high ceiling lighting spaces including industrial warehousing, storage facilities, airport hangers or any other area requiring high lumen, high product reliability.*

**ENERGY EFFICIENT** – This high lumen, low wattage product offers exceptional energy efficient value.

**MAINTENANCE FREE** – Eliminates costly bulb and/or ballast replacements, lens cleaning/replacements due to UV yellowing and is corrosion resistant. Reduces unnecessary landfill & disposal.

**ARCHITECTURALLY PLEASING DESIGN** – The Silescent Fixture looks outstanding in either the ON or OFF state.

**PLEASING LAMP COLOR** – High quality LEDs delivering pure (visible) light spectrum lighting originating from the highest quality COB array's producing the most vibrant of colors.

**WIDE AREA LIGHT DISTRIBUTION** – 170 degree distribution provides remarkable light coverage throughout the facility. Eliminates dark corners and provides floor to ceiling even distribution.

**INSTANT ON/OFF** – Events start on time, end on time with the ability to turn on/off these fixtures on-demand and as needed saving further energy costs.

**SANITARY DESIGN** – The entire room side surface of the fixture can be easily cleaned and disinfected; the fixture has been designed to eliminate or minimize dust and germ collecting surfaces (IP65 rated).

**ENVIRONMENTALLY FRIENDLY** – No Hazardous Mercury Content.

**LISTINGS & COMPLIANCE** – UL1598 listed Canada & US (ETL label), wet location under cover ceiling, IP65 rated, RoHS compliant.

**THERMAL MANAGEMENT** - Patented (No.'s: 7,810,960 & 8,360,614) HEAT FORWARD/LIGHT FORWARD proprietary technology.

**EXTRA LONG LIFE** – 100,000 operating hours (@ 10 hrs/day is > 27 years)

**WARRANTY** – 5 year limited warranty, both LED and driver. Full warranty details available at [www.silescent.com](http://www.silescent.com)

**EASY MOUNTING/INSTALLATION** – *New Construction & Retrofit:* Pendant & Chain mounting capable.

**MADE IN USA** – Designed, engineered and mfr'd by Silescent Lighting in Ft. Lauderdale FL (ARRA & NAFTA compliant).

### SPECIFICATIONS

**THERMAL TRIM RING STYLE** – 24 inch diameter Trim Ring

**FINISH** – Standard Powder Coat White Finish.

**INPUT VOLTAGE** – 120-277VAC<sub>in</sub>

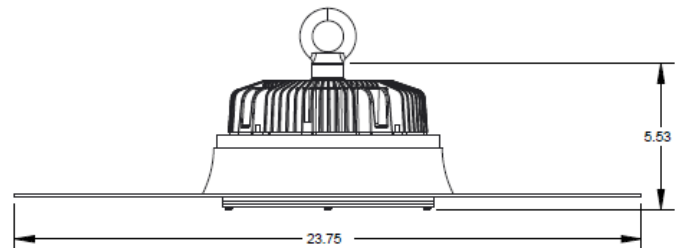
**LAMP TEMPERATURES (CCT)** – 5000 Kelvin (CRI>70)

**OPTIC** – Diffuser, wide area distribution.

**WATTAGE** – 145 watts.

**FIXTURE WEIGHT** – 15.0 lbs (including chain mount)

*Standard options available upon request (Finish & CCT). Pricing & lead-times may be affected. Contact Manufacturer.*



### ELECTRICAL DATA

- **Operating Temp:** .....-40°C ~ +60°C
- **Ambient Temp:** .....<35°C
- **Nominal Voltage:** .....120/230/277 VAC<sub>in</sub>
- **Operating Voltage:** .....90 – 305VAC, 50 / 60 Hz
- **Power Factor:** .....>98%/115V, >95%/230V, >93%/277V
- **AC Current (Typ):** .....2.5A/115V, 1.3A/230V, 1.2A/277V

### CONSTRUCTION

- **Dimensions:** .....24.0in (dia.) x 8.6in (H)
- **Weight:** .....15 lbs.

### RATINGS/WARRANTY

- **Life Rating:** .....100,000 hours
- **Warranty:** .....5 years

### PERFORMANCE SUMMARY

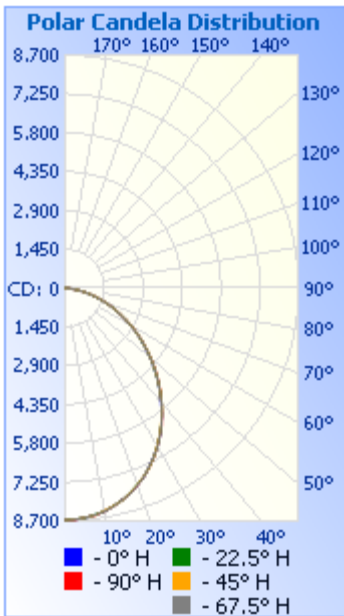
- **Light Output:** .....21,060 Lumens
- **Wattage:** .....145
- **CCT:** .....5000 Kelvin, >70cri
- **Efficacy:** .....146 lumens/watt



# Silescent LED HIGH BAY LED FIXTURE, 145watts

# Photometric Data

UPC 692193787815: 120-277VACin, 5000k, 70CRI, 144.1 Watts, 21,060 Delivered Lumens, 146 Lm/W (measured)  
 Mfr Item Code: HLC01M1A51HD3145w

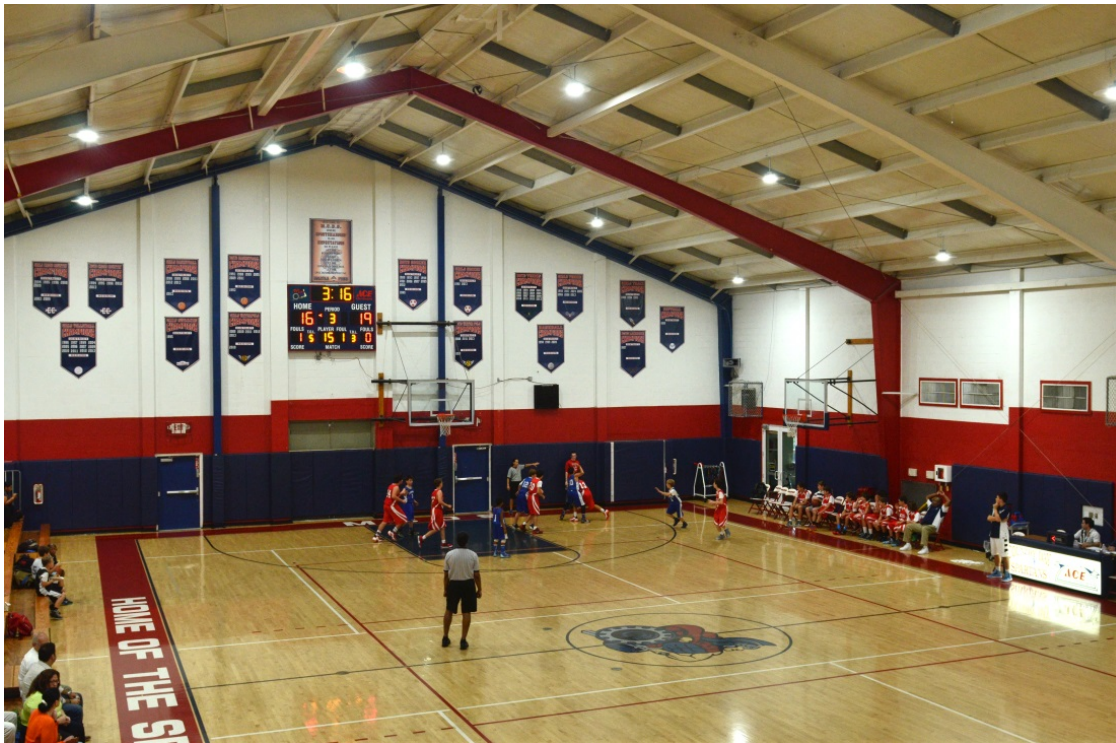


Zonal Lumen Summary			Lumens Per Zone		
Zone	Lumens	% Luminaire	Zone	Lumens	% Total
0-30	6,542.2	31.1%	0-10	819.1	3.9%
0-40	10,448.4	49.6%	10-20	2,315.3	11.0%
0-60	17,388.8	82.6%	20-30	3,407.8	16.2%
60-90	3,670.6	17.4%	30-40	3,906.2	18.5%
70-100	1,451.0	6.9%	40-50	3,779.8	17.9%
90-120	0.8	0%	50-60	3,160.6	15.0%
0-90	21,059.3	100%	60-70	2,220.4	10.5%
90-180	0.8	0%	70-80	1,166.5	5.5%
0-180	21,060.1	100%	80-90	283.7	1.3%

	Illuminance at a Distance		
	Center Beam fc	Beam Width	
4.3ft	<b>470 fc</b>	<b>9.9 ft</b>	<b>9.9 ft</b>
8.7ft	<b>115 fc</b>	<b>19.9 ft</b>	<b>20.1 ft</b>
13.0ft	<b>51.4 fc</b>	<b>29.8 ft</b>	<b>30.1 ft</b>
17.3ft	<b>29.0 fc</b>	<b>39.7 ft</b>	<b>40.0 ft</b>
21.7ft	<b>18.5 fc</b>	<b>49.8 ft</b>	<b>50.2 ft</b>
26.0ft	<b>12.9 fc</b>	<b>59.6 ft</b>	<b>60.2 ft</b>

■ Vert. Spread: 97.8°  
 ■ Horiz. Spread: 98.3°

.ies files available upon request  
 (contact manufacturer)  
 File: TR209-22a



UPC:	692193787815	Type
Project:		
Comments:		Date
Prepared by:		