

DESCRIPTION

Westwood 904 and 904-2 are small dimmable 50 MR16 or LED luminaires. Model 904 provides downlight or uplight. Model 904-2 provides combination uplight and downlight. A square shroud option (-SQS) is available in both models, offering rectilinear styling instead of cylindrical. Both models mount directly to any wall surface or over a standard 4-inch J-box and require a remote 12-volt step-down transformer (not included). Various lenses, louvers, and color or dichroic filters can be combined - up to three at once - to create multiple lighting effects.

SPECIFICATION FEATURES

Material

Housing and hood are precision-machined from corrosion-resistant 6061-T6 aluminum billet, brass, bronze* or stainless steel. Mounting canopy is constructed from corrosion-resistant silicone aluminum, brass, bronze* or stainless steel.

Finish Painted

Fixtures constructed from 6061-T6 aluminum are double protected by an ROHS* compliant chemical film undercoating and polyester powdercoat paint finish, surpassing the rigorous demands of the outdoor environment. A variety of standard colors are available. Brass, Bronze,* Copper or Stainless Steel fixtures are left unpainted to reveal the natural beauty of the material will patina naturally over time.

Hood

Hood is removable for easy relamping and accepts up to three internal accessories at once (lenses, louvers, filters) to achieve multiple lighting effects. Weep holes prevent water collection on the uplight position.

Gasket

Housing and hood are sealed with a high temperature silicone o-ring gasket to prevent water intrusion.

Lens

Tempered glass lens, factory sealed with high temperature adhesive to prevent water intrusion and breakage due to thermal shock.

Mounting

Both models mount directly to wall surface or over a standard 4" J-box and require remote 12V step-down transformer (not included). Model 904 provides downlight or uplight. Model 904-2 provides non-adjustable uplight and downlight. Lumière's exclusive Siphon Protection System (S.P.S.) prevents water from siphoning into the fixture through its own lead wires.

Hardware

Stainless steel hardware is standard to provide maximum corrosion-resistance.

Socket

Ceramic socket with 250° C Teflon® coated lead wires and GU5.3 bi-pin base.

Electrical

Remote 12V transformer required (not included). Initial power draw on LED equipped fixtures is 12 watts. When sizing transformer use 12 watts per LED fixture. Nominal power draw after start up is 8 watts. Also, LEDs

are more voltage sensitive than standard halogen MR16 lamps. The LED module is designed to operate within the range 12V +/- 1.2V. Any less or more voltage can cause premature failures.

Lamp

Halogen lamp not included. LED modules are included and are available in four color temperatures (2700, 3000, and 4000) and three distributions (spot, narrow, and flood). Both color temperature and distribution must be specified when ordering.

Labels & Approvals

UL and cUL listed, standard wet label. IP65 rated. Manufactured to ISO 9001-2000 Quality Systems Standard.

Warranty

Lumière warrants its fixtures against defects in materials & workmanship for three (3) years. Auxiliary equipment such as transformers, ballasts and lamps carry the original manufacturer's warranty.



904 904-2 WESTWOOD

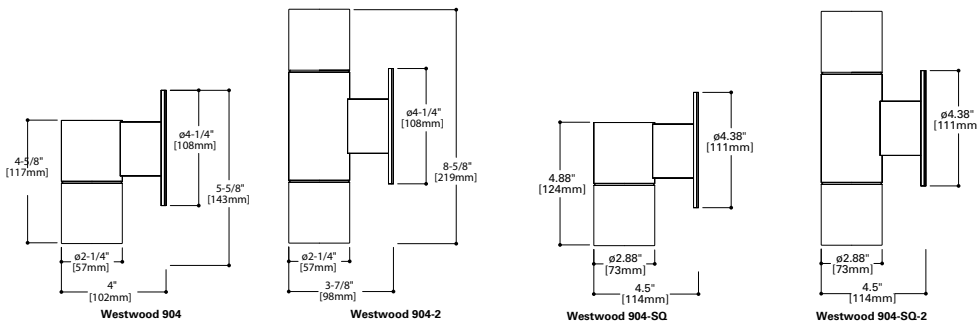
8W LED
Wall

IP65
ROHS* Compliant



TECHNICAL Data

8W LED, L70/60,000 hours at 25°C
Low Voltage: 50W Halogen MR16



ORDERING INFORMATION

Domestic Preferences ²	Series	Source (for LED, select from each column and combine)	Voltage	Finish		
[Blank]=Standard BAA=Buy American Act	904 =LED Westwood Up or Down Wall Fixture Single 904-2 =MR16 Westwood Up/Down Wall Fixture-Dual Head Round 904-UD =LED Westwood Up/Down Wall Fixture-Dual Head, Round 904-SQ-2 =MR16 Westwood Up/Down Wall Fixture-Single Head, Square 904-SQ-UD =LED Westwood Up/Down Wall Fixture-Dual Head, Square	50MR16 =50W max. Halogen MR16 (lamp not included)	12 =12V	Painted BK=Black BZ=Bronze CS=City Silver VE=Verde WT=White Premium Finish NBR=Natural Brass NCP=Natural Copper NBZ=Natural Bronze* NSS=Natural Stainless Steel		
		8LED =8W LED			27 =2700K 30 =3000K 40 =4000K	10 =10° Spot 25 =25° Narrow 36 =36° Wide
		5LED =5W LED			AM =Amber (585-595nm)	25 =25° Narrow

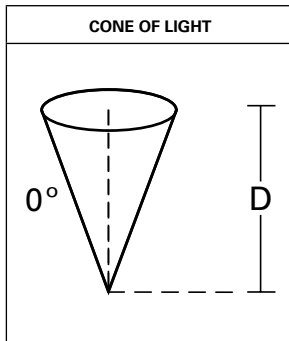
NOTES: 1 Consult factory for other voltages. 2 Only product configurations with this designated prefix are built to be compliant with the Buy American Act of 1933 (BAA). Please refer to [DOMESTIC PREFERENCES](#) website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. 3. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.

OPTICAL ACCESSORIES - ORDER SEPARATELY

Filters (2.00" Diameter)	Optical Lenses (2.00" Diameter)	Optical Louvers (2.00" Diameter)
F71 = Peach Dichroic F72 = Amber Dichroic F73 = Green Dichroic F74 = Medium Blue F75 = Yellow Dichroic F76 = Red Dichroic F77 = Dark Blue Dichroic F78 = Light Blue Dichroic F79 = Neutral Density Dichroic F80 = Magenta Dichroic F22 = Red Color F33 = Blue Color F44 = Green Color F55 = Yellow Color F66 = Mercury Vapor	LSL =Linear Spread Lens (elongates standard beam spread) DIF =Diffused Lens (provides even illumination) OSL =Overall Spread Lens (increases standard beam spread)	LVR =45° Hex Cell Louver (reduces glare)

WESTWOOD 904 MR16 HALOGEN PHOTOMETRY DATA

Horizontal Illuminance on Surface - Westwood 904 Standard Recessed Hood - 50W MR16



Filename	904-50MR16-12-BK-NSP.ies	
Lamp	50W MR16 NSP	
CBCP	11,000	
D	FC	Beam Diameter
2'	2550	1'6"
4'	638	1'0"
6'	283	1'6"
8'	159	2'0"
10'	102	3'0"
15'	45	4'0"

Filename	904-50MR16-12-BK-NFL.ies	
Lamp	50W MR16 NFL	
CBCP	3,200	
D	FC	Beam Diameter
2'	725	1'0"
4'	181	2'6"
6'	81	4'0"
8'	45	5'0"
10'	29	6'6"
15'	13	10'0"

CCT MULTIPLIER TABLE

LAMP WATTAGE	MULTIPLIER
20W	0.32
35W	0.57

Filename	904-50MR16-12-BK-FL.ies	
Lamp	50W MR16 FL	
CBCP	2,000	
D	FC	Beam Diameter
2'	431	1'6"
4'	106	3'0"
6'	48	5'0"
8'	27	6'6"
10'	17	8'0"
15'	7	12'0"

Filename	904-50MR16-12-BK-WFL.ies	
Lamp	50W MR16 WFL	
CBCP	1,200	
D	FC	Beam Diameter
2'	269	2'0"
4'	67	4'6"
6'	30	7'6"
8'	17	9'0"
10'	11	11'6"
15'	5	17'0"

NOTES AND FORMULAS

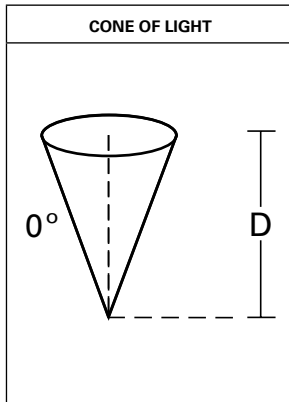
- Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot.
- Footcandle values are initial. Apply appropriate light loss factors where necessary.
- Bare lamp data shown. Consult lamp manufacturers to obtain detailed specifications for their lamps.

WESTWOOD 904 LED PHOTOMETRY DATA

LED Lumen and CBCP Table - 4000K
8W LED

		Flush Hood			Regressed Hood (black)			Regressed Hood (silver)		
		CBCP	LUMENS	LPW	CBCP	LUMENS	LPW	CBCP	LUMENS	LPW
10	BASE	5980	351.3	43.6	5541	298.5	37.1	5052	296.9	39.7
	+DIFF	985	286.9	35.8	968	220.4	27.4	930	233.2	31.2
	+LSL	1310	309.9	38.6	1299	253.1	31.4	1200	252.7	33.8
	+LVR	5270	243.0	30.6	4838	235.3	29.2	4633	225.1	30.1
	+OSL	1686	328.6	41.4	1700	285.7	35.5	1609	291.1	39
25	BASE	2690	417.2	53.5	2559	374.2	47.4	2357	361.8	49.4
	+DIFF	761	338.6	43.4	729	267.7	33.9	720	281.4	36.2
	+LSL	795	375.1	48.1	778	316.3	40.2	719	312.0	42.2
	+LVR	2396	285.9	36.7	2294	272.4	34.1	2092	253.3	35.3
	+OSL	1452	383.4	49.1	1414	345.0	43.8	1328	341.2	45.2
36	BASE	1144	409.2	53.1	1125	369.1	47.6	1080	371.7	49
	+DIFF	542	336.3	43.6	532	264.3	34.1	502	268.6	35.1
	+LSL	486	371.1	48.2	480	305.6	39.4	484	317.4	41.7
	+LVR	1030	267.9	34.8	996	252.1	32.4	967	251.8	33.1
	+OSL	930	384.3	49.9	932	337.8	43.6	910	348.6	45.7

Horizontal Illuminance on Surface - Westwood 904 Standard Recessed Hood -4000K



Filename: 904-SS-8LED4010-12-BK.IES			
Test No.: G2-1802-569-4			
Distance	FC	Beam Diameter	
2'	1385.2	0.4	
4'	346.3	0.8	
6'	153.9	1.2	
8'	86.6	1.6	
10'	55.4	2	
15'	24.6	3.2	
20'	13.9	4.2	
30'	6.2	6.4	
40'	3.5	8.4	

Filename: 904-SS-8LED4025-12-BK.ies			
Test No.: G2-1802-569-5			
Distance	FC	Beam Diameter	
2'	639.8	0.6	
4'	159.9	1.2	
6'	71.1	1.8	
8'	40	2.4	
10'	25.6	3	
15'	11.4	4.6	
20'	6.4	6	
30'	2.8	9.2	
40'	1.6	12.2	

Filename: 904-SS-8LED4036-12-BK.ies			
Test No.: G2-1802-569-6			
Distance	FC	Beam Diameter	
2'	281.2	1	
4'	70.3	2.2	
6'	31.2	3.4	
8'	17.6	4.6	
10'	11.2	5.8	
15'	5	8.6	
20'	2.8	11.6	
30'	1.2	17.4	
40'	0.7	23.2	

CCT MULTIPLIER TABLE

CCT(K) / COLOR	MULTIPLIER
2700K	0.91
3000K	0.89
4000K	1.00

Note: Multiplier can be used to calculate center beam candle power (CBCP), Lumens and footcandle (FC) values.

TECHNICAL INFORMATION

1. Dimming is dependant on remote transformer compatibility with LED module. Please see [compatibility matrix](#) for dimmer switch and transformer selection.
2. IMPORTANT: When sizing transformer use 12 watts per LED fixture. Nominal power draw after start up is 8 watts. Any less or more voltage can cause premature failures.