

DESCRIPTION

Westwood 903 and 903-2 are ultra-compact LED or MR16 line voltage fixtures with integral 12V step down transformer. Both mount directly over any standard 4" wall mounted J-box. Various lenses, louvers and color or dichroic filters can be combined - up to three at once - to create multiple lighting effects. Lumière's exclusive Siphon Protection System (S.P.S.) prevents water from siphoning into the fixture through its own lead wires.

Catalog #	Type
Project	
Comments	Date
Prepared by	

SPECIFICATION FEATURES

A ... Material

Housing, hood and mounting stem are precision machined from corrosion-resistant 6061-t6 aluminum billet, C360 brass, C932 bronze, or C110 copper. Mounting canopy is constructed from corrosion-resistant silicone aluminum, brass or copper.

B ... Finish Painted

Fixtures constructed from 6061-T6 aluminum are double protected by a chemical film undercoating and polyester powdercoat paint finish, surpassing the rigorous demands of the outdoor environment. A variety of standard colors are available. Brass or Copper Fixtures constructed from brass or copper are left unpainted to reveal the natural beauty of the material and 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 and mineral stains from collecting on the lens, even in the straight-up 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 & Adjustability

Both models mount over standard 4" J-box and are suitable for ceiling or wall mount applications. Integral 120/12V step down transformer connects directly to 120V line voltage. Fully adjustable side-mounted swivel stem provides 200° vertical tilt for easy aiming. Stainless steel aim-locking mechanisms are standard. 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

For halogen lamping, integral 50 VA class "H" 120/12V step down transformer is standard. For LED lamping, an integral magnetic 20VA 120 / 12V step down transformer is standard

J ... Lamp

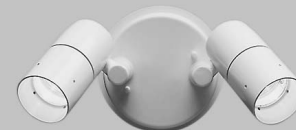
Halogen lamp not included. Available from Lumière as an accessory - see reverse side for details and catalog logic. LED Modules are included and are available in four color temperatures (2700, 3000, 4000 and 5700) and three distributions (spot, narrow and flood). Both color temperature and distribution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

K ... Labels & Approvals

UL and cUL listed, standard wet label. 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

903

903-2

10W LED

6W LED

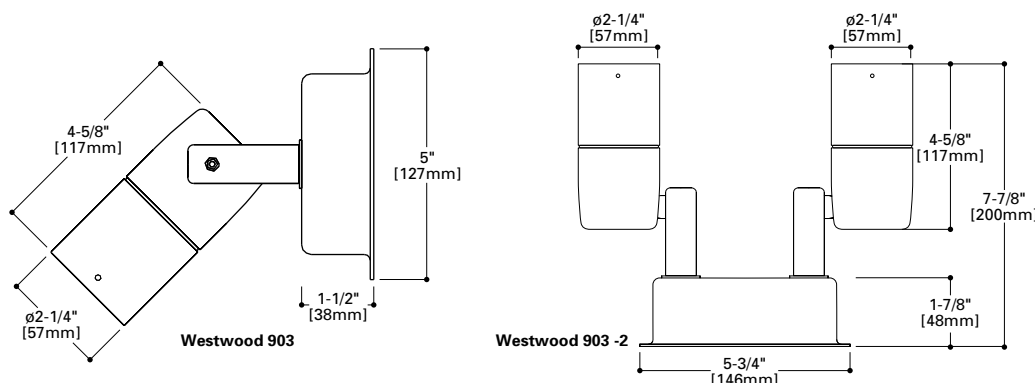
50W (max.) MR16

Halogen

Line Voltage

w/ Integral 12V transformer

Wall or Ceiling



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

PHOTOMETRIC DATA

Westwood 903/903-2 Cone of Light

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

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 903/903-2 Cone of Light

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

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 903/903-2 Cone of Light

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

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 903/903-2 Cone of Light

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

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"



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.

ORDERING INFORMATION

Sample Number: 903-2-6LED3012-120/12-CS-F70

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Series

903 = LED or MR16 Fully Adjustable Side Mounted Swivel Westwood Wall Fixture w/ Integral Transformer

Lamp Head Quantity

___ = One Lamp Head
2 = Two Lamp Heads

Source

50MR16 : 50W Max Halogen MR16, GU5.3 Base
6LED2712 : 6W 2700K, 12° Spot, GU5.3 Base
6LED2721 : 6W 2700K, 21° Narrow, GU5.3 Base
6LED2741 : 6W 2700K, 41° Wide, GU5.3 Base
6LED3012 : 6W 3000K, 12° Spot, GU5.3 Base
6LED3021 : 6W 3000K, 21° Narrow, GU5.3 Base
6LED3041 : 6W 3000K, 41° Wide, GU5.3 Base
6LED4012 : 6W 4000K, 12° Spot, GU5.3 Base
6LED4021 : 6W 4000K, 21° Narrow, GU5.3 Base
6LED4041 : 6W 4000K, 41° Wide, GU5.3 Base
6LED5712 : 16W 5700K, 12° Spot, GU5.3 Base
6LED5721 : 6W 5700K, 21° Narrow, GU5.3 Base
6LED5741 : 6W 5700K, 41° Wide, GU5.3 Base
10LED2712 : 10W 2700K, 12° Spot, GU5.3 Base
10LED2721 : 10W 2700K, 21° Narrow, GU5.3 Base
10LED2741 : 10W 2700K, 41° Wide, GU5.3 Base
10LED3012 : 10W 3000K, 12° Spot, GU5.3 Base
10LED3021 : 10W 3000K, 21° Narrow, GU5.3 Base
10LED3041 : 10W 3000K, 41° Wide, GU5.3 Base
10LED4012 : 10W 4000K, 12° Spot, GU5.3 Base
10LED4021 : 10W 4000K, 21° Narrow, GU5.3 Base
10LED4041 : 10W 4000K, 41° Wide, GU5.3 Base
10LED5712 : 10W 5700K, 12° Spot, GU5.3 Base
10LED5721 : 10W 5700K, 21° Narrow, GU5.3 Base
10LED5741 : 10W 5700K, 41° Wide, GU5.3 Base

Voltage

120/12 = 120 Volt to 12V Integral Step-down Transformer
230/12 = 230 Volt to 12V Integral Step-down Transformer
240/12 = 240 Volt to 12V Integral Step-down Transformer
277/12 = 277 Volt to 12V Integral Step-down Transformer

Finish

Painted

BK =Black
BZ = Bronze
CS = City Silver
VE = Verde
WT = White

Premium Finishes

NBR = Natural Brass
NCP = Natural Copper

Accessories

Filters

F71 =Peach Dichroic Filter, 2.00" Dia
F72 =Amber Dichroic Filter, 2.00" Dia
F73 =Green Dichroic Filter, 2.00" Dia
F74 =Medium Blue Dichroic Filter, 2.00" Dia
F75 =Yellow Dichroic Filter, 2.00" Dia
F76 =Red Dichroic Filter, 2.00" Dia
F77 =Dark Blue Dichroic Filter, 2.00" Dia
F78 =Light Blue Dichroic Filter, 2.00" Dia
F79 =Neutral Density Dichroic Filter, 2.00" Dia
F80 =Magenta Dichroic Filter, 2.00" Dia
F22 =Red Color Filter, 2.00" Dia
F33 =Blue Color Filter, 2.00" Dia
F44 =Green Color Filter, 2.00" Dia
F55 =Yellow Color Filter, 2.00" Dia
F66 =Mercury Vapor Color Filter, 2.00" Dia

Optical Lenses

LSL : Linear Spread Lens (elongate standard beam spread), 2.00" Dia
OSL : Overall Spread Lens (increase 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 for MR16

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
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 in MR16 version.
 - * See ACCESSORIES & TECHNICAL DATA section of the Lumière catalog for Mounting Accessories.
 - * Consult your Cooper Lighting representative for additional options and finishes.