

DESCRIPTION

Cambria 204 is an ultra-compact MR16 low voltage halogen fixture. The housing design incorporates an integral heat sink that promotes longer lamp life. An integral, adjustable lamp shroud provides convection cooling and glare control. It is available with a fully adjustable side swivel stem (204) or adjustable center rear swivel (204-CRS). 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

Material

Housing, hood, lamp shroud and mounting stem are precision-machined from corrosion-resistant 6061-T6 aluminum billet, brass, bronze, copper or stainless steel.

Finish

Fixtures 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.

Hood & Lamp Shroud

Hood is removable for easy relamping and accepts up to three internal accessories at once (lenses, louvers, filters) to achieve multiple lighting effects. The flush lens design sheds water and minimizes debris collection. The integral, adjustable lamp shroud provides convection cooling and glare control.

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 Stem

Model 204 includes fully adjustable side-mounted swivel stem, providing 340° tilt and 360° rotation for easy aiming. An adjustable center rear swivel model is also available (204-CRS). All models include 1/2" NPS threaded male fitting. 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.

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). Available from Lumière as an accessory - see the Accessories & Technical Data section of this catalog for details.

Lamp

Not included. Soraalamp compatible (10W Max).

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.

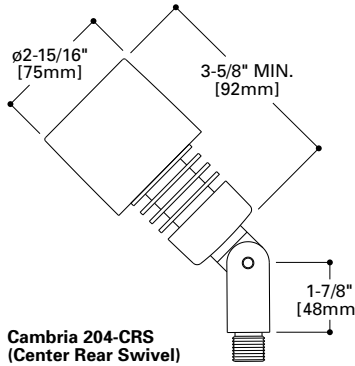
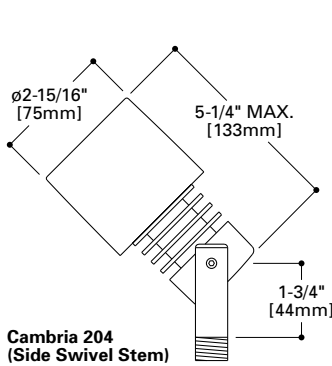


204

CAMBRIA

HALOGEN

APPLICATIONS:
ACCENT / FLOOD



CERTIFICATION DATA

UL and cUL Wet Location Listed
LM79 / LM80 Compliant
ROHS Compliant
IP66 Ingress Protection Rated

TECHNICAL DATA

75W (max.) MR16
Low Voltage

ORDERING INFORMATION

Sample Number: 204-CRS-75MR16-12-BZ

Series	Construction	Source	Voltage	Finish
204=MR16 Cambria Accent Fixture w/ Integral Heat Sink and Adjustable Hood	____=Standard Side Swivel Stem, 1/2" NPS CRS=Center Rear Swivel Stem, 1/2" NPS	75MR16=75W Max Halogen MR16, GU5.3 Base	12=12V	Painted BK=Black BZ=Bronze CS=City Silver VE=Verde WT=White

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)

MOUNTING ACCESSORIES - ORDER SEPARATELY

Ground Mounting GS01 = 1-1/2" x 6-3/4" (38mm x 171mm) cast zinc ground spike. GS03 = 2-3/8" x 6-5/8" 960mm x 168mm) aluminum ground spike with integral 12V wiring compartment. Specify powder paint finish (BK,BZ,CS,VE,WT) GS04 = 1" x 16-1/2" (25mm x 419mm) aluminum ground spike with integral 12V wiring compartment. Specify powder paint finish (BK,BZ,CS,VE,WT) GS05 = 1" x 16-1/2" (48mm x 438mm) black polycarbonate ground spike with 2"-13" height adjustment - requires fixture with extended stem. GS06 = 2" x 10-1/2" (51mm x 267mm) plate steel/brass spiral ground spike. GS08 = 1-7/8" x 8" (48mm x 203mm) black ABS ground spike. GS13 = 3-3/4" x 4-1/2" (95mm x 114mm) brass/stainless steel 3 prong ground spike.
Surface / Wall Mounting - specify powder paint finish (BK,BZ,CS,VE,WT) FS1 = 2-7/8" x 4-5/8" (73mm x 117mm) rectangular wall plate or box cover with single 1/2 NPS mounting hole. FS2 = 2-7/8" x 4-5/8" (73mm x 117mm) rectangular wall plate or box cover with dual 1/2 NPS mounting holes. RS1 = 4-1/2" (144mm) machined aluminum standard round wall plate with single 1/2 NPS mounting hole. RS2 = 4-1/2" (114mm) machined aluminum standard round wall plate with single 1/2 NPS mounting hole. TM01 = 2-3/16" x 1-1/2" (71mm x 38mm) round mount for installation on trees or other wood surfaces with 1/2 NPS mounting hole. TM05 = 3-7/8" x 2" (98mm x 51mm) rectangular tree/surface mount with wiring compartment and single 1/2 NPS mounting hole.
Low Voltage Tree Mounting - specify finish (BK,BZ,CS,VE,WT) TM04 = 2-1/2" x 4-1/4" (64mm x 108mm) expanding tree strap with self adjusting tension release for one fixture mount. Designed for a maximum tree diameter of 24" (610mm). TM04-2 = two fixture mount. TM04-3 = three fixture mount. TM04-4 = four fixture mount. TR07 = tree friendly ring with adjustable stand-offs. Accomidates 18"-24" (457mm - 610mm) treR diameter. TR07-2 = two fixture mount. TR07-3 = three fixture mount. TR07-4 = four fixture mount. TR07-6 = six fixture mount.

CAMBRIA 204 MR16 HALOGEN PHOTOMETRY DATA

Horizontal Illuminance on Surface - Cambria 204 Standard Recessed Hood - 75W MR16			
CONE OF LIGHT 	Filename	204-75MR16-12-BK-NSP.ies	
	Lamp	75W MR16 NSP	
	CBCP	12,300	
	Distance	FC	Beam Diameter
	2'	3075	0'6"
	4'	769	1'0"
	6'	342	1'6"
	8'	192	2'0"
	10'	123	3'0"
	15'	54	4'0"
	Filename	204-75MR16-12-BK-NFL.ies	
	Lamp	75W MR16 NFL	
	CBCP	4,600	
	Distance	FC	Beam Diameter
	2'	1150	1'0"
	4'	287	2'0"
	6'	128	3'6"
	8'	72	4'6"
	10'	46	6'0"
	15'	20	9'0"

CCT MULTIPLIER TABLE

LAMP WATTAGE	MULTIPLIER	Filename	204-75MR16-12-BK-FL.ies	
20W	0.27	Lamp	75W MR16 FL	
35W	0.48	CBCP	2,100	
50W	0.82	Distance	FC	Beam Diameter
		2'	525	0'6"
		4'	131	1'0"
		6'	58	1'6"
		8'	33	2'0"
		10'	21	3'0"
		15'	9	4'0"

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.