



LONGHORN STEAKHOUSE - LH7 PROTOTYPE
EXTERIOR LIGHTING SPECIFICATION SHEETS



TYPE: F
 CATALOG #: NWA150 MH - BLACK - WSM0417-M

**MADLOC
 LIGHTING**

WSM Series Wall Pack

Dimensions	Fixture Length	Fixture Width	Fixture Depth	Approx. Ship Wt.
WSM Series	229mm	330mm	190mm	6.8kg



Designed for 3.6 to 5.5 metre mounting heights, the WSM wall pack efficiently lights walkways, building exteriors, loading docks, bridges and most security areas with a wide distribution of light.

Access/Wiring

The side-hinged door opens easily with the removal of only two stainless steel screws to provide easy access to internal components. Wiring options are: 10cm recessed box or (2) 127mm conduit entries for surface mounting plus an additional 127mm opening for optional photocell.

Ballast

All metal halide luminaires utilise a multi-tap HX or CWA HPF ballast. HPS fixtures can be ordered with a multi-tap HX HPF ballast as an option. 120V HPS ballasts use reactor NPF ballasts.

Housing/ Refractor

The bronze die-cast aluminium housing, thick prismatic glass refractor and stainless steel hardware combine to make the WSM resistant to weather and vandalism.

Gaskets

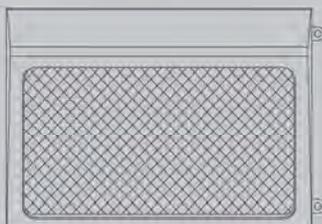
Both the door and prismatic glass lens utilise weatherproof silicone gasketing to seal out contaminants.

Lamps

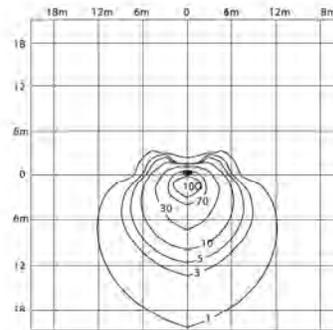
The WSM luminaire uses a medium base metal halide lamp, (50-150W) or a medium base HPS lamps (50-150W).

Mounting

The recommended mounting height is 3.6m - 5.5m.



I.E.S. photometrics available by e-mail or on disk



150W MH Wall Pack at 4.6m mounting height.

Wallpack Order Information

	Catalogue Number	Colour	Lamp Wattage
Wall	NWA50W MH/PS	Black	WSM0805-M(b)
	NWA70W MH/PS	Black	WSM0807-M(b)
	NWA100W MH/PS	Black	WSM0810-M(b)
	NWA150W MH/PS	Black	WSM0815-M(b)
	NWA150W MH	Black	WSM0417-M(b)
	NWA150W MH (MOGUL)	Black	WSM9417-M(b)
	NWA50W HPS	Black	WSM0505-(a)(b)
	NWA70W HPS	Black	WSM0507-(a)(b)
	NWA100W HPS	Black	WSM0510-(a)(b)
	NWA150W HPS	Black	WSM0515-M(b)

(b)Options: Indicate options in space (b) (Factory Installed)

Description	SUFFIX
	(b)
	High Power Factor HPF
	Button Photocell (Indicate voltage) B

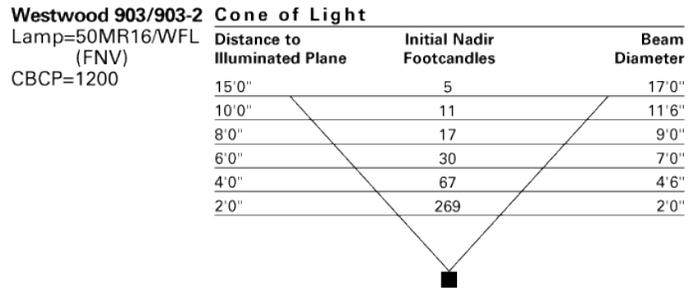
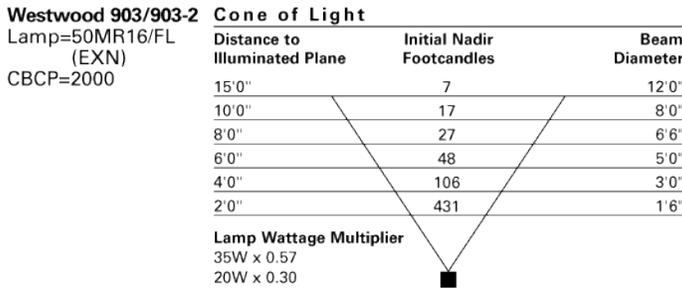
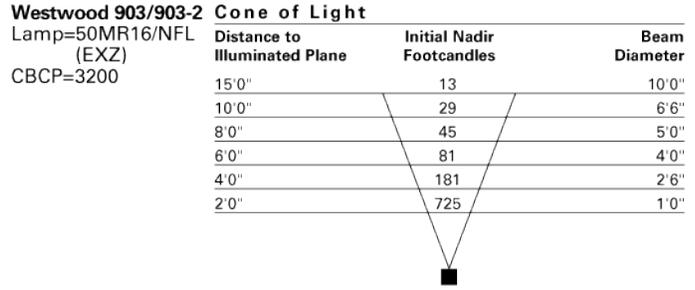
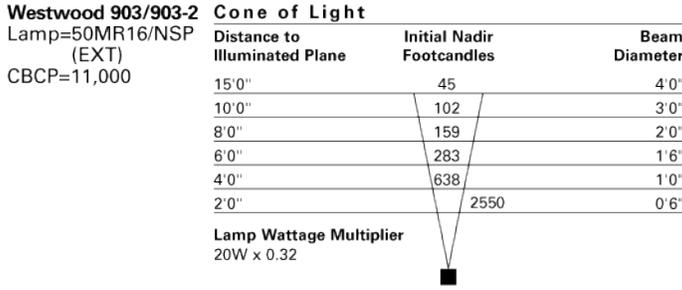
Accessories: (Field Installed)

Description	Catalogue Number
Wire Guard	NWAWGM
Polycarbonate Guard (Vandal Shield)	NWAPGM
Glare Shields	NWAGS
Full Cutoff	NWAWSM-GSF
Glare Shield Side Cutoff	NWAWSM-GS
External Photocell	NWAPT-20
Tamperproof Screws	NWAWSM-TS
Tamperproof Screws & Screwdriver	NWAWSM-TSD

TYPE: R
CATALOG #: 903-50MR16-12-BZ

PHOTOMETRIC DATA

WESTWOOD 903 / 903-2



LAMP INFORMATION

Lamp	ANSI Code	Watts	Beam Spread	CBCP	°K	Life (hrs.)	Base	Volts
50MR16/NSP	EXT	50	12°	11,000	3050	4000	GU5.3 bi-pin	12
50MR16/NFL	EXZ	50	25°	3200	3050	4000	GU5.3 bi-pin	12
50MR16/FL	EXN	50	40°	2000	3050	4000	GU5.3 bi-pin	12
50MR16/WFL	FNV	50	60°	1200	3050	4000	GU5.3 bi-pin	12

NOTE: Inferior quality lamps may adversely affect the performance of this product. Use only name brand lamps from reputable lamp manufacturers.

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.

ORDERING INFORMATION

903	50MR16	12	BZ	
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Series
903: MR16 Fully Adjustable Side-Mounted Swivel Westwood Wall Fixture w/Integral Transformer

Lamp Head Quantity
_: One Lamp Head
2: Two Lamp Heads

Source
Halogen
50MR16: 50W Max Halogen MR16, GU5.3 Base

Voltage
120/12: 120V to 12V Integral Step-down Transformer

Finish
Painted
BK: Black
BZ: Bronze
CS: City Silver
VE: Verde
WT: White
Metal
NBR: Brass
NCP: Copper

Accessories

Filters
F71: Peach Dichroic Filter, 2.00" Dia
F73: Green Dichroic Filter, 2.00" Dia
F75: Yellow Dichroic Filter, 2.00" Dia
F77: Dark Blue Dichroic Filter, 2.00" Dia
F79: Neutral Density Dichroic Filter, 2.00" Dia
F22: Red Color Filter, 2.00" Dia
F44: Green 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
DIF: Diffused Lens (provide even illumination), 2.00" Dia

Optical Louver
LVR: Hex Cell Louver (reduce glare), 2.00" Dia

Lamps
EZS: 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
EX T: 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
FNW: 50W MR16 GU5.3 Bi-Pin Very Wide Flood

Notes: * Lamp not included.
* Includes 12V integral transformer.
* Consult your Cooper Lighting representative for additional options and finishes.

TYPE: M1
CATALOG #: M53679-27-AL



SMOKY MTN EXTERIOR WALL LARGE - NORTHRIM

The Smoky Mtn Exterior Wall fixture is offered in two sizes (Small and Large) and is a modified version of our interior light to make it UL rated for exterior or wet locations. Mica panels are on all four sides of the steel frame, with a choice of color between Almond or Amber on the standard model, or upgrade to one of the glass panel colors shown below. Hardwire is standard. Attaches to wall with a 4½ square pan. Hardwire only. Order the CF option and we replace the incandescent socket with a 13W quad pin socket for use with a 4" compact fluorescent bulb. This light is also suitable for indoor use, so it provides an alternative styling to the Smoky Mtn version shown in "Wall Sconces – Interior Only" Category.



This item is the large-sized Northrim, which features the same artwork on all sides. Shown in Finish #27 - Rustic Brown with the Almond (AL) Mica Shade.

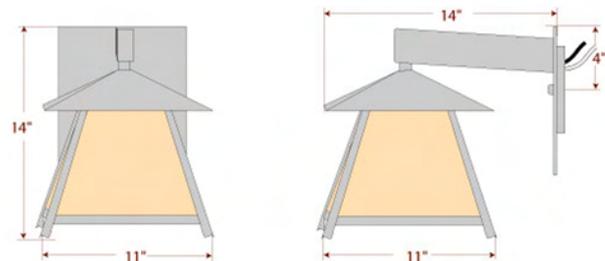
DIMENSIONS:	14H x 11W x 14E x 4TM
LAMPING:	Takes one, type A21 (standard household style) bulb with a maximum Wattage of 150W.
SHADE/MICA OPTIONS:	Almond or Amber Mica; Amber or Beige Glass
FINISH CHOICES:	Any solid color finish
PRODUCT NO:	M53679

Finish Choices

- #14 Hunter Green
- #22 Dark Chocolate
- #27 Rustic Brown
- #29 Antique Copper Metallic
- #31 Old World Copper
- #47 Forest Green
- #95 Natural Gray
- #97 Black Iron

Smoky Mtn Exterior Shade Options

- AG - Amber Glass Shade
- AL - Almond Mica
- AM - Amber Mica Shade
- BG - Beige Glass Shade



Mountain Ranch Lighting
PO Box 31517
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Tel: 360-752-2989
Fax: 360-752-1612
Email: info@mtnranchlighting.com

TYPE: R
 CATALOG #: 903-50MR16-12-BZ

DESCRIPTION

Westwood 903 and 903-2 are ultra-compact 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.

SPECIFICATION FEATURES
A ... Material

Housing, hood and mounting stem are precision-machined from corrosion-resistant 6061-T6 aluminum billet, brass or 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 chromate conversion 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

Integral 50 VA class "H" 120/12V step down transformer is standard.

J ... Lamp

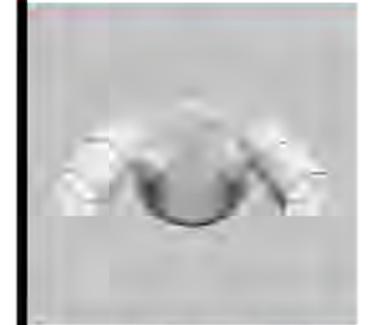
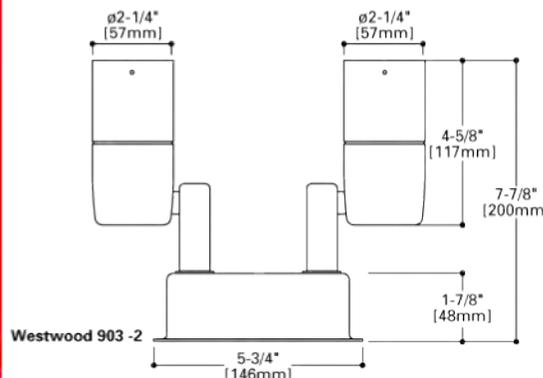
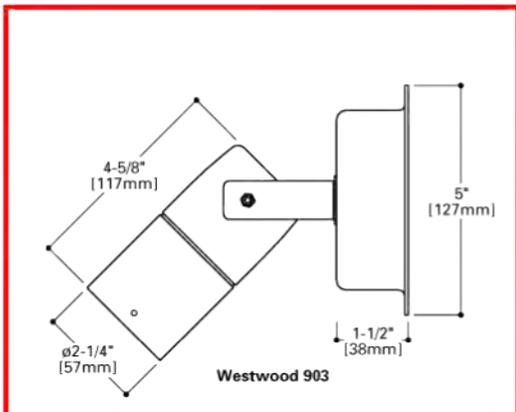
Not included. Available from Lumière as an accessory - see reverse side of this page.

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
50W (max.) MR16
Halogen
Line Voltage
w/ Integral 12V transformer
Wall or Ceiling


TYPE: T (UPLIGHT) & V (DOWNLIGHT)
 CATALOG #: 615-50MR16-12-BK

DESCRIPTION

The Boca 615 is a 6" diameter inground fixture with rotatable, slotted aperture for use with an MR16 lamp source. The adjustable lamp assembly provides up to 35° vertical tilt and 360° horizontal rotation for precision uplighting, wall washing or general illumination in constricted areas. Designed for recess mounting in concrete, brick, stone or dirt it is suitable for drive-over applications.

SPECIFICATION FEATURES

A ... Material

Recessed housing is constructed from corrosion-resistant 6061-T6 aluminum extrusion. Trim ring with slotted aperture is precision-machined from corrosion-resistant 6061-T6 aluminum or solid brass.

B ... Finish Painted

Solid brass and stainless steel parts are natural finish. Painted surfaces are double protected by a chromate conversion undercoating and a thermoplastic polyester powder coat for mar-resistance and extended weatherability.

C ... Gasket

Recessed housing and trim ring are sealed with a high temperature silicone o-ring gasket to prevent water intrusion.

D ... Lens

Minimum 1/4" thick tempered glass lens, factory sealed with high temperature adhesive to prevent water intrusion and breakage due to thermal shock. Suitable for drive-over applications.

E ... Hardware

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

F ... Socket

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

G ... Electrical

Remote 12V transformer required (not included). Available from Lumière as an accessory - see Accessories & Technical Data section of this catalog for details.

H ... Lamp

Not included. Available from Lumière as an accessory - see reverse side of this page.

I ... Labels & Approvals

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

J ... 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.

L ... Recessed Housing

Recessed housing is available to ship in advance of complete fixture for rough-in purposes. Specify option -LBB and order separately accompanying recessed housing from below:

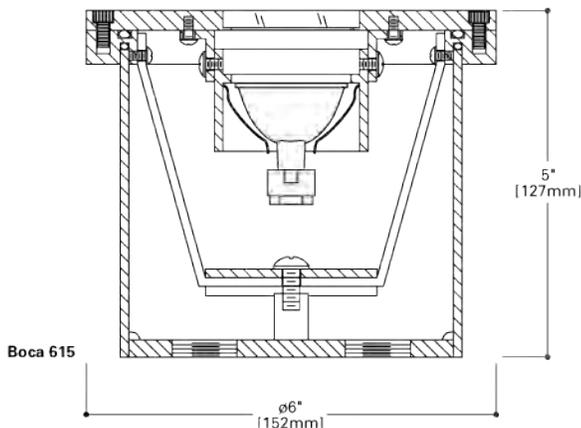
615-xx-BB
 recessed housing;

NOTE: replace xx with desired finish- BK, BZ, CS, VE, WT, NBR, or NBZ



**BOCA
 615**

**50W (max.) MR16
 Halogen
 Low Voltage
 Inground**



TYPE: T (UPLIGHT) & V (DOWNLIGHT) CATALOG #: 615-50MR16-12-BK

PHOTOMETRIC DATA

BOCA 615

Boca 615
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



Boca 615
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"



Boca 615
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



Boca 615
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"



LAMP INFORMATION

Lamp	ANSI Code	Watts	Beam Spread	CBCP	°K	Life (hrs.)	Base	Volts
50MR16/NSP	EXT	50	12°	11,000	3050	4000	GU5.3 bi-pin	12
50MR16/NFL	EXZ	50	25°	3200	3050	4000	GU5.3 bi-pin	12
50MR16/FL	EXN	50	40°	2000	3050	4000	GU5.3 bi-pin	12
50MR16/WFL	FNV	50	60°	1200	3050	4000	GU5.3 bi-pin	12

NOTE: Inferior quality lamps may adversely affect the performance of this product. Use only name brand lamps from reputable lamp manufacturers.

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.

ORDERING INFORMATION

615 **50MR16** **12** **BK**

Series
615: Slotted Aperture, 6" Dia, 5" Low Profile, Adjustable 35° Vertical Tilt 360° Horizontal Rotation

Source
Halogen
50MR16: 50W Max Halogen MR16, GU5.3 Base

Voltage
12: 12V

Finish
Painted
BK: Black
BZ: Bronze
CS: City Silver
VE: Verde
WT: White
Metal
NBR: Brass

Options
LBB: Housing Shipped in Advance (select LBB option and order recessed housing separately)

Recessed Housing (order separately)
Select housing from Recessed Housing section on previous page

Accessories

Filters

F71: Peach Dichroic Filter, 2.00" Dia
F73: Green Dichroic Filter, 2.00" Dia
F75: Yellow Dichroic Filter, 2.00" Dia
F77: Dark Blue Dichroic Filter, 2.00" Dia
F79: Neutral Density Dichroic Filter, 2.00" Dia
F22: Red Color Filter, 2.00" Dia
F44: Green Color Filter, 2.00" Dia
F66: Mercury Vapor Color Filter, 2.00" Dia

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

Optical Lenses

LSL: Linear Spread Lens (elongate standard beam spread), 2.00" Dia
DIF: Diffused Lens (provide even illumination), 2.00" Dia

OSL: Overall Spread Lens (increase beam spread), 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

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.

EXITRONIX™

REMOTE LAMPS ASSORTED STYLES AND WATTAGES

THERMOPLASTIC WEDGE BASE SQUARE HEAD

- Constructed of impact resistant, UL 94 V-0 thermoplastic
- White or black with matching mounting plate included
- 6 volt or 12 volt tungsten T5 wedge base lamps
- Lamps easily replaced by removing lens

THERMOPLASTIC BI-PIN HALOGEN SQUARE HEAD

- Constructed of impact resistant, UL 94 V-0 thermoplastic
- White or black with matching mounting plate included
- 6 volt, 5 watt bi-pin halogen lamps
- Lamps easily replaced by removing lens

THERMOPLASTIC WEDGE BASE ROUND HEAD

- Constructed of impact resistant, UL 94 V-0 thermoplastic
- White, black or tan with matching mounting plates
- Sealed beam Par 36 or wedge base, tungsten or halogen lamps
- Lamps easily replaced by removing snap-in retainer ring

POLYCARBONATE WEDGE BASE RECTANGULAR HEAD

- Constructed of polycarbonate
- White, black or tan with matching mounting plates
- Features 6 volt or 12 volt tungsten T5 wedge base lamps
- Lamps easily replaced by removing snap ring

THERMOPLASTIC AND METAL CHROME SEALED BEAM PAR 36

- Constructed of impact resistant, UL 94 V-0 thermoplastic or chrome plated steel
- 6 or 12 volt sealed beam tungsten or halogen lamps
- Lamps easily replaced by removing the snap ring

INDUSTRIAL POLYCARBONATE SEALED BEAM PAR 36

- Available for NEMA or Class 1, Division 2 applications
- Constructed of gray polycarbonate
- 6 or 12 volt Par 36 sealed beam tungsten or halogen lamps
- Optional shatterproof lens for food service applications
- Lamp heads are fully gasketed
- Lamps easily replaced by removing ring bezel

THERMOPLASTIC NEMA RATED

- Available for NEMA outdoor applications
- Color-matched mounting plate included
- Constructed of gray polycarbonate
- 6 or 12 volt Par 36 tungsten lamps
- Lamp heads are fully gasketed
- Lamps easily replaced by removing snap ring



Mounting Plate: included
Lamp Head: L1D



Mounting Plate: included
Lamp Head: 2L1D



Mounting Plate: included
Lamp Head: L1D-H



Mounting Plate: included
Lamp Head: 2L1D-H



Mounting Plate: WP1
Lamp Head: T1A



Mounting Plate: WP2
Lamp Head: T1A



Mounting Plate: WP1
Lamp Head: P1D



Mounting Plate: WP2
Lamp Head: P1D



Mounting Plate: PM1
Lamp Head: S1M



Mounting Plate: PMCS1
Lamp Head: S1M



Mounting Plate: PM1
Lamp Head: Z1K



Mounting Plate: PM3
Lamp Head: Z1K



Mounting Plate: included
Lamp Head: Z1P-B



Mounting Plate: included
Lamp Head: Z21P



TYPE: Z
 CATALOG #: 203-50MR16-12-BK

LUMIÈRE®

DESCRIPTION

Cambria 203 is an ultra-compact MR16 low voltage halogen and LED fixture. It is available with a fully adjustable side swivel stem (203, 203-FL), an adjustable center rear swivel (203-CRS) or stationary rear flush mount (203-FM). 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.

SPECIFICATION FEATURES

A ... Material

Housing, hood and mounting stem are precision-machined from corrosion-resistant 6061-T6 aluminum billet, C360 brass, C932 bronze, C110 copper or 303/304 stainless steel.

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.

C ... Brass, Bronze, Copper or Stainless Steel

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

H ... Hardware

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

I ... Socket

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

J ... Electrical

Remote 12V transformer required (not included). Transformers used in conjunction with LED's must be magnetic only, not electronic. Available from Lumière as an accessory - see the Accessories & Technical Data section of this catalog for details.

K ... Lamp

Halogen lamp not included. Available from Lumière as an accessory - see reverse side for details and catalog logic. Due to the onboard thermal feedback control circuitry, LED modules are non-dimmable. LED modules are included and are available in three color temperatures (warm, neutral, and cool) and three distributions (spot, narrow, and flood). Both

D ... Hood

Hood is removable for easy relamping and accepts up to three internal accessories at once (lenses, louvers, filters) to achieve multiple lighting effects. Model 203, 203-CRS & 203-FM: Weep holes prevent water and mineral stains from collecting on the lens, even in the straight-up position. Model 203-FL: The flush lens design reduces fixture length, minimizes debris collection and prevents water and mineral stains from collecting on the lens.

E ... Gasket

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

F ... Lens

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

G ... Mounting Stem

Model 203 and 203-FL include fully adjustable side-mounted swivel stem, providing 340° tilt and 360° rotation for easy aiming. Center rear swivel (203-CRS) or stationary rear flush mount (203-FM) models are also available. All models include 1/2" NPS threaded male fitting. Stainless steel aim-locking mechanisms are standard (not available on 203-FM). Lumière's exclusive Siphon Protection System (S.P.S.) prevents water from siphoning into the fixture through its own lead wires.

must be specified when ordering - see reverse side for details and catalog logic.

L ... Labels & Approvals

UL and cUL listed, standard wet label. IP65 rated. Manufactured to ISO 9001-2000 Quality Systems Standard. IBEW union made. Approved by New York City Dept. of Buildings, Bureau of Electrical Control for use in NYC, NY.

M ... 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.



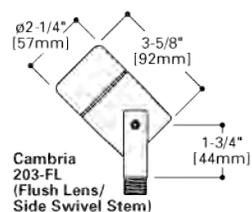
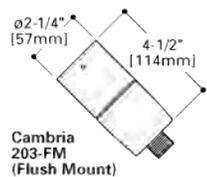
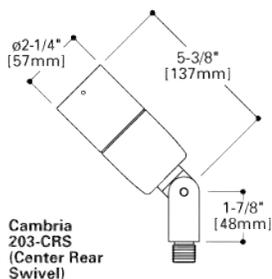
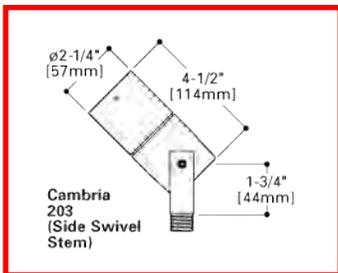
**CAMBRIA
 203**

**12W LED
 50W (max.) MR16**

**LED
 Halogen
 Low Voltage**

Accent/Flood

IP65



TYPE: Z
 CATALOG #: 203-50MR16-12-BK

PHOTOMETRIC DATA

Cambria 203
 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



Cambria 203
 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"



Cambria 203
 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



Cambria 203
 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"



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/LED data shown. Consult lamp/LED manufacturers to obtain detailed specifications for their lamps/LEDs.

TYPE: Z
 CATALOG #: 203-50MR16-12-BK

CAMBRIA 203

ORDERING INFORMATION

Sample Number: 203-FL-50MR16-12-NCP



Series

203 =MR16 Cambria Accent Fixture

Construction

__=Standard Side Swivel Stem, 1/2" NPS

CRS =Center Rear Swivel Stem, 1/2" NPS

FM=Rear Flush Mount, 1/2" NPS

FL=Flush Lens, Side Swivel Stem, 1/2" NPS

Source

Halogen

50MR16 = 50W Max Halogen MR16, GU5.3 Base

LED

- 12WLEDS = 12W Warm LED Spot Optic, GU5.3 Base
- 12NLEDS = 12W Neutral LED Spot Optic, GU5.3 Base
- 12CLEDS = 12W Cool LED Spot Optic, GU5.3 Base
- 12WLEDN = 12W Warm LED Narrow Optic, GU5.3 Base
- 12NLEDN = 12W Neutral LED Narrow Optic, GU5.3 Base
- 12CLEDN = 12W Cool LED Narrow Optic, GU5.3 Base
- 12WLEDW = 12W Warm LED Wide Optic, GU5.3 Base
- 12NLEDW = 12W Neutral LED Wide Optic, GU5.3 Base
- 12CLEDW = 12W Cool LED Wide Optic, GU5.3 Base

Voltage

12 =12V

Finish

Painted

BK =Black

BZ =Bronze

CS =City Silver

VE =Verde

WT =White

Metal

NBR =Brass

NBZ =Bronze

NCP =Copper

NSS =Stainless Steel

Accessories

Filters

F71 =Peach Dichroic Filter, 2.00" Dia

F73 =Green Dichroic Filter, 2.00" Dia

F75 =Yellow Dichroic Filter, 2.00" Dia

F77 =Dark Blue Dichroic Filter, 2.00" Dia

F79 =Neutral Density Dichroic Filter, 2.00" Dia

F22 =Red Color Filter, 2.00" Dia

F44 =Green 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

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

LAMP INFORMATION

Lamp	ANSI Code	Watts	Beam Spread	CBC	°K	Life (hrs.)	Base	Volts
2WLEDS		12	8°	443	3000	50000	GU5.3 bi-pin	12
12NLEDS		12	8°	487	4300	50000	GU5.3 bi-pin	12
12CLEDS		12	8°	576	3000	50000	GU5.3 bi-pin	12
12WLEDN		12	16°	443	4300	50000	GU5.3 bi-pin	12
12CLEDN		12	16°	4				12
12WLEDW		12	30°	443	3000	50000	GU5.3 bi-pin	12
12NLEDW		12	30°	487	4300	50000	GU5.3 bi-pin	12
12CLEDW		12	30°	576	6300	50000	GU5.3 bi-pin	12
50MR16/NSP	EXT	50	12°	11,000	3050	4000	GU5.3 bi-pin	12
50MR16/NFL	EXZ	50	25°	3200	3050	4000	GU5.3 bi-pin	12
50MR16/FL	EXN	50	40°	2000	3050	4000	GU5.3 bi-pin	12
50MR16/WFL	FNV	50	60°	1200	3050	4000	GU5.3 bi-pin	12

NOTE: Inferior quality lamps may adversely affect the performance of this product. Use only name brand lamps from reputable lamp manufacturers.