

NVMV Ex Pendant Light 70W~250W

Product Instruction

NVMV 70W-250W is designed to optimize Zone 2 gas applications, with standard restricted breathing Ex nR protection, as well as Zone 21 dust applications.

NVMV Series provides an integrated ballast with thermal cut-off functionality incorporated into the control gear. In the event of, abnormal temperatures or when the lamp reaches EOL (end of life), cut-off functionality will automatically disconnect the power in order to protect the ballast from overheating or burn-out.

Product Features

- **Restricted breathing (Ex nR) protection is standard.** This provides better T-ratings, as gases will not enter the lamp chamber and control gear housing.
- **Identical mounting cover for IEC applications.** Regardless of wattage, options and accessories. Reduced inventory costs and provide greater flexibility for engineering designers, customers and distributors.
- **Available with the Champ Quick-Clip.** Quick-Clip secures the housing to the cover, providing faster, easier, and safer luminaire installation.
- Lighter in weight easy for transport and installation.
- Smart designed for ease of installation and maintenance.



Quick-Clip

Technical Data

Marking acc.to ATEX	 Ex nR T...Gc ¹⁾  Ex t IIIC T °C ¹⁾ Db IP66
Marking acc.to IECEx	Ex nR IIC T...(*) Gc, Ex tb IIIC T...°C (*) Db IP66
Marking acc.to GB	Ex nR II T2~T4/DIP A21 T _A , T2~T4 IP66
Degree of protection	IP66
Permissible ambient temperature	-45°C~+55°C
Lamp	HPS: 70W, E27 Lamp base;100W, 150W, 250W, E40 Lamp base MH: 70W, 100W, 150W, E27 Lamp base;250W, E40 Lamp base
Rated voltage	220V, 230V, 240V/50Hz 220V, 230V/60Hz
Power factor	≥ 0.9
Type of mounting	Ceiling, Wall, Stanchion, Pendant (ceiling + NPAM pendant bracket)
Cable entry	M20x1.5, M25x1.5, M32x1.5 NPT1/2", NPT3/4", NPT 1 1/2"
Standard materials	
-Housing	Copper free aluminum with epoxy coat
-Globe	Heat and impact resistant tempered glass
-Guard	Copper free aluminum/ Stainless steel
-External fasten screw	Stainless Steel
-Mounting bracket	Steel with painted power coating
-Reflector (dome and angle)	Krydon fiberglass-reinforced polyester material

¹⁾ please refer to Temperature Class Feature

NVMV Ex Pendant Light 70W~250W

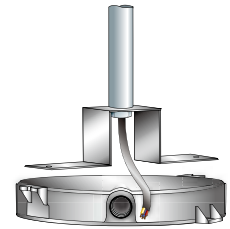
Ordering Logic

Small Body

NVMV	S	1M	C	25	3	P	0	0
Series No.	Lamp Type	Entry Size	Mounting	Power	Voltage	Guard	body	Option
NVMV	S=HPS M=MH	1M=M20 2M=M25 3M=M32 1N=1/2"NPT 2N=3/4"NPT 3N=1"NPT 5N=1 1/2"NPT (stanchion mount)	C=Ceiling mount W=Wall mount J=Stanchion mount	07=70W 10=100W 15=150W 25=250W	3=220V/50Hz 4=220V/60Hz 5=230V/50Hz 6=240V/50Hz 7=230V/60Hz	O=G34 Globe, w/o Guard P=G251 Globe, w/ P22 Aluminum Guard S=G251 Globe, w/ P22 SS304 Guard	0=Small	0=Standard body

Accessories

Product Code	Description
11718	RD70 Dome reflector
9620	RA70 30°Angle reflector
11923847	VMV-S890 MBP (Quick-clip)
CHR7326	NPAM Ø22mm Pendant Bracket (Pendant mount bracket)
CCL1205001	NPAM Ø27mm Pendant Bracket (Pendant mount bracket)



Note: Pendant mount-Ceiling mounting bracket + NPAM bracket.

Temperature Class Feature

NVMV 70W~250W(Small body, w/RD70 or RA70 reflector)

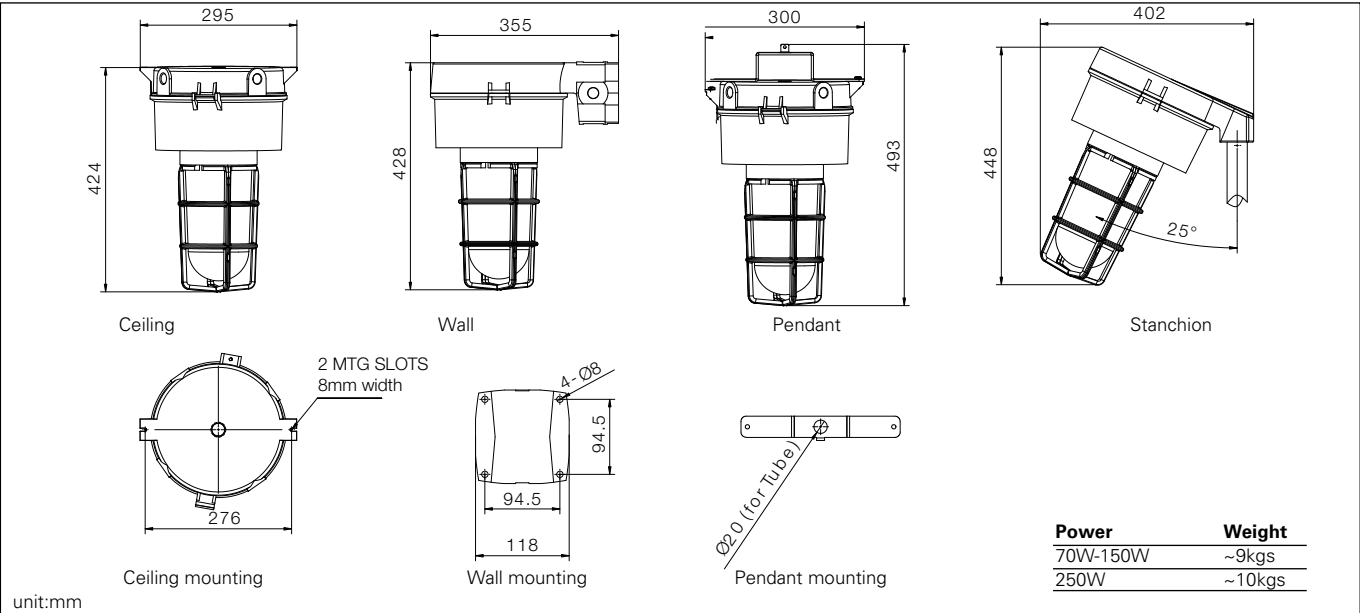
Fixture Catalog No.	Ta	T °C(Gas)						T °C(Dust)					
		G251(P), w/Guard			G34(O), w/o Guard			G251(P), w/Guard			G34(O), w/o Guard		
		40°C	50°C	55°C	40°C	50°C	55°C	40°C	50°C	55°C	40°C	50°C	55°C
HPS													
NVMVS**07**		T4	T4	T4	T4	T4	T4	109°C	119°C	124°C	104°C	114°C	119°C
NVMVS**10**		T4	T3	T3	T4	T4	T4	128°C	138°C	143°C	104°C	114°C	119°C
NVMVS**15**		T3	T3	T3	T3	T3	T3	140°C	150°C	155°C	140°C	150°C	155°C
NVMVS**25**		T2	T2	T2	T3	T2	T2	218°C	228°C	233°C	189°C	199°C	204°C
MH													
NVMVM**07**		T4	T4	T4	T4	T4	T4	109°C	119°C	124°C	104°C	114°C	119°C
NVMVS**10**		T4	T3	T3	T4	T4	T4	128°C	138°C	143°C	104°C	114°C	119°C
NVMVM**15**		T3	T3	T3	T3	T3	T3	140°C	150°C	155°C	140°C	150°C	155°C
NVMVM**25**		T2	T2	T2	T3	T2	T2	218°C	228°C	233°C	189°C	199°C	204°C

NVMV 70~250W(Small body, w/o Reflector)

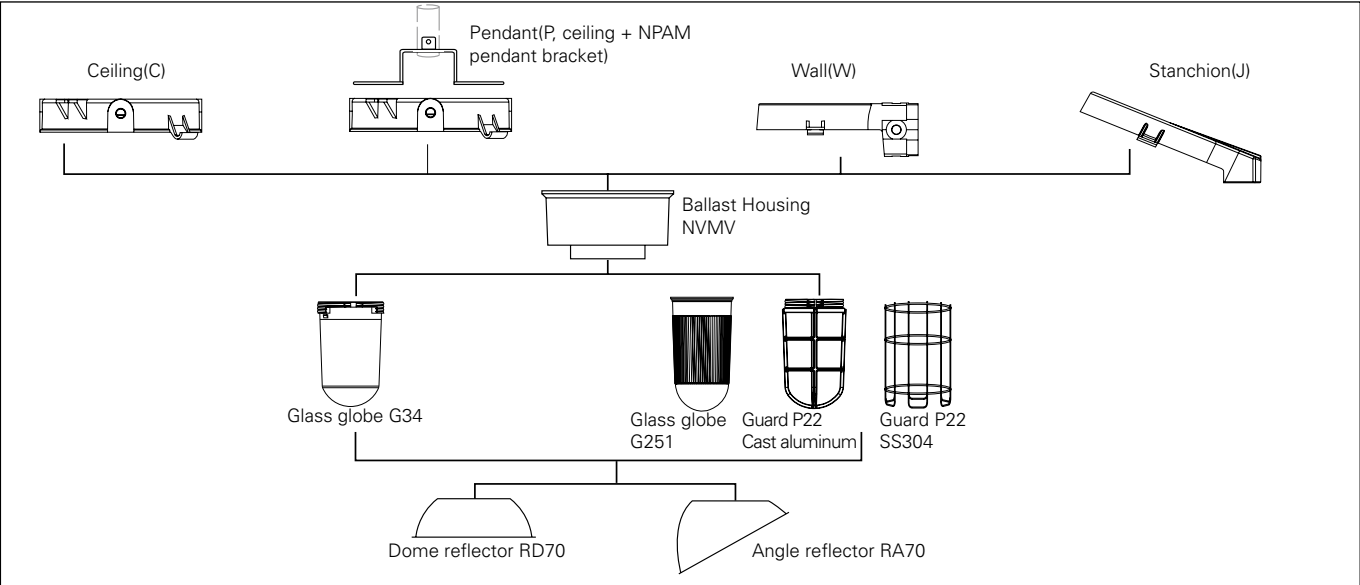
Fixture Catalog No.	Ta	T °C(Gas)						T °C(Dust)					
		G251(P), w/Guard			G34(O), w/o Guard			G251(P), w/Guard			G34(O), w/o Guard		
		40°C	50°C	55°C	40°C	50°C	55°C	40°C	50°C	55°C	40°C	50°C	55°C
HPS													
NVMVS**07**	T4	T4	T4	T4	T4	T4	109°C	119°C	124°C	99°C	109°C	114°C	
NVMVS**10**	T4	T4	T3	T4	T4	T4	117°C	127°C	132°C	99°C	109°C	114°C	
NVMVS**15**	T3	T3	T3	T4	T3	T3	140°C	150°C	155°C	122°C	132°C	137°C	
NVMVS**25**	T3	T3	T3	T3	T3	T3	174°C	184°C	189°C	168°C	178°C	183°C	
MH													
NVMVM**07**	T4	T4	T4	T4	T4	T4	109°C	119°C	124°C	99°C	109°C	114°C	
NVMVS**10**	T4	T4	T3	T4	T4	T4	117°C	127°C	132°C	99°C	109°C	114°C	
NVMVM**15**	T3	T3	T3	T4	T3	T3	140°C	150°C	155°C	122°C	132°C	137°C	
NVMVM**25**	T3	T2	T2	T3	T3	T3	194°C	204°C	209°C	168°C	178°C	183°C	

NVMV Ex Pendant Light 70W~250W

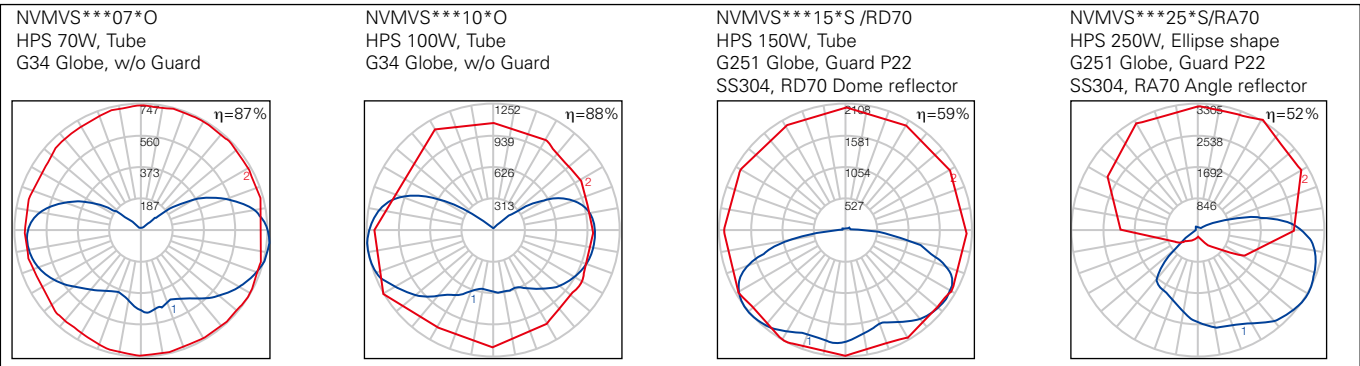
Dimension and Mounting Pattern



Product Series



Polar Curve



NVMV Ex Pendant Light 250W~400W

Product Instruction

NVMV 250W-400W is designed to optimize Zone 2 gas applications, with standard restricted breathing Ex nR protection, as well as Zone 21 dust applications.

NVMV Series provides an integrated ballast with thermal cut-off functionality incorporated into the control gear. In the event of, abnormal temperatures, or when the lamp reaches EOL (end of life), cut-off functionality will automatically disconnect the power in order to protect the ballast from overheating or burn-out.



Product Features

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- **Available with the Champ Quick-Clip.** Quick-Clip secures the housing to the cover, providing faster, easier, and safer luminaire installation.
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Quick-Clip

Technical Data

Marking acc.to ATEX	 Ex nR T...Gc ¹⁾  Ex t IIIC T °C ¹⁾ Db IP66
Marking acc.to IECEx	Ex nR IIC T...(*) Gc, Ex tb IIIC T...°C (*) Db IP66
Marking acc.to GB	Ex nR II T2~T3 / DIP A21 T _A , T2~T3 IP66
Degree of protection	IP66
Permissible ambient temperature	-45°C~+55°C
Lamp	HPS: 250W, 400W, E40 Lamp base MH: 250W, 400W, E40 Lamp base
Rated voltage	220V, 230V, 240V/50Hz 220V, 230V/60Hz
Power factor	≥ 0.9
Type of mounting	Ceiling, Wall, Stanchion, Pendant(ceiling + NPAM pendant bracket)
Cable entry	M20x1.5, M25x1.5, M32x1.5 NPT1/2", NPT3/4", NPT 1 1/2"
Standard materials	
-Housing	Copper free aluminum with epoxy coat
-Globe	Heat and impact resistant tempered glass
-Guard	Copper free aluminum/ Stainless steel
-External fasten screw	Stainless Steel
-Mounting bracket	Steel with painted power coating
-Reflector (dome and angle)	Krydon fiberglass-reinforced polyester material

¹⁾ please refer to Temperature Class Feature

NVMV Ex Pendant Light 250W~400W

Ordering Logic

Large Body

NVMV	S	1M	C	25	3	P	L	0
Series No.	Lamp Type	Entry Size	Mounting	Power	Voltage	Guard	Body	Option
NVMV	HPS MH	1M=M20 2M=M25 3M=M32 1N=1/2"NPT 2N=3/4"NPT 3N=1"NPT 5N=1 1/2"NPT (stanchion mount)	C=Ceiling mount W=Wall mount J=Stanchion mount	25=250W 40=400W	3=220V/50Hz 4=220V/60Hz 5=230V/50Hz 6=240V/50Hz 7=230V/60Hz	O=G303 Globe, w/o Guard P=G303 Globe, w/ P33 SS304 Guard	L=Large	0=standard

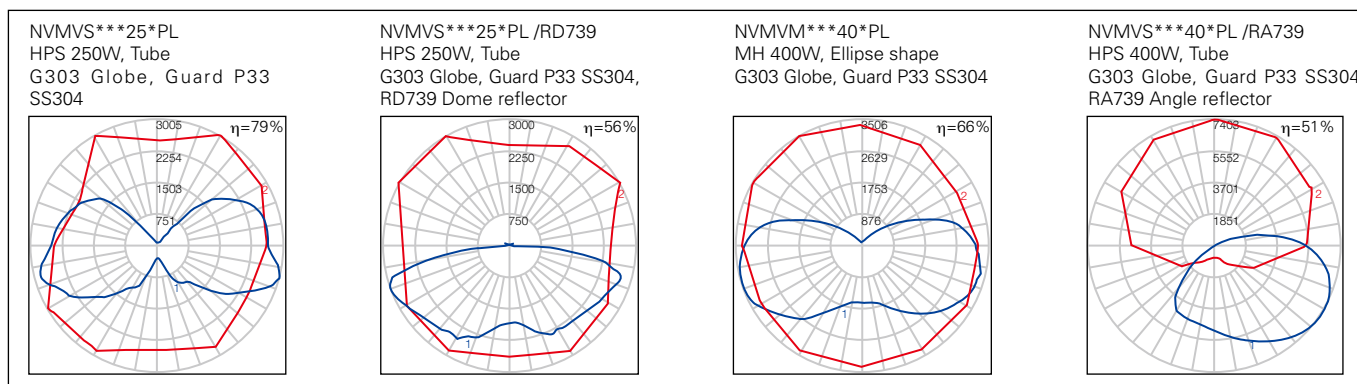
Accessories

Product Code	Description
2590	RD739 Dome reflector
2588	RA739 Angle reflector
11923847	VMV-S890 MBP (Quick-clip)
CHR7326	NPAM C Ø22mm Pendant Bracket (Pendant mount bracket)
CCL1205001	NPAM C Ø27mm Pendant Bracket (Pendant mount bracket)

Temperature Class Feature

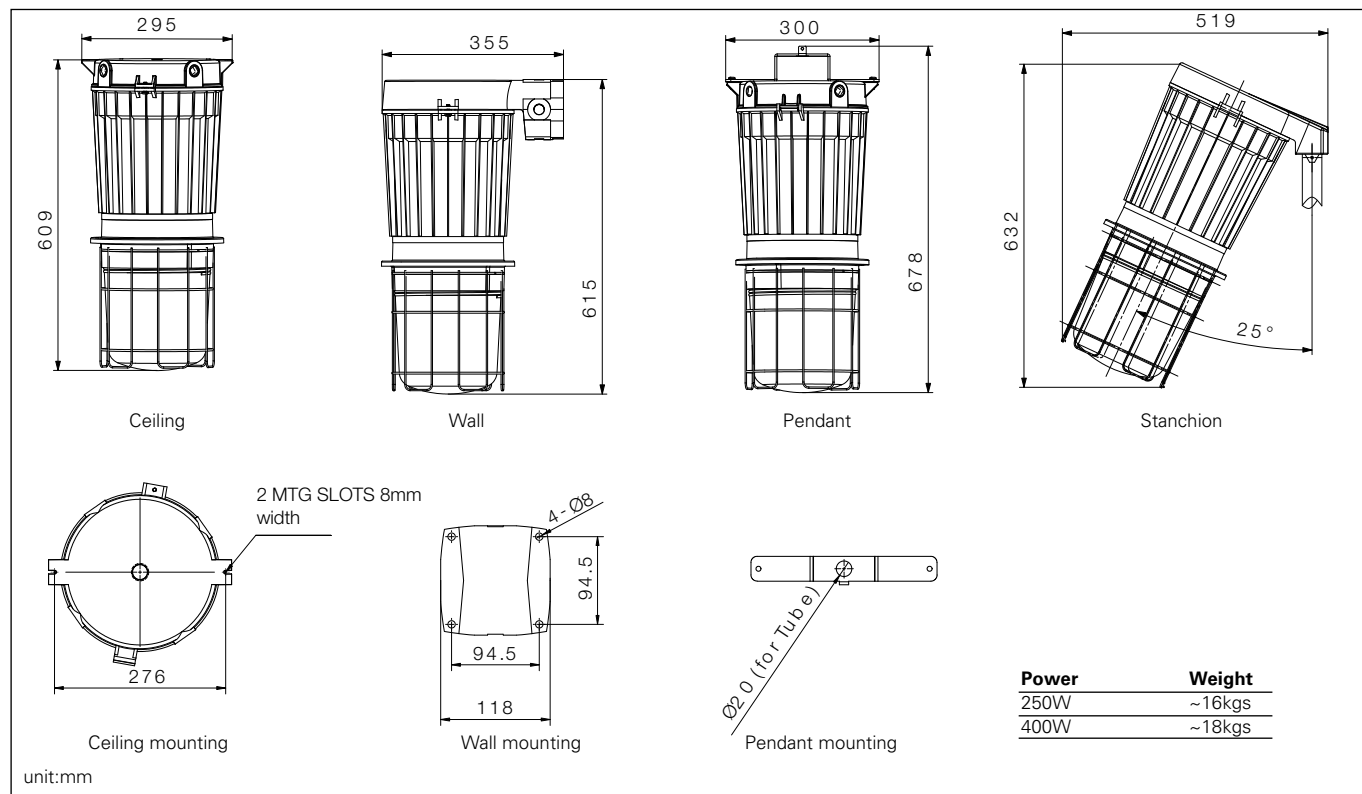
Fixture Catalog No.	Ta	T °C(Gas)						T °C(Dust)					
		w/reflector(RD739 or RA739)			w/o Reflector			w/reflector(RD739 or RA739)			w/o Reflector		
		40°C	50°C	55°C	40°C	50°C	55°C	40°C	50°C	55°C	40°C	50°C	55°C
HPS													
NVMVS**25**		T3	T3	T3	T3	T3	T3	137°C	147°C	152°C	137°C	147°C	152°C
NVMVS**40**		T3	T3	T3	T3	T3	T3	175°C	185°C	190°C	159°C	169°C	174°C
MH													
NVMVM**25**		T3	T3	T3	T3	T3	T3	137°C	147°C	152°C	137°C	147°C	152°C
NVMVM**40**		T3	T2	T2	T3	T3	T3	193°C	203°C	208°C	159°C	169°C	174°C

Polar Curve



NVMV Ex Pendant Light 250W~400W

Dimension and Mounting Pattern



Product Series

