



## OVERVIEW

## ORDERING INFORMATION

### FIXTURE OVERVIEW

The SolaWash 2000 delivers high-intensity output that can outperform even the most powerful arc-source instruments. Built for the largest lighting applications, the SolaWash 2000 luminaire is truly a wash light with no compromises. The fixture uses a 600-watt LED Source, multiple color and effects systems, and an incredibly versatile zoom range for revolutionary new lighting looks.

### APPLICATIONS

- Arenas and stadiums
- Theatres and Opera houses
- Concert halls and performing arts centers
- Film and television broadcast studios
- Houses of worship
- Nightclubs and special events

### PRODUCT FEATURES

- White LED Engine
- 600W Ultra-Bright engine producing 20,000 field lumens or High CRI Engines featuring incredibly accurate color rendering in 6500k or 3200k
- Full framing shutter system
- CMY / CTO - Linear color mixing system
- Dual color wheels one with twelve total dichroic color chips
- Dual Linear Frost systems for light and heavy frost
- Iris
- Sharp edge focus throughout 5° - 50° zoom range
- Patented Lens Defogger

### SolaWash 2000

MODEL	DESCRIPTION
H7010034	SolaWash 2000 fixture, Ultra-Bright, black, with Road Case
H7010036	SolaWash 2000 fixture, High CRI, 6500k, black, with Road Case
H7010021	SolaWash 2000 fixture, High CRI, 3200k, black, with Road Case

Color Options: Fixtures ship standard in black. White available by request

Notes: Fixture includes two (2) Omega Brackets and one (1) Fixture Power Cord, Bare Ends to TRUE1™ Input

### Accessories

Model #	Description
DPA-A	5 ft powerCON® to parallel blade U-ground (Edison) connector
DPA-B	5 ft powerCON® to 20A two-pin and ground (stage pin) connector
DPA-C	5 ft powerCON® to grounded 20A Twist-Lock® connector
67040007	MegaClaw™
55040014	Cheeseborough 2" Alloy 1/2 Coupler Truss Clamp
67040010	Mini-Claw™



## PRODUCT SPECIFICATIONS

### Source

Engine Options	Ultra-Bright white engine	High CRI - 6500K	High CRI - 3200K
LED Details	600W	600W	600W
Max Lumens	26,000	20,000	13,500
LPW	43	33	23
LED Life	50,000 hrs	50,000 hrs	50,000 hrs
Native Color Temperature	7400k	6500k	3200k

### Color

Color Mixing	CMY CTO - Linear
Color Temperature	Variable down to 2800k
Color Wheel	Six (6) Fixed dichroic chips plus open Six (6) Replaceable dichroic chips plus open
Notes	See Page 5 for color rendering information

### Optical

Beam angle range	5° - 50°
Gate size	30 mm
Aperture size	120 mm
Frost	Dual flag system with light and heavy frost medium
Flicker control/Hz range	16 kHz
Iris	16 Blade Iris

### Control

Input method	DMX (5-pin), DMX (3-pin), or Ethernet
Protocols	DMX via RS-485 Art-Net or sACN via Ethernet
Modes (Footprint)	one (36)
RDM functions	Yes
UI type	Full color graphical UI with 6 button navigational control
Local control	Yes
Dimming performance	16-Bit, DMX Controlled

### Electrical

Voltage range	100-240V 50-60Hz
Input method	powerCON 20 A
Max Wattage	800W
Max Current	8.6A @ 100V

### Thermal

Ambient operating temp	0° to 45° C (32° to 113° F)
Fan	Three Modes: Normal, Continuous, and Studio
Stationary dBA	Standard Fan Mode - 38 dBA

### Physical

Pan and Tilt Range	540° Pan, 265° Tilt
Max Pan/Tilt Speed	Pan - 3.66 sec for 360°, Tilt - 2.6 sec for 252°
Materials	Steel and aluminum frame with molded plastic covers
Color options	Black, White by request
Mounting options	Any orientation
IP rating	IP20
Weight	92lb / 42kg
Included accessories	powerCON 20 A to bare end fixture tail Two (2) clamp brackets Safety cable
Notes	See page 6 for dimensions

### Warranty

Fixture Warranty	Five (5) years for light engine Two (2) years for complete fixture
Warranty Details	<a href="https://www.highend.com/warranty/">https://www.highend.com/warranty/</a>

### Regulatory and Compliance

Approved Regulatory Standards	Listed to UL 1573 Certified to CSA STD. C22.2 No: 166 CE
CE Compliance declared to the following standards	Safety: EN 60598-1, EN 60598-2-17 EMC: EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3
Complies to the ROHS Directive	Yes

### Safety

Safety	Minimum distance to illuminated surface = 1.5m Minimum distance from fixture head to combustible materials = 0.5m
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### NOTES ABOUT LED LUMINAIRES

All LED sources experience some lessening of light output and some color shift over time. LED output will vary with thermal conditions. Thermal conditions can be affected by ambient temperatures and orientation.

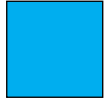


## OPTICAL INFORMATION

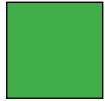
### Fixed Color Wheel



1 - Red



2 - Light Blue



3 - Green



4 - Orange



5 - Purple



6 - Dark Blue

### Replaceable Color Wheel



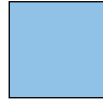
1 - Magenta



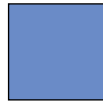
2 - Pink



3 - Minus Green



4 - CTB - 1



5 - CTB - 2



6 - Amber



## PHOTOMETRIC INFORMATION

### SolaWash 2000 - Ultra-Bright

Mode	Degree	Candela	Field Lumens	Power Consumption	Lumens Per Watt
Narrow	5	1,143,800	17,045	600	29
Medium	26	176,100	19,403	600	33
Wide	50	46,500	26,000	600	44

Metric conversions: For meters, multiply feet by 0.3048  
For lux, multiply footcandles by 10.76

#### NARROW ZOOM - 5 DEGREES

Throw Distance (d)	10ft	25ft	50ft	100ft	200ft
	3.0m	7.6m	15.2m	30.5m	61m
Field Diameter	0.9ft	2.2ft	4.4ft	8.7ft	17.5ft
	0.3m	0.7m	1.3m	2.7m	5.3m
Illuminance (fc)	15,312	2,450	613	154	39
Illuminance (lux)	164,754	26,361	6,590	1,648	412

#### MEDIUM ZOOM - 26 DEGREES

Throw Distance (d)	10ft	25ft	50ft	100ft	200ft
	3.0m	7.6m	15.2m	30.5m	61m
Field Diameter	4.6ft	11.5ft	23.1ft	46.2ft	92.3ft
	1.4m	3.5m	7.0m	14.1m	28.2m
Illuminance (fc)	1,761	282	71	18	5
Illuminance (lux)	18,947	3,032	758	189	47

#### WIDE ZOOM - 50 DEGREES

Throw Distance (d)	10ft	25ft	50ft	100ft	200ft
	3.0m	7.6m	15.2m	30.5m	61m
Field Diameter	9.3ft	23.3ft	46.6ft	93.3ft	186.5ft
	2.9m	7.1m	14.2m	28.4m	56.9m
Illuminance (fc)	1,025	164	41	11	3
Illuminance (lux)	6,020	963	241	60	15

To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared

For field diameter at any distance, multiply distance by 0.491  
For beam diameter at any distance, multiply by 0.274

### SolaWash 2000 - High CRI 6500k

Mode	Degree	Candela	Field Lumens	Power Consumption	Lumens Per Watt
Narrow	5	879,800	13,112	600	22
Medium	26	135,500	14,925	600	25
Wide	50	35,800	20,000	600	34

Metric conversions: For meters, multiply feet by 0.3048  
For lux, multiply footcandles by 10.76

#### NARROW ZOOM - 5 DEGREES

Throw Distance (d)	10ft	25ft	50ft	100ft	200ft
	3.0m	7.6m	15.2m	30.5m	61m
Field Diameter	2.17ft	4.33ft	6.5ft	8.66ft	10.83ft
	0.66m	1.32m	1.98m	2.64m	3.3m
Illuminance (fc)	8,797	1,407	352	88	22
Illuminance (lux)	94,664	15,146	3,787	947	237

#### MEDIUM ZOOM - 26 DEGREES

Throw Distance (d)	10ft	25ft	50ft	100ft	200ft
	3.0m	7.6m	15.2m	30.5m	61m
Field Diameter	4.6ft	11.5ft	23.1ft	46.2ft	92.3ft
	1.4m	3.5m	7.0m	14.1m	28.2m
Illuminance (fc)	1,355	217	55	14	4
Illuminance (lux)	14,575	2,332	583	146	36

#### WIDE ZOOM - 50 DEGREES

Throw Distance (d)	10ft	25ft	50ft	100ft	200ft
	3.0m	7.6m	15.2m	30.5m	61m
Field Diameter	9.3ft	23.3ft	46.6ft	93.3ft	186.5ft
	2.9m	7.1m	14.2m	28.4m	56.9m
Illuminance (fc)	358	58	15	4	1
Illuminance (lux)	3846	615	154	38	10

To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared

For field diameter at any distance, multiply distance by 0.491  
For beam diameter at any distance, multiply by 0.274



## PHOTOMETRIC INFORMATION

### SolaWash 2000 - High CRI 3200k

Mode	Degree	Candela	Field Lumens	Power Consumption	Lumens Per Watt
Narrow	5	879,800	13,112	600	22
Medium	26	135,500	14,925	600	25
Wide	50	35,800	20,000	600	34

Metric conversions: For meters, multiply feet by 0.3048  
For lux, multiply footcandles by 10.76

#### NARROW ZOOM - 5 DEGREES

Throw Distance (d)	10ft 3.0m	25ft 7.6m	50ft 15.2m	100ft 30.5m	200ft 61m
Field Diameter	2.17ft 0.66m	4.33ft 1.32m	6.5ft 1.98m	8.66ft 2.64m	10.83ft 3.3m
Illuminance (fc)	5,938	952	237	60	15
Illuminance (lux)	63,898	10,224	2,556	639	160

#### MEDIUM ZOOM - 26 DEGREES

Throw Distance (d)	10ft 3.0m	25ft 7.6m	50ft 15.2m	100ft 30.5m	200ft 61m
Field Diameter	4.6ft 1.4m	11.5ft 3.5m	23.1ft 7.0m	46.2ft 14.1m	92.3ft 28.2m
Illuminance (fc)	914	146	36	9	2
Illuminance (lux)	9,838	1,574	394	98	25

#### WIDE ZOOM - 50 DEGREES

Throw Distance (d)	10ft 3.0m	25ft 7.6m	50ft 15.2m	100ft 30.5m	200ft 61m
Field Diameter	9.3ft 2.9m	23.3ft 7.1m	46.6ft 14.2m	93.3ft 28.4m	186.5ft 56.9m
Illuminance (fc)	241	39	10	3	1
Illuminance (lux)	2,596	415	104	26	6

To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared

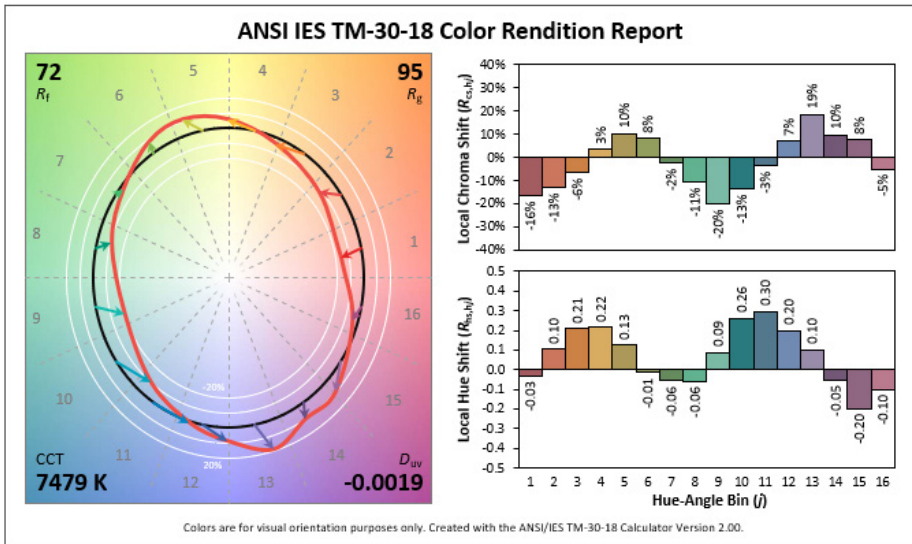
For field diameter at any distance, multiply distance by 0.491

For beam diameter at any distance, multiply by 0.274



## COLOR METRIC INFORMATION

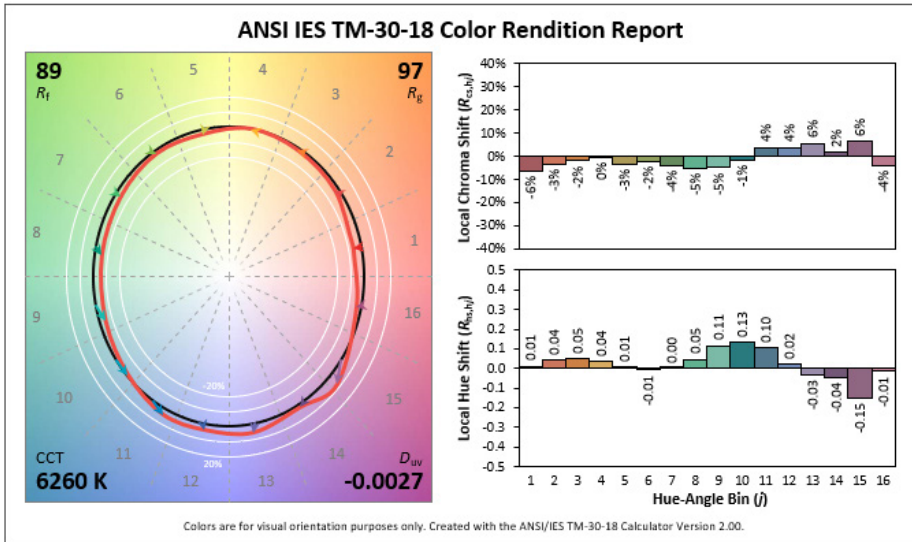
Ultra-Bright Engine



### Additional Color Metrics

	SOLAWASH 2000 ULTRA-BRIGHT ENGINE
CRI R <sub>a</sub> (R <sub>9</sub> )	73.5 (-10.9)
TLCI	50

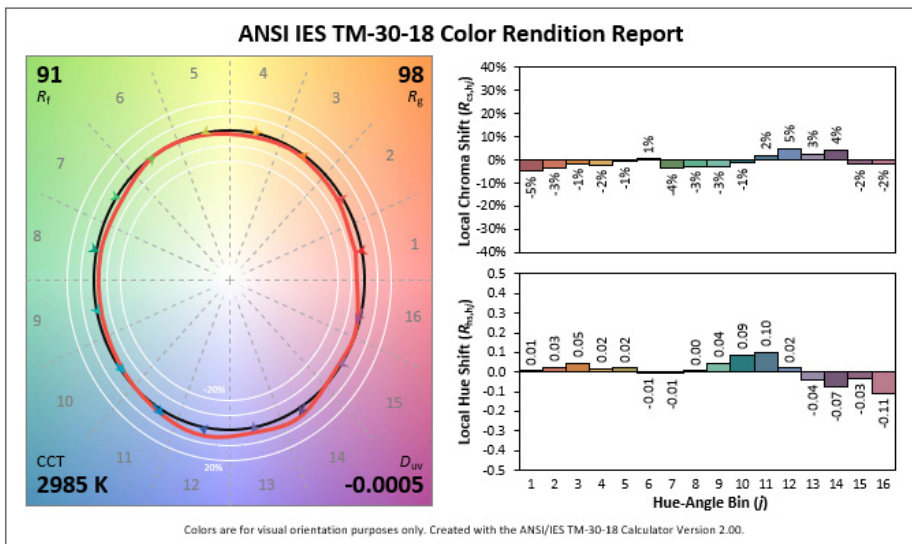
High CRI 6500k



### Additional Color Metrics

	SOLAWASH 2000 HIGH CRI 6500K
CRI R <sub>a</sub> (R <sub>9</sub> )	92.1 (63.3)
TLCI	88

High CRI 3200k



### Additional Color Metrics

	SOLAWASH 2000 HIGH CRI 3200K
CRI R <sub>a</sub> (R <sub>9</sub> )	92.6 (63.9)
TLCI	93

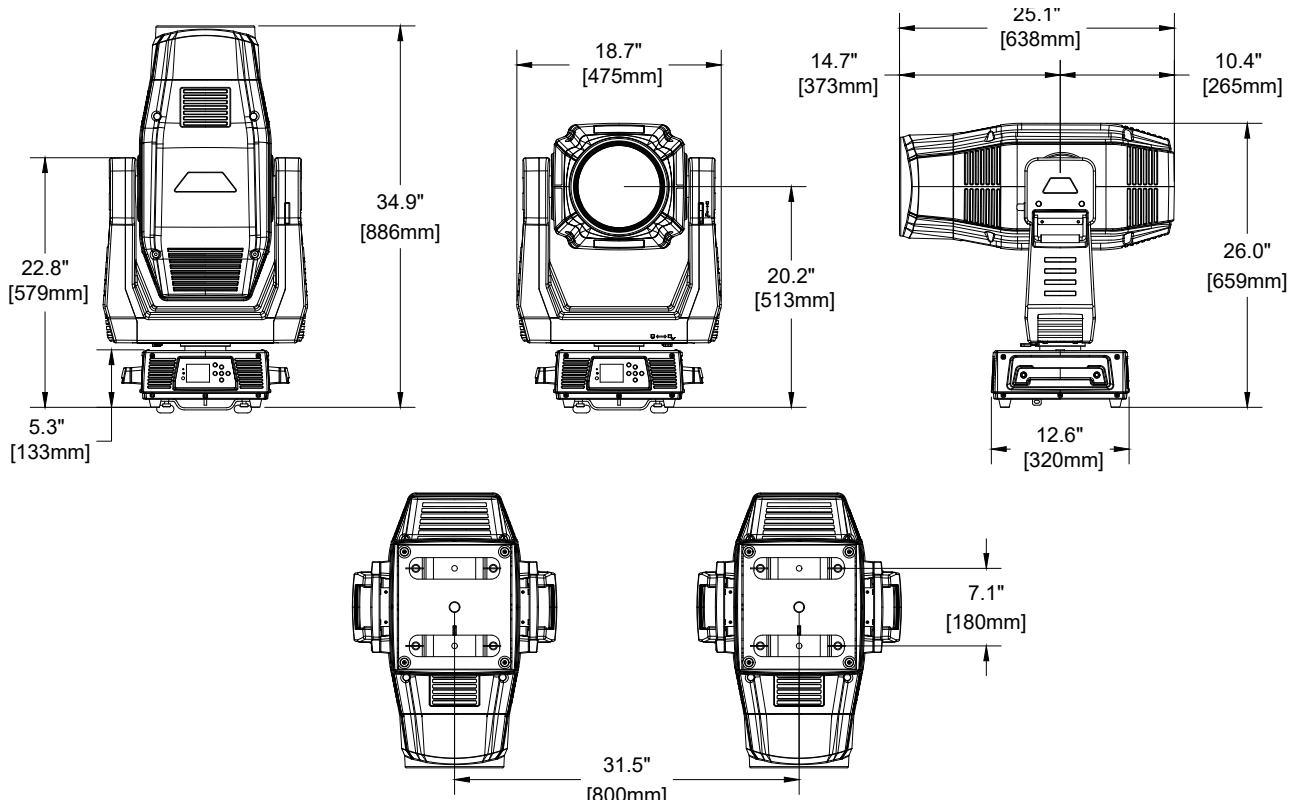


## PHYSICAL INFORMATION

### SOLAWASH 2000 DIMENSIONS

MODEL	HEIGHT		WIDTH		DEPTH		WEIGHT	
	in	mm	in	mm	in	mm	lb	kg
SolaWash 2000*	34.9	886	15.3	389	12.6	320	92	42
SolaWash 2000 in Roadcase	30	726	22	558.8	40	1016	200	90.72

\*Does not include mounting hardware





## ADDITIONAL ORDERING INFORMATION

### Additional Accessories

MODEL	DESCRIPTION
H7500001	Extra Omega Clamp Brackets
12040001	Galvanized Safety Cable w/Spring Snap

### Roadcase Dimensions

