



OptiVision – breakthrough downlight

OptiVision MVP507

OptiVision is an asymmetric downlighting luminaire that combines compact dimensions with very high efficiency. Available with narrow, medium and wide beams for flexibility in application, it provides excellent control of spill light and limitation of glare and upward leakage of light. OptiVision can accommodate metal-halide lamps for good color rendering or high-pressure sodium lamps for economical operation. Excellent spill-light control, limitation of glare and upward leakage of light is secured by asymmetric optics that achieve peak intensity at 60° and a sharp cut-off of light at 80°. The MHN-LA/FC lamps guarantee pleasant and natural color rendering and comfortable atmosphere.

Benefits

- Breakthrough asymmetrical downlighting luminaire combines compact dimensions with high efficiency
- Available with narrow, medium and wide beams for flexibility in use; sharp beam cut-off for excellent control of spill light and limitation of glare and upward light leakage
- Can be used with metal-halide lamps for good color rendering or high-pressure sodium lamps for economical operation

Features

- Compact dimensions
- High efficiency
- Can be used with metal-halide lamps or high-pressure sodium lamps
- Choice of narrow, medium and wide beams
- Control of spill light, glare and upward light leakage

Application

- Sports facilities
- Industrial areas
- Car parks

Specifications

Type	MVP507
Light source	HID:
	- 1 x MASTER MHN-FC / XW / 1000, 2000 W
	- 1 x MASTER MHN-LA / XWH / 1000, 2000 W
	- 1 x MASTER HPI-T Plus / E40 / 1000 W
	- 1 x MASTER SON-T PIA / E40 / 600 W
	- 1 x SON-T / E40 / 600, 1000 W
Lamp included	Yes (K or light color 643, 740, 842 or 956)
	No
Optic	Narrow beam (NB)
	Medium beam (MB)
	Wide beam (WB)
Ignitor	Series (SI), integral
	Parallel (PA), external on a separate gear unit (ECB/ECP330)
Materials and finishing	Housing: non-corrosive, high-pressure die-cast aluminum
	Glass: thermally hardened, 4 mm thick
	Mounting bracket: hot-dipped galvanized steel
	Clips and hinges: stainless steel
	Reflector: high-reflectivity and high-purity anodized aluminum
	Finishing in raw aluminum
Installation	On mast headframe, ceiling and wall mounting
	Protractor scale integrated for aiming
	Ambient temperature outdoor: 35°C
	Drag factor (Cx): 0.447
	Projected area in horizontal position: 0.127 m
	Max adjustment from the horizontal: -10 / +10°, downlighting only

Maintenance	Lamp access by opening the hinged front glass for in-position lamp replacement
	Built-in safety switch to cut off current while opening the luminaire, only in MHN-LA FC lamp versions
	No internal cleaning required
Accessories	Simple aiming device (ZVP507 SAD)
Remarks	Equipped with aluminum connection box with ignitor, installed on a mounting bracket
	Bracket can be inverted to allow mounting above or below a cross arm
	Specially designed heat fins
	Pre-wired external 220 - 240 V / 50 Hz or 380 - 415 V / 50 Hz gear units (ECB/ECP330) are available, to be ordered separately

Product details



In addition, OptiVision can be mounted above or below a crossbar simply by inverting the bracket. This allows multiple lights to be fitted on each mast.

Application conditions	
Maximum dimming level	Not applicable
Approval and application	
Mech. impact protection code	IK08
Surge protection (common/differential)	-
Controls and dimming	
Dimmable	No
General information	
Ball impact resistance mark	Ball Impact Resistance mark
Luminaire light beam spread	-
CE mark	Yes
Optical cover/lens type	FG
Flammability mark	NO
Gear	-
Number of gear units	-
Number of light sources	1
Product family code	MVP507
Light technical	
Standard tilt angle side entry	-
Standard tilt angle post-top	-
Mechanical and housing	
Colour	Aluminum

General information

Order Code	Full Product Name	Light source colour	Lamp family code	Lamp power	Optic type
15196000	MVP507 MHN-LA2000W/842 400V WB SI	842 neutral white	MHN-LA	2000 W	Wide beam
15198400	MVP507 MHN-LA2000W/842 400V NB SI	842 neutral white	MHN-LA	2000 W	Narrow beam
15205900	MVP507 MHN-LA2000W 400V NB SI	-	MHN-LA	2000 W	Narrow beam
15207300	MVP507 MHN-LA2000W/956 400V WB SI	956 daylight	MHN-LA	2000 W	Wide beam
15208000	MVP507 MHN-LA2000W/956 400V MB SI	956 daylight	MHN-LA	2000 W	Medium beam
15209700	MVP507 MHN-LA2000W/956 400V NB SI	956 daylight	MHN-LA	2000 W	Narrow beam
54628500	MVP507 SON-TP600W K WB SI	-	SON-TP	600 W	Wide beam
54629200	MVP507 SON-T1000W K WB SI	-	SON-T	1000 W	Wide beam
54630800	MVP507 MHN-LA1000W/842 230V WB SI	842 neutral white	MHN-LA	1000 W	Wide beam
54632200	MVP507 SON-T1000W WB SI	-	SON-T	1000 W	Wide beam
54633900	MVP507 MHN-LA1000W 230V WB SI	-	MHN-LA	1000 W	Wide beam
29134600	MVP507 MHN-FC2000W/740 400V NB SI	740 neutral white	MHN-FC	2000 W	Narrow beam
29135300	MVP507 MHN-FC2000W/740 400V MB SI	740 neutral white	MHN-FC	2000 W	Medium beam
29136000	MVP507 MHN-FC2000W/740 400V WB SI	740 neutral white	MHN-FC	2000 W	Wide beam
29150600	MVP507 MHN-FC1000W/740 230V MB SI	740 neutral white	MHN-FC	1000 W	Medium beam
29251000	MVP507 MHN-FC1000W/740 230V WB SI	740 neutral white	MHN-FC	1000 W	Wide beam
29577100	MVP507 MHN-LA2000W/842 400V WB SI SL	842 neutral white	MHN-LA	2000 W	Wide beam
29578800	MVP507 MHN-LA2000W/842 400V MB SI SL	842 neutral white	MHN-LA	2000 W	Medium beam
29579500	MVP507 MHN-LA2000W/842 400V NB SI SL	842 neutral white	MHN-LA	2000 W	Narrow beam
29712600	MVP507 MHN-LA2000W/956 400V WB SI SL	956 daylight	MHN-LA	2000 W	Wide beam
29714000	MVP507 MHN-LA2000W/956 400V NB SI SL	956 daylight	MHN-LA	2000 W	Narrow beam
29716400	MVP507 MHN-FC2000W/740 400V MB SI SL	740 neutral white	MHN-FC	2000 W	Medium beam
29717100	MVP507 MHN-FC2000W/740 400V WB SI SL	740 neutral white	MHN-FC	2000 W	Wide beam

Initial performance (IEC compliant)

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Order Code	Full Product Name	Init. Corr. Colour Temperature	Init. Colour rendering index
15196000	MVP507 MHN-LA2000W/842 400V WB SI	4200 K	>80
15198400	MVP507 MHN-LA2000W/842 400V NB SI	4200 K	>80
15205900	MVP507 MHN-LA2000W 400V NB SI	-	-
15207300	MVP507 MHN-LA2000W/956 400V WB SI	5600 K	>90
15208000	MVP507 MHN-LA2000W/956 400V MB SI	5600 K	>90
15209700	MVP507 MHN-LA2000W/956 400V NB SI	5600 K	>90
54628500	MVP507 SON-TP600W K WB SI	2000 K	25
54629200	MVP507 SON-T1000W K WB SI	2000 K	25
54630800	MVP507 MHN-LA1000W/842 230V WB SI	4200 K	>80
54632200	MVP507 SON-T1000W WB SI	-	-
54633900	MVP507 MHN-LA1000W 230V WB SI	-	-
29134600	MVP507 MHN-FC2000W/740 400V NB SI	4000 K	>70
29135300	MVP507 MHN-FC2000W/740 400V MB SI	4000 K	>70

Order Code	Full Product Name	Init. Corr. Colour Temperature	Init. Colour rendering index
29136000	MVP507 MHN-FC2000W/740 400V WB SI	4000 K	>70
29150600	MVP507 MHN-FC1000W/740 230V MB SI	4000 K	>70
29251000	MVP507 MHN-FC1000W/740 230V WB SI	4000 K	>70
29577100	MVP507 MHN-LA2000W/842 400V WB SI SL	4200 K	>80
29578800	MVP507 MHN-LA2000W/842 400V MB SI SL	4200 K	>80
29579500	MVP507 MHN-LA2000W/842 400V NB SI SL	4200 K	>80
29712600	MVP507 MHN-LA2000W/956 400V WB SI SL	5600 K	>90
29714000	MVP507 MHN-LA2000W/956 400V NB SI SL	5600 K	>90
29716400	MVP507 MHN-FC2000W/740 400V MB SI SL	4000 K	>70
29717100	MVP507 MHN-FC2000W/740 400V WB SI SL	4000 K	>70

