WS
led wallpacks

The Simkar WS LED Series of traditionally-styled LED wallpacks replaces 100W to 400W metal halide wall mounted fixtures while consuming up to 75% less energy and operating for up to 100,000 hours (L70). Powered by high performance, energy-efficient LEDs, WS LED wallpacks produce bright, long-lasting illumination, reducing shadows and creating a safer nighttime environment while saving energy and maintenance costs. The footprint allows for replacement of HID fixtures without painting or patching.

Project

Catalog Number

Type

Date

- Traditional design, familiar footprint
- Up to 75% energy savings vs. traditional HID sources
- Up to 100,000 hour operating life (L70)

- Available in 5000K (standard)
- Excellent >80 CRI
- LED technology provides Instant-on operation

HOUSING / LENS Bronze powder coat die cast aluminum housing for a high quality finish, excellent heat dissipation, and durability. Borosilicate prismatic glass lens with weatherproof silicone gasketing to seal out contaminants. The WSM approximate shipping weight is 13 lbs. The WSL approximate shipping weight is 28 lbs.

LEDS WS LED wallpacks are available in 5 light levels (delivered): 2,040 lumens (24W), 2,710 lumens (37W), 4,120 lumens (54W), 5,780 lumens (71W), and 7,560 lumens (95W) at 5000K (standard), >80 CRI. Operating life is up to 100,000 hours L70. Light engines consist of multi chip packages mounted to a metal core PCB and integral aluminum heat sink.

ELECTRICAL Power supply is 120-277V. Power factor is >0.9. Power supply is mounted in direct contact with aluminum housing for cooler operation and longer life. 20W, 30W, 70W, and 90W fixtures use a 28W, 700mA power supply. 50W fixture uses 1 58W 1.5A power supply. The WS
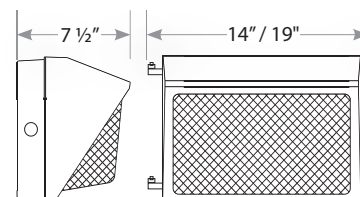
LED Series is suitable for use in operating temperatures of -13˚F (-25˚C) to 95˚F (35˚C).

ACCESS / WIRING The side-hinged door opens easily using two captive stainless steel screws to provide easy access to internal components. Wiring options include mounting over a 4" recessed junction box or surface mounting using convenient conduit entries located on sides of fixture. Top conduit entry provided for optional photocell.

MOUNTING The recommended wall mounting height of the WSM LED is 8 ft to 18 ft. The recommended mounting height of the WSL LED is 18 ft to 25 ft.

LISTINGS C-UL-US Listed wet location.

WARRANTY 5 year limited warranty.

7 ½" — 14" / 19"

RoHS COMPLIANT · c(UL)us · LED

WS LED Wall Pack Configuration

SERIES	INPUT POWER*	VOLTAGE	OPTIONS
WSMLED = 14" Housing **WSLLED** = 19" Housing	*WSM* **26** = 24W **30** = 37W **50** = 54W *WSL* **70** = 71W **96** = 95W	**U** = Universal 120-277V	**WT** = White Housing **BK** = Black Housing **(X)B** = Button Photocell; designate voltage: **1** = 120V, **2** = 277V **ELS** = Emergency Backup

* See performance table for actual power consumption

ACCESSORIES
For (x) below, please use (M) for WSM or (L) for WSL **WG(x)** = Wire Guard **PG(x)** = Polycarbonate Guard (vandal shield) **WS(x)–TS** = Tamperproof Screws **WS(x)–TSD** = Tamperproof Screws & screwdriver *Glare Shields* **WS(x)–GS** = Side Cutoffs **WS(x)–GSF** = Full Cutoff

FOR CUSTOM OPTIONS AND ACCESSORIES, CONTACT FACTORY. SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
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Performance Data

Model	Input Power (w)	Efficacy (lm/W)	Light Output (lm)	Drive Current (mA)	IES Distribution	B	U	G	Color Temperature	Operating Life (L70)	Operating Temperature
WSMLED26U	23.9	85.5	2041		Type IV	0	3	2		50,000 hrs	
WSMLED30U	36.8	74.6	2714		Type IV	1	3	3		50,000 hrs	
WSMLED50U	53.9	76.3	4117	700	Type IV	3	1	3	5000K		-13°F (-25°C) to 95°F (35°C)
WSLLED70U	71.1	81.2	5777		Type IV	1	4	4		100,000 hrs	
WSLLED96U	94.5	80.0	7564		Type IV	1	5	4		50,000 hrs	

*Delivered lumens
** Consult a lighting engineer to meet specific requirements

Accessories

For (x) below, please use (M) for WMS or (L) for WSL

WG(x)
Wire guard

PG(x)
Polycarbonate Guard (vandal shield)

WS(x) TSD
Tamperproof Screws & Drivers

WS(x) - GS
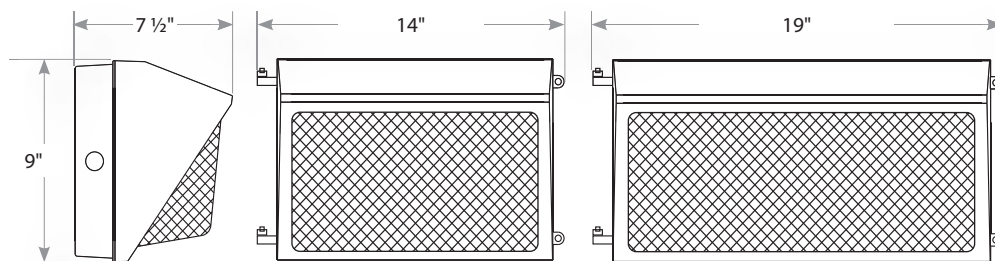Side Cutoff Glare Shield

WS(x) - GSF
Full Cutoff Glare Shield

WS(x) TS
Tamperproof Screws

Dimensions

WSM LED

WSL LED

Photometric Data

Luminaire Data   WSM 26W 5000K (14" Wide)

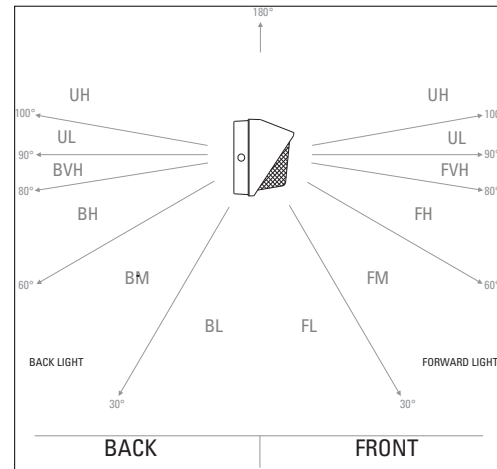Formed aluminum housing, clear glass prismatic lens

Catalog Number	**WSMLED26U**
Lab Test#	936623
(#) Power Supply	(1) Constant Current 700mA
# LED	50 white LEDs
Color Temperature	5000K
Input Watts	23.89
Delivered Lumens	2041
Operating Life	50,000 hrs. (L70)
Fixture Efficacy	85.5 lm/W
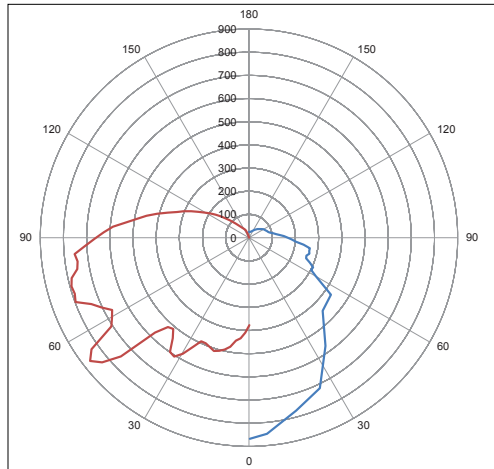
IES BUG ratings (backlight, uplight, glare) Per IES TM-15-11

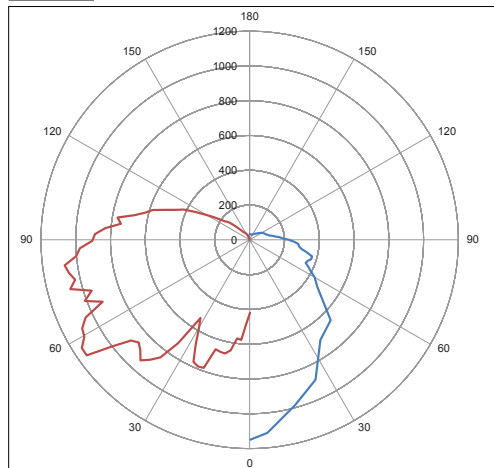| WS LED Wall Pack		
Luminaire Classification System	**Lumens**	**Luminaire %**
FL (0-30 Degrees)	184.3	9.0%
FM (30-60 Degrees)	526.5	25.8%
FH (60-80 Degrees)	458.3	22.4%
FVH (80-90 Degrees)	217.6	10.7%
BL (0-30 Degrees)	86.0	4.2%
BM (30-60 Degrees)	94.7	4.6%
BH (60-80 Degrees)	31.0	1.5%
BVH (80-90 Degrees)	7.7	0.4%
UL (90-100 Degrees)	170.9	8.4%
UH (100-180 Degrees)	264.5	13.0%
Total	2041.4	100.0%
BUG Rating	**B0 U3 G2**	

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Photometric Data

Luminaire Data   WSM 30W 5000K (14" Wide)

Formed aluminum housing, clear glass prismatic lens

Catalog Number	**WSMLED30U**
Lab Test#	1188166
(#) Power Supply	(2) Constant Current 700mA
# LED	75 white LEDs
Color Temperature	5000K
Input Watts	36.80
Delivered Lumens	2714
Operating Life	50,000 hrs. (L70)
Fixture Efficacy	74.6 lm/W

IES BUG ratings (backlight, uplight, glare) Per IES TM-15-11

WS LED Wall Pack		
Luminaire Classification System	**Lumens**	**Luminaire %**
FL (0-30 Degrees)	249.1	9.2%
FM (30-60 Degrees)	694.3	25.6%
FH (60-80 Degrees)	616.4	22.7%
FVH (80-90 Degrees)	280.1	10.3%
BL (0-30 Degrees)	117.7	4.3%
BM (30-60 Degrees)	123.9	4.6%
BH (60-80 Degrees)	35.7	1.3%
BVH (80-90 Degrees)	8.9	0.3%
UL (90-100 Degrees)	226.2	8.3%
UH (100-180 Degrees)	361.3	13.3%
Total	2713.6	100.0%
BUG Rating	**B1 U3 G3**	

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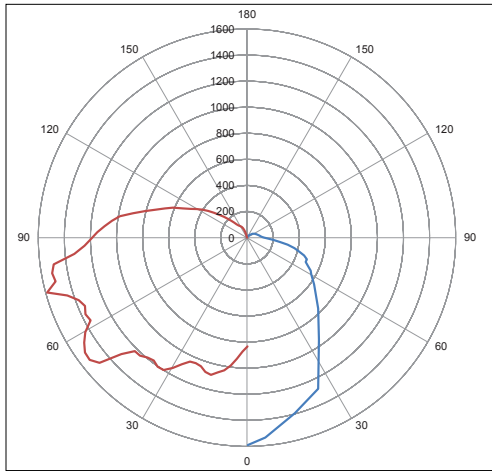
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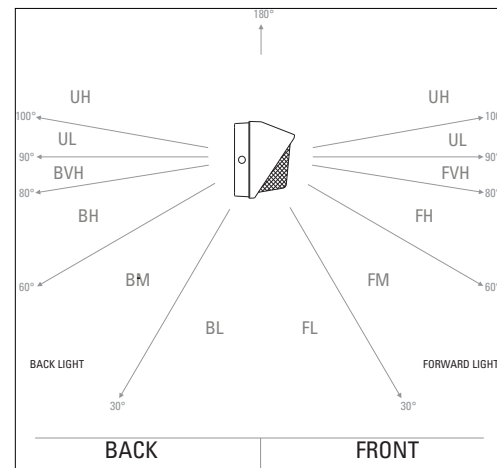
Photometric Data

Luminaire Data   WSM 50W 5000K (14" Wide)

Formed steel housing, clear linear prismatic lens enclosure

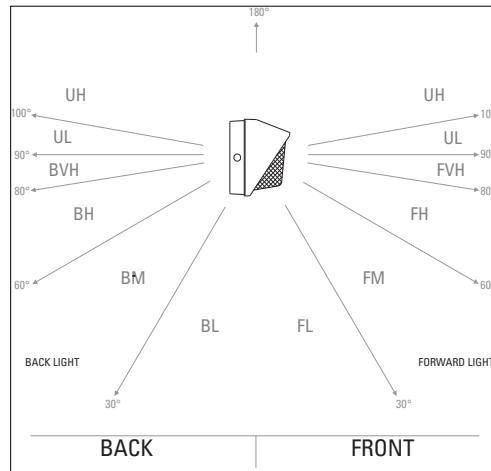| Catalog Number	**WSMLED50U**
Lab Test#	936624
(#) Power Supply	(2) Constant Current 700mA
# LED	100 white LED
Color Temperature	5000K
Input Watts	53.97
Delivered Lumens	4117
Operating Life	50,000 hrs. (L70)
Fixture Efficacy	76.3 lm/W

IES BUG ratings (backlight, uplight, glare) Per IES TM-15-11

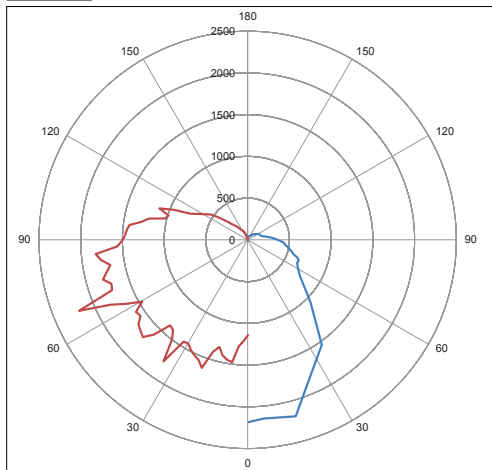| WS LED Wall Pack		
Luminaire Classification System	**Lumens**	**Luminaire %**
FL (0-30 Degrees)	396.6	9.6%
FM (30-60 Degrees)	1058.8	25.7%
FH (60-80 Degrees)	885.9	21.5%
FVH (80-90 Degrees)	410	10.0%
BL (0-30 Degrees)	205.4	5.0%
BM (30-60 Degrees)	210.1	5.1%
BH (60-80 Degrees)	60.6	1.5%
BVH (80-90 Degrees)	15	0.4%
UL (90-100 Degrees)	322.2	7.8%
UH (100-180 Degrees)	552.1	13.4%
Total	4116.7	100.0%
BUG Rating	**B1 U4 G3**	

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Photometric Data

Luminaire Data   WSL 70W 5000K (19" Wide)

Formed steel housing, clear linear prismatic lens enclosure

Catalog Number	**WSMLED70U**
Lab Test#	1107461
(#) Power Supply	(3) Constant Current 700mA
# LED	150 white LEDs
Color Temperature	5000K
Input Watts	71.10
Delivered Lumens	5777
Operating Life	100,000 hrs. (L70)
Fixture Efficacy	81.2 lm/W

IES BUG ratings (backlight, uplight, glare) Per IES TM-15-11

WS LED Wall Pack		
Luminaire Classification System	**Lumens**	**Luminaire %**
FL (0-30 Degrees)	581.3	10.1%
FM (30-60 Degrees)	1373.8	23.8%
FH (60-80 Degrees)	1134.5	19.6%
FVH (80-90 Degrees)	548.1	9.5%
BL (0-30 Degrees)	311.6	5.4%
BM (30-60 Degrees)	351.7	6.1%
BH (60-80 Degrees)	103.1	1.8%
BVH (80-90 Degrees)	21.3	0.4%
UL (90-100 Degrees)	463.5	8.0%
UH (100-180 Degrees)	887.8	15.4%
Total	5776.8	100.0%
BUG Rating	**B1 U4 G4**	

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