

MONGOOSE[®]



The Mongoose Roadway and Area Lighting luminaire offers paramount versatility of applications with advanced optical systems and an aesthetically pleasing design. The ability to configure the Mongoose optics, tilt, and mounting method to meet specific applications enables it to be used in diverse applications ranging from interstates to parking lots. With fourteen optical configurations, including wide roadway,

narrow roadway, medium roadway, forward throw, wide flood, narrow flood, and square distributions and tilts ranging from 0° to 45°, it provides unparalleled solutions for a multitude of lighting requirements. The Mongoose has full cutoff through semi-cutoff distributions providing additional flexibility where required.

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The Mongoose luminaire is the ideal solution for all of your roadway lighting needs! The versatility in optics, mounting methods, and tilts allows it to be configured for applications ranging from expressways to residential neighborhoods. Up to 6 lanes of roadway can be illuminated from one side of the roadway utilizing Mongoose.

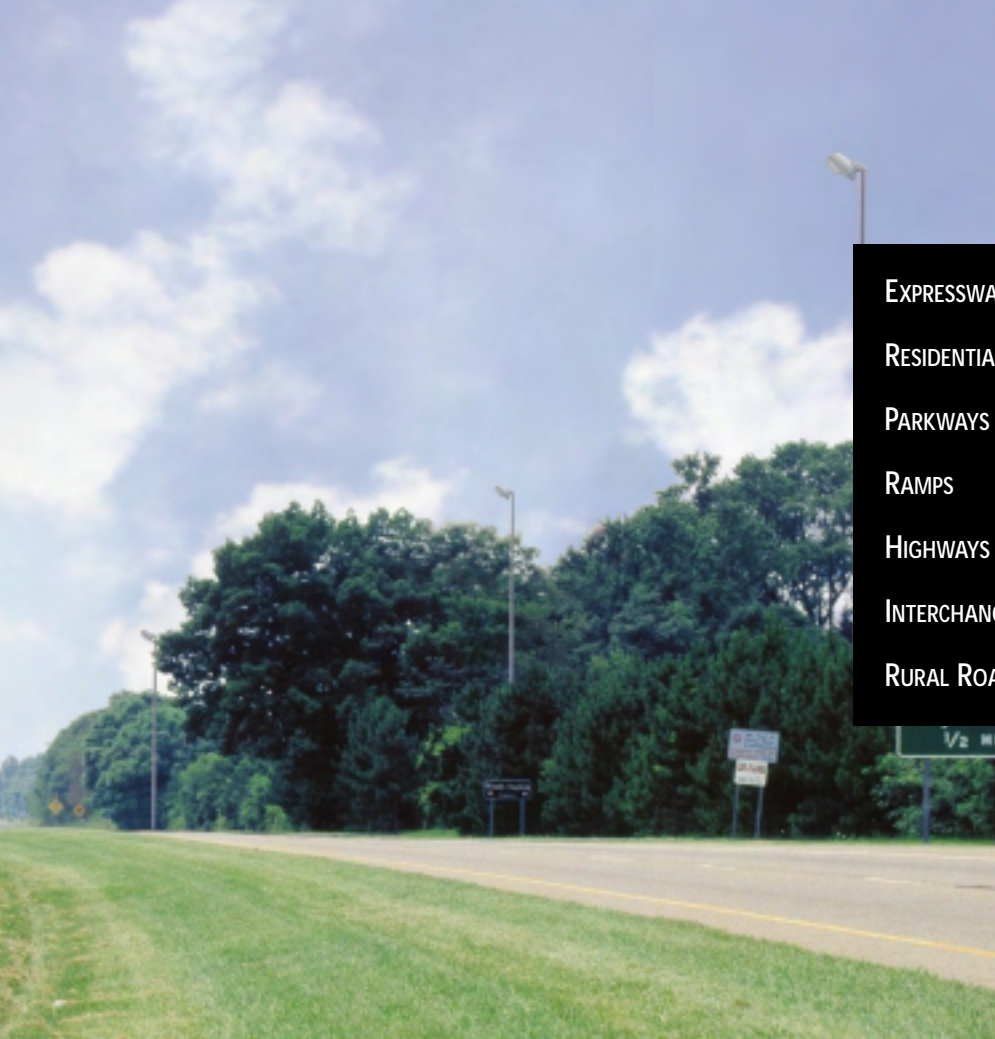


Recommended optical choices for roadway applications include wide roadway, narrow roadway, forward throw, square distribution, and medium roadway.

Advanced optics and tilts ranging from 0° to 45° with setbacks up to 50 feet from the road allow flexibility in applications ranging from offset lighting to full cutoff, while providing optimal horizontal and vertical illumination.

The number of poles required are reduced due to the Mongoose superlative optics. Roadway clutter associated with arms required to support traditional luminaires is minimized.





- EXPRESSWAYS
- RESIDENTIAL STREETS
- PARKWAYS
- RAMPS
- HIGHWAYS
- INTERCHANGES
- RURAL ROADS

Utilities and DOT's are finding that by using Mongoose over traditional lighting, they are able to reduce maintenance costs and minimize road closures. An interesting installation of the Mongoose consists of mounting on high mast poles in a staggered arrangement for interstates, interchanges, ramps, and highways eliminating knock down problems and costs associated with traffic control, while providing more uniform photometric distributions.



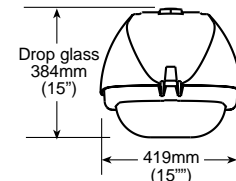
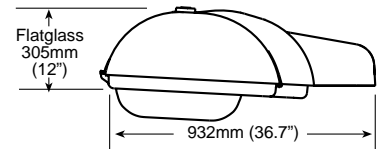
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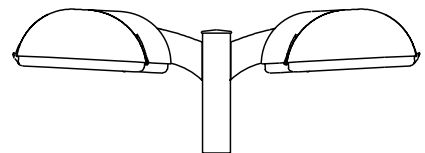
How to construct a catalog number for Mongoose® luminaire: Fixture type _____

EXAMPLE: G — 400HP — 24 — L — NC — V — Z — B
 1 2 3 4 5 6 7 8

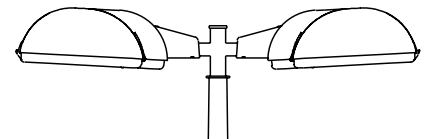
Catalog no.	Description
1	Luminaire type
___ G	Mongoose
2	Source and wattage
___ 100HP	100W HPS, mogul base
___ 15AHP	150W/55 volt, HPS, mogul base
___ 250HP	250W HPS, mogul base
___ 400HP	400W HPS, mogul base
___ 175MH	175W Metal halide, mogul base
___ 250MH	250W Metal halide, mogul base
___ 400MH	400W Metal halide, mogul base
___ 750MH	750W Metal halide, mogul base (Available through TSG with MM optics using compact lamps only)
3	Voltage
___ 12	120 volt
___ 20	208 volt
___ 24	240 volt
___ 27	277 volt
___ 34	347 volt
___ 48	480 volt
___ 08	208 volt, isolated secondary (Available through TSG)
___ 40	240 volt, isolated secondary (Available through TSG)
___ MT	Multi-volt (120, 208, 240, 277 volt)
___ MA	Multi-volt. Wired to 120V tap.
___ MB	Multi-volt. Wired to 208V tap.
___ MC	Multi-volt. Wired to 240V tap.
___ MD	Multi-volt. Wired to 277V tap.
___ VT	Vari-tap (120, 277, 347V); With 250HP, 400HP, 250MH & 400MH only
4	Tilt range
___ L	Low tilt, 0° to 18°
___ H	High tilt, 27° to 45°
5	Optics
___ DC	Medium roadway, clear drop glass (Available with "H" tilt range only)
___ DR	Medium roadway, prismatic refractor (Available with "H" tilt range only)
___ FC	Forward throw, clear drop glass (400W MH requires compact lamp); Available with "L" low tilt range only.
___ FF	Forward throw, flat glass (400W MH requires compact lamp); (Available with "L" low tilt range only)
___ NC	Narrow roadway, clear drop glass (Low tilt comes with shallow glass optic)
___ NF	Narrow roadway, flat glass (Available with "L" low tilt range only)
___ NR	Narrow roadway, prismatic refractor
___ ND	Narrow flood (Available with "H" high tilt range only)
___ WD	Wide flood (Available with "H" high tilt range only)
___ SC	Square distribution, clear drop glass (Available with "L" low tilt range only)
___ SF	Square distribution, flat glass (175W, 250W & 400W MH); 400W MH requires compact lamp. (Available with "L" low tilt range only)
___ WC	Wide roadway, clear drop glass (Low tilt comes with shallow glass optic)
___ WF	Wide roadway, flat glass (Available with "L" low tilt range Only)
___ WR	Wide roadway, prismatic refractor



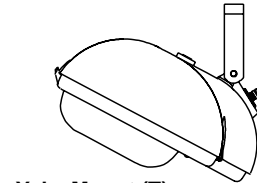
Vertical Tenon (V)



Architectural Arm (A)



Horizontal Arm (H)



Yoke Mount (T)

Ordering Data

Catalog no.	Description
6	Mounting
___ A	Architectural arm
___ H	Horizontal arm
___ T	Yoke mount (Available through TSG)
___ V	Vertical tenon
7	Finish
___ G	Gray
___ K	Black
___ N	Green
___ W	White
___ Z	Bronze
8	Options
___ B	Terminal block and NEMA decal (Not available with Option C)
___ C	NEMA decal (Not available with Option B)
___ P	Protected starter (HPS only)
___ R	NEMA twistlock photocontrol receptacle
___ T	Spade termination for ballast leads (Available with MT, MA, MB, MC, MD and VT ballasts only)
___ 3'	3" tenon adapter (Available with "V" mounting only)
___ 6	6' pigtail
Accessories	
___ F1	Single fuse kit (Available with 12, 24, 27, and 34V units)
___ F2	Double fuse kit (Available with 20, 24, and 48V units); NA with 08 and 40V
___ Lamp	Ship appropriate lamp as line item
___ BKT-5-G	Galvanized wood pole bracket
___ BR-1091-XX	3" to 2" tenon adapter bracket

- Notes: 1 Adapter will be painted same color as fixture finish in Step 6.
2 Insert GR-Gray, BK-Black, GN-Green, WH-White, BZ-Bronze for "XX" in catalog number.



Flat glass



Clear drop glass (regular)



*Clear drop glass (shallow glass optics)
Standard with low tilt NC and WC optics*

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Photometric test number, IES distribution type, and cutoff classification

Watts/ Lamp	Narrow Roadway			Medium Roadway			Wide Roadway			Extra Wide Roadway	
	Flat Glass	Clear Drop	Prismatic Refractor	Flat Glass	Clear Drop	Prismatic Refractor	Flat Glass	Clear Drop	Prismatic Refractor	Flat Glass	Clear Drop
100 HPS	49293 I,FC	51853 II,C	49498 I,C				49416 III,FC	51851 III,C	49499 II,C		
150 HPS	49274 I,FC	51850 I,C	49506 I,C	51904 III,FC	51903 III,C		49419 III,FC	51854 III,C	49513 II,C	51889 IV,FC	51895 IV,C
175 MH	49488 I,FC	51876 I,C	49518 I,C	51880 II,FC	51879 II,C		49449 II,FC	51875 II,C			51894 IV,NC
250 HPS	49260 II,FC	51562 II,C	49527 II,C	51901 III,FC	51900 III,C	49524 II,C	49395 III,FC	51844 III,C		51890 IV,FC	51891 IV,SC
250 MH	49296 I,FC	51868 II,C		51905 III,FC	51906 III,C					51898 IV,FC	51893 IV,SC
400 MH COMPACT										51896 IV,FC	51892 IV,NC
400 HPS	49257 II,FC	51561 II,C	49482 II,C	51902 III,FC	50347 III,NC	50346 III,NC	49396 III,FC	51843 III,C	49484 II,C	51888 IV,FC	51887 IV,SC
400 MH	50281 II,FC	52307 II,C	50278 II,C				50276 II,FC	49624 III,C	50279 II,C		

* IES Distribution: FC = Full Cutoff; C = Cutoff; SC = Semi-Cutoff; NC = Non Cutoff
All lamps are clear

Photometric test number, IES distribution type, and cutoff classification

Watts/ Lamp	Forward Throw		Offset - Narrow*		Offset - Wide*		Square	
	Flat Glass	Clear Drop	Clear Drop	Prismatic Refractor	Clear Drop	Prismatic Refractor	Flat Glass	Clear Drop
150 HPS	51431 IV,FC	51444 IV,NC	49739 IV,NC	49738 IV,NC	49922 IV,NC	49923 IV,NC		51151 IV,SC
175 MH	51449 IV,FC	51443 IV,NC	49747 III,NC	49745 IV,NC	49983 IV,NC	49984 IV,NC	51048 III,FC	51039 IV,NC
250 HPS	51437 IV,FC	51440 IV,SC	49736 III,NC	49734 III,NC	49986 IV,NC	49985 III,NC		51135 IV,SC
250 MH	51452 IV,FC	51442 IV,NC	49757 II,C	49758 IV,NC	50000 IV,NC	49999 IV,NC	51046 III,FC	51041 III,SC
400 MH COMPACT	51448 IV,FC	51441 IV,NC					51055 III,FC	51037 III,NC
400 HPS	51419 IV,FC	51417 IV,SC	49730 III,C	49732 III,NC	49899 IV,NC	49900 IV,NC		51132 IV,SC
400 MH	51034 IV,FC	51028 IV,C	49291 II,NC	49530 II,NC	49982 III,NC	49981 III,NC		51031 IV,NC

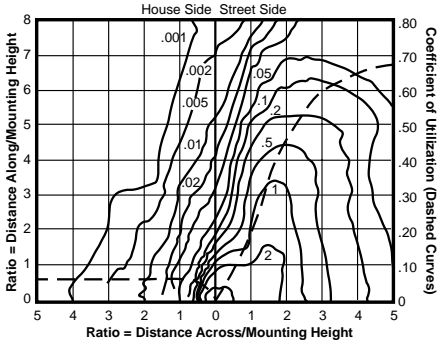
IES Distribution: FC = Full Cutoff; C = Cutoff; SC = Semi-Cutoff; NC = Non Cutoff
* All units tested at 0° tilt except offset types
All lamps are clear

Example: IV, FC = IES Type IV, Full Cutoff

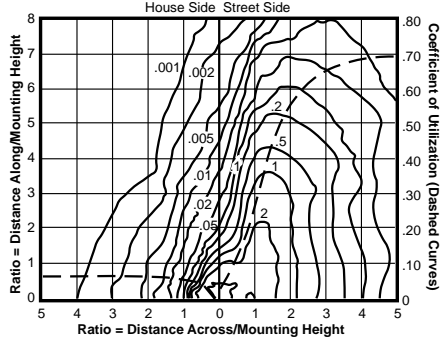
Photometrics— 30' Mounting Height

Isofootcandle curves

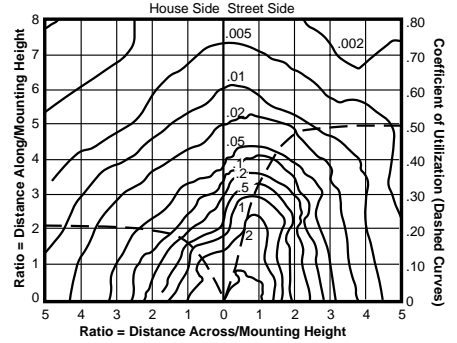
Cat. No. G400HP00HWC
400W Clear HPS/Test No. 49899



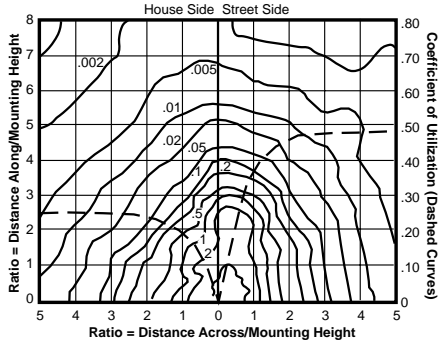
Cat. No. G400HP00HNC
400W Clear HPS/Test No. 49730



Cat. No. G400HP00LWR
400W Clear HPS/Test No. 49484



Cat. No. G400HP00LNR
400W Clear HPS/Test No. 49482



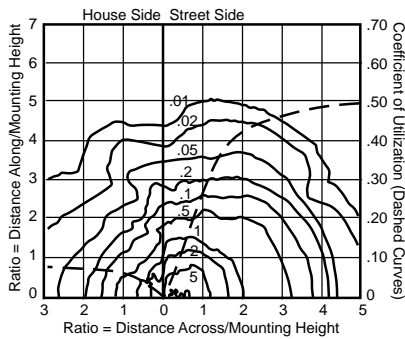
Cat. No. G400HP00HDR
400W Clear HPS/Test No. 50346



Cat. No. G400HP00HDC
400W Clear HPS/Test No. 50347



Cat. No. G400HP00LFF
400W Clear HPS/Test No. 51419

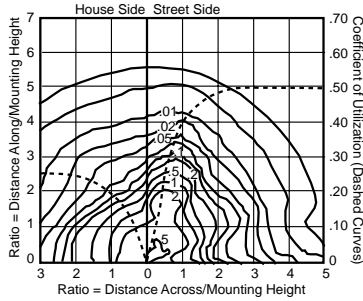


High Pressure Sodium

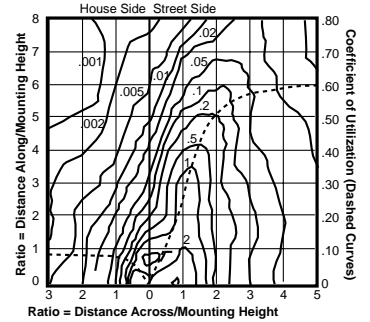
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Isofootcandle curves

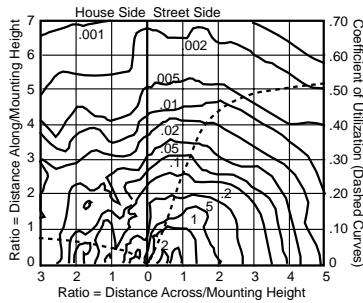
Cat. No. G400MH00LNF
400W Clear MH/Test No. 50281



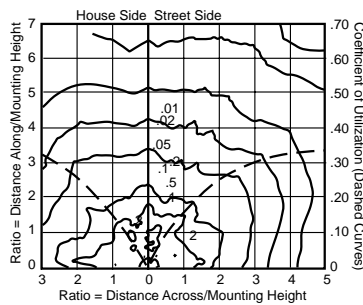
Cat. No. G400MH00HWR
400W Clear MH/Test No. 49981



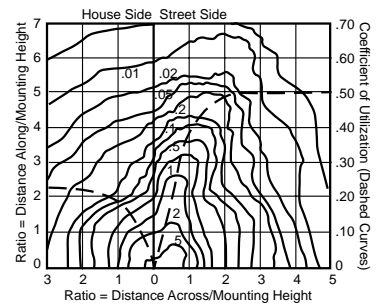
Cat. No. G400MH00LFC
400W Clear MH/Test No. 51028



Cat. No. G400MH00LSC
400W Clear MH/Test No. 51031



Cat. No. G400MH00LWF
400W Clear MH/Test No. 50276



Metal Halide



HOLOPHANE[®]
LEADER IN LIGHTING SOLUTIONS

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