

DESCRIPTION

Westwood 904 and 904-2 are small dimmable LED or MR16 low-voltage halogen luminaires. Model 904 provides downlight or uplight by way of its 180° rotational fixture head. 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

A ... 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.

B ... 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 or Stainless Steel Fixtures constructed from brass, bronze or stainless steel are left unpainted to reveal the natural beauty of the material. Brass and bronze will patina naturally over time.

C ... 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.

D ... Gasket

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

E ... Lens

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

F ... 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.

G ... Hardware

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

H ... Socket

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

I ... Electrical

Remote 12V transformer required (not included). NOTE: initial power draw on LED equipped fixtures is 15 watts. When sizing transformer use 15 watts per LED fixture. Nominal power draw after start up is 10 or 6 watts accordingly. Also, LEDs are more voltage sensitive than standard halogen MR16 lamps. The LED module is designed to operate between 10 and 13 volts. Any less or more voltage can cause premature failures.

J ... Lamp

Halogen lamp not included. Available from Lumière as an accessory - see reverse side for details and catalog logic. LED modules are included and are available in four color temperatures (2700,3000,4000, and 5700) and three distributions (spot, narrow, and flood). Both color temperature and distribution must be specified when ordering - see reverse side for details and catalog logic.

K ... Labels & Approvals

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

L ... 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.



WESTWOOD

904

904-2

10W LED

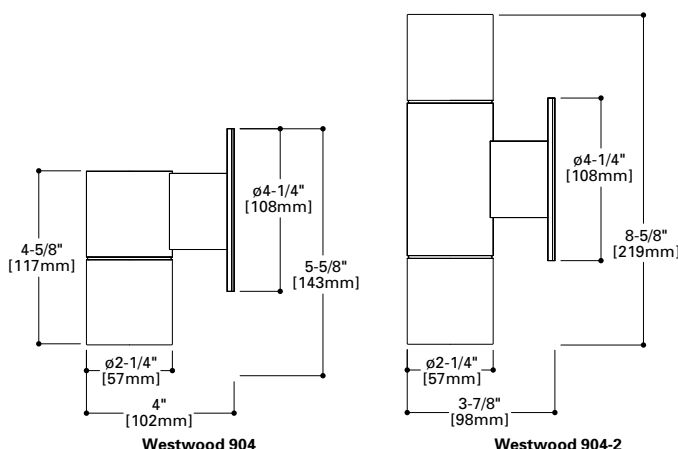
6W LED

50W (max.) MR16

Low Voltage

Wall

IP65



Westwood 904/904-2

Lamp=50MR16/NSP
(EXT)
CBCP=11,000

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
15'0"	45	4'0"
10'0"	102	3'0"
8'0"	159	2'0"
6'0"	283	1'6"
4'0"	638	1'0"
2'0"	2550	0'6"

Lamp Wattage Multiplier
20W x 0.32

**Westwood 904/904-2**

Lamp=50MR16/NFL
(EXZ)
CBCP=3200

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
15'0"	13	10'0"
10'0"	29	6'6"
8'0"	45	5'0"
6'0"	81	4'0"
4'0"	181	2'6"
2'0"	725	1'0"

**Westwood 904/904-2**

Lamp=50MR16/FL
(EXN)
CBCP=2000

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
15'0"	7	12'0"
10'0"	17	8'0"
8'0"	27	6'6"
6'0"	48	5'0"
4'0"	106	3'0"
2'0"	431	1'6"

Lamp Wattage Multiplier
35W x 0.57
20W x 0.30

**Westwood 904/904-2**

Lamp=50MR16/WFL
(FNV)
CBCP=1200

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
15'0"	5	17'0"
10'0"	11	11'6"
8'0"	17	9'0"
6'0"	30	7'0"
4'0"	67	4'6"
2'0"	269	2'0"



ORDERING INFORMATION

Series		Voltage		Accessories	
904 =LED or MR16 Westwood Up/Down Wall Fixture Single Head, Round		12 =12V		Glare Shield FH203 =Angled Glare Shield, MR16	
904-2 =MR16 Westwood Up/Down Wall Fixture - Dual Head, Round		Finish		Filters	
904-UD =LED or MR16 Westwood Up/Down Wall Fixture - Dual Head, Round		Painted		F71 =Peach Dichroic Filter, 2.00" Dia	
904-SQ =LED or MR16 Westwood Up/Down Wall Fixture-Single Head, Square		BK =Black		F73 =Green Dichroic Filter, 2.00" Dia	
904-SQ-UD =LED or MR16 Westwood Up/Down Wall Fixture - Dual Head, Square		BZ =Bronze		F75 =Yellow Dichroic Filter, 2.00" Dia	
		CS =City Silver		F77 =Dark Blue Dichroic Filter, 2.00" Dia	
		VE =Verde		F79 =Neutral Density Dichroic Filter, 2.00" Dia	
		WT =White		F22 =Red Color Filter, 2.00" Dia	
		Metal		F44 =Green Color Filter, 2.00" Dia	
		NBR =Brass		F66 =Mercury Vapor Color Filter, 2.00" Dia	
		NCP =Copper		Optical Lenses	
		NSS =Stainless Steel		LSL =Linear Spread Lens (elongate standard beam spread), 2.00" Dia	
				DIF =Diffused Lens (provide even illumination), 2.00" Dia	
				Optical Louver	
				LVR =Hex Cell Louver (reduce glare), 2.00" Dia	
				Lamps	
				EZX =20W MR16 GU5.3 Bi-Pin Very Narrow Spot	
				BAB =20W MR16 GU5.3 Bi-Pin Flood	
				FRA =35W MR16 GU5.3 Bi-Pin Spot	
				EXT =50W MR16 GU5.3 Bi-Pin Narrow Spot	
				EXN =50W MR16 GU5.3 Bi-Pin Flood	
				F72 =Amber Dichroic Filter, 2.00" Dia	
				F74 =Medium Blue Dichroic Filter, 2.00" Dia	
				F76 =Red Dichroic Filter, 2.00" Dia	
				F78 =Light Blue Dichroic Filter, 2.00" Dia	
				F80 =Magenta Dichroic Filter, 2.00" Dia	
				F33 =Blue Color Filter, 2.00" Dia	
				F55 =Yellow Color Filter, 2.00" Dia	
				OSL =Overall Spread Lens (increase beam spread), 2.00" Dia	
				ESX =20W MR16 GU5.3 Bi-Pin Narrow Spot	
				FRB =35W MR16 GU5.3 Bi-Pin Narrow Spot	
				FMW =35W MR16 GU5.3 Bi-Pin Flood	
				EXZ =50W MR16 GU5.3 Bi-Pin Narrow Flood	
				FNV =50W MR16 GU5.3 Bi-Pin Very Wide Flood	

- Notes:
- * Lamp not included.
 - * 12V remote transformer required - not included.
 - * See ACCESSORIES & TECHNICAL DATA section of the Lumière catalog for Low Voltage Cable & Transformers.
 - * Consult your Cooper Lighting representative for additional options and finishes.

LAMP INFORMATION

Lamp	Watts	Beam Spread	CBCP	°K	Life (hrs.)	Base	Volts
6LED2712	6	12°	3358	2700	50000	GU5.3 bi-pin	12
6LED2721	6	21°	937	2700	50000	GU5.3 bi-pin	12
6LED2741	6	41°	472	2700	50000	GU5.3 bi-pin	12
6LED3012	6	12°	3694	3000	50000	GU5.3 bi-pin	12
6LED3021	6	21°	1019	3000	50000	GU5.3 bi-pin	12
6LED3041	6	41°	646	3000	50000	GU5.3 bi-pin	12
6LED4012	6	12°	4280	4000	50000	GU5.3 bi-pin	12
6LED4021	6	21°	1179	4000	50000	GU5.3 bi-pin	12
6LED4041	6	41°	754	4000	50000	GU5.3 bi-pin	12
6LED5712	6	12°	4496	5700	50000	GU5.3 bi-pin	12
6LED5721	6	21°	1275	5700	50000	GU5.3 bi-pin	12
6LED5741	6	41°	792	5700	50000	GU5.3 bi-pin	12
10LED2712	10	12°	5037	2700	50000	GU5.3 bi-pin	12
10LED2721	10	21°	1406	2700	50000	GU5.3 bi-pin	12
10LED2741	10	41°	708	2700	50000	GU5.3 bi-pin	12
10LED3012	10	12°	5513	3000	50000	GU5.3 bi-pin	12
10LED3021	10	21°	1521	3000	50000	GU5.3 bi-pin	12
10LED3041	10	41°	964	3000	50000	GU5.3 bi-pin	12
10LED4012	10	12°	6389	4000	50000	GU5.3 bi-pin	12
10LED4021	10	21°	1759	4000	50000	GU5.3 bi-pin	12
10LED4041	10	41°	1125	4000	50000	GU5.3 bi-pin	12
10LED5712	10	12°	6711	5700	50000	GU5.3 bi-pin	12
10LED5721	10	21°	1903	5700	50000	GU5.3 bi-pin	12
10LED5741	10	41°	1182	5700	50000	GU5.3 bi-pin	12
50MR16/NSP	50	12°	11,000	3050	4000	GU5.3 bi-pin	12
50MR16/NSL	50	25°	3200	3050	4000	GU5.3 bi-pin	12
50MR16/FL	50	40°	2000	3050	4000	GU5.3 bi-pin	12
50MR16/WFL	50	60°	1200	3050	4000	GU5.3 bi-pin	12

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.