

4.12

Ex-Pendant light fittings and floodlights of the series NVMV

4 (Zone 2, 21, 22)

NVMV pendant light fittings for high-pressure discharge lamps

The NVMV series of pendant light fittings for high-pressure discharge lamps in IEC metallic design is suitable for operation in hazardous areas in Zone 2 and Zones 21/22, in particular in harsh environments with high mechanical load, moisture and dust.

The lights are available in 2 sizes: The small enclosure for lamps from 70 W to 250 W (preferably 70-150 W); the large enclosure for lamps of 250 W and 400 W. All versions can be operated with both HSE and HIE lamps and are suitable for low and medium suspension heights. Thanks to their high degree of ingress protection and wide temperature range, this series can also be used under extreme conditions.

Wide range of applications

The NVMV lighting series is suitable for wall, ceiling and pole mounting. This makes them the ideal solution for almost any industrial applications, such as the illumination of open spaces, indoor areas and roadways in industrial plants in the oil and gas industry, chemical plants, waste disposal facilities, shipyards, power stations and mills.



Features

- NVMV S / M pendant light fittings for high pressure discharge lamps
- From 70 W to 400 W
- Wide temperature range from -45 °C up to +55 °C
- High degree of ingress protection IP66 for harsh environments

Ordering details

Type	Lamp / illuminant	Rated luminous flux	Weight	Cable gland/ thread	Screw plug	Order No.	
NVMV small enclosure, with ceiling mounting							
	S2MC 075 O 00	70 W HSE	5600 lm ¹⁾	7.6 kg	4 x M25 x 1.5	4 x M25	CCL 0807 178E
	S2MC 105 O 00	100 W HSE	8500 lm ¹⁾	7.6 kg	4 x M25 x 1.5	4 x M25	CCL 0807 184E
	S2MC 155 O 00	150 W HSE	14500 lm ¹⁾	7.6 kg	4 x M25 x 1.5	4 x M25	CCL 0807 190E
	S2MC 255 O 00	250 W HSE	27000 lm ¹⁾	7.6 kg	4 x M25 x 1.5	4 x M25	CCL 0807 196E
	M2MC 075 O 00	70 W HIE	5200 lm ¹⁾	7.6 kg	4 x M25 x 1.5	4 x M25	CCL 0807 113E
	M2MC 105 O 00	100 W HIE	8500 lm ¹⁾	7.6 kg	4 x M25 x 1.5	4 x M25	CCL 0807 119E
	M2MC 155 O 00	150 W HIE	12500 lm ¹⁾	7.6 kg	4 x M25 x 1.5	4 x M25	CCL 0807 125E
	M2MC 255 O 00	250 W HIE	19000 lm ¹⁾	7.6 kg	4 x M25 x 1.5	4 x M25	CCL 0807 137E
NVMV small enclosure, with wall mounting							
	S2MW 075 O 00	70 W HSE	5600 lm ¹⁾	8 kg	4 x M25 x 1.5	4 x M25	CCL 0807 202E
	S2MW 105 O 00	100 W HSE	8500 lm ¹⁾	8 kg	4 x M25 x 1.5	4 x M25	CCL 0807 208E
	S2MW 155 O 00	150 W HSE	14500 lm ¹⁾	8 kg	4 x M25 x 1.5	4 x M25	CCL 0807 214E
	S2MW 255 O 00	250 W HSE	27000 lm ¹⁾	8 kg	4 x M25 x 1.5	4 x M25	CCL 0807 220E
	M2MW 075 O 00	70 W HIE	5200 lm ¹⁾	8 kg	4 x M25 x 1.5	4 x M25	CCL 0807 143E
	M2MW 105 O 00	100 W HIE	8500 lm ¹⁾	8 kg	4 x M25 x 1.5	4 x M25	CCL 0807 149E
	M2MW 155 O 00	150 W HIE	12500 lm ¹⁾	8 kg	4 x M25 x 1.5	4 x M25	CCL 0807 155E
	M2MW 255 O 00	250 W HIE	19000 lm ¹⁾	8 kg	4 x M25 x 1.5	4 x M25	CCL 0807 167E
NVMV small enclosure, for pole mounting							
	S5NJ 075 O 00	70 W HSE	5600 lm ¹⁾	8 kg	1 x 1 1/2" NPT		CCL 0807 225E
	S5NJ 105 O 00	100 W HSE	8500 lm ¹⁾	8 kg	1 x 1 1/2" NPT		CCL 0807 226E
	S5NJ 155 O 00	150 W HSE	14500 lm ¹⁾	8 kg	1 x 1 1/2" NPT		CCL 0807 227E
	S5NJ 255 O 00	250 W HSE	27000 lm ¹⁾	8 kg	1 x 1 1/2" NPT		CCL 0807 228E
	M5NJ 075 O 00	70 W HIE	5200 lm ¹⁾	8 kg	1 x 1 1/2" NPT		CCL 0807 172E
	M5NJ 105 O 00	100 W HIE	8500 lm ¹⁾	8 kg	1 x 1 1/2" NPT		CCL 0807 173E
	M5NJ 155 O 00	150 W HIE	12500 lm ¹⁾	8 kg	1 x 1 1/2" NPT		CCL 0807 174E
	M5NJ 255 O 00	250 W HIE	19000 lm ¹⁾	8 kg	1 x 1 1/2" NPT		CCL 0807 176E
NVMV large enclosure, for ceiling mounting							
	S2MC 255 OL 0	250 W HSE	27000 lm ¹⁾	21 kg	4 x M25 x 1.5	4 x M25	CCL 1030 119E
	S2MC 405 OL 0	400 W HSE	48000 lm ¹⁾	21 kg	4 x M25 x 1.5	4 x M25	CCL 1030 145E
	M2MC 255 OL 0	250 W HIE	19000 lm ¹⁾	21 kg	4 x M25 x 1.5	4 x M25	CCL 1030 106E
	M2MC 405 OL 0	400 W HIE	34000 lm ¹⁾	21 kg	4 x M25 x 1.5	4 x M25	CCL 1030 132E
NVMV large enclosure, for wall mounting							
	S2MW 255 OL 0	250 W HSE	27000 lm ¹⁾	21.4 kg	4 x M25 x 1.5	4 x M25	CCL 1030 125E
	S2MW 405 OL 0	400 W HSE	48000 lm ¹⁾	21.4 kg	4 x M25 x 1.5	4 x M25	CCL 1030 151E
	M2MW 255 OL 0	250 W HIE	19000 lm ¹⁾	21.4 kg	4 x M25 x 1.5	4 x M25	CCL 1030 112E
	M2MW 405 OL 0	400 W HIE	34000 lm ¹⁾	21.4 kg	4 x M25 x 1.5	4 x M25	CCL 1030 138E
NVMV large enclosure, for pole mounting							
	S5NJ 255 OL 0	250 W HSE	27000 lm ¹⁾	21.4 kg	1 x 1 1/2" NPT		CCL 1030 130E
	S5NJ 405 OL 0	400 W HSE	48000 lm ¹⁾	21.4 kg	1 x 1 1/2" NPT		CCL 1030 156E
	M5NJ 255 OL 0	250 W HIE	19000 lm ¹⁾	21.4 kg	1 x 1 1/2" NPT		CCL 1030 117E
	M5NJ 405 OL 0	400 W HIE	34000 lm ¹⁾	21.4 kg	1 x 1 1/2" NPT		CCL 1030 143E

¹⁾ depends on used lamps

Accessories for NVMV...

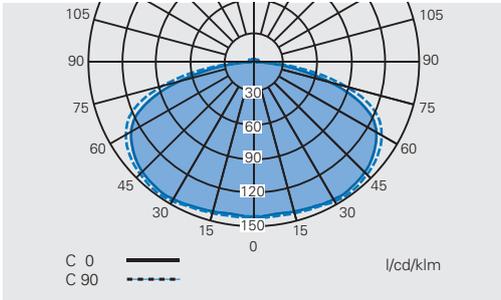
Type	Content	small enclosure	large enclosure	OU	Order No.
P 22	Wire guard made from stainless steel	X		1	78 24
RD 70	External reflector, symmetrically	X		1	11 718
RD 739	External reflector, symmetrically		X	1	25 90
RA 70	External reflector, asymmetrically	X		1	96 20
RA 739	External reflector, asymmetrically		X	1	25 88
S 890	Quick installation bracket	X		1	11 923 847
CHR	Installation bracket for rope/chain fixing method	X	X	1	CHR 7326
P 33	Wire guard made from stainless steel		X	1	26 249
HSE 70 W	High pressure sodium lamp 70 W E27	X		1	3 2475 900 012
HSE 100 W	High pressure sodium lamp 100 W E40	X		1	3 2475 900 013
HSE 150 W	High pressure sodium lamp 150 W E40	X		1	3 2475 900 014
HSE 250 W	High pressure sodium lamp 250 W E40	X	X	1	CGS 3238 600 P1009
HSE 400 W	High pressure sodium lamp 400 W E40			1	CGS 3238 700 P1009
HIE 70 W	High pressure metal halide lamp 70 W E27	X		1	3 2475 900 010
HIE 100 W	High pressure metal halide lamp 100 W E27	X		1	3 2475 900 011
HIE 150 W	High pressure metal halide lamp 150 W E40	X		1	on request
HIE 250 W/	High pressure metal halide lamp 250 W E40	X	X	1	3 2475 900 017
HIE 400 W/	High pressure metal halide lamp 400 W E40	X	X	1	3 2475 900 018

Scope of delivery without lamp and fixing accessories, if not stated otherwise.

Metal cable glands see catalogue part 2: 2.3.12 ff

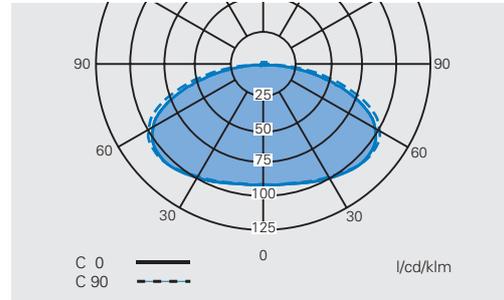
NVMV small enclosure

**Polar curve NVMV 70 - 250 W
(with external reflector RD 70)**

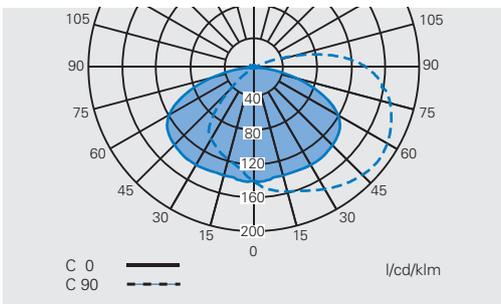


NVMV large enclosure

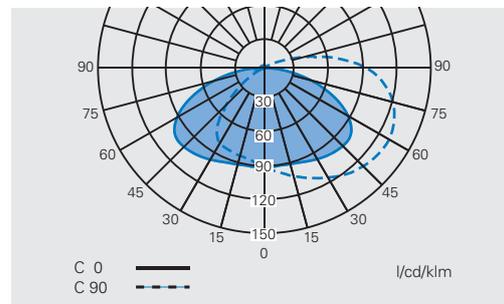
**Polar curve NVMV 250 - 400 W
(with external reflector RD 739)**



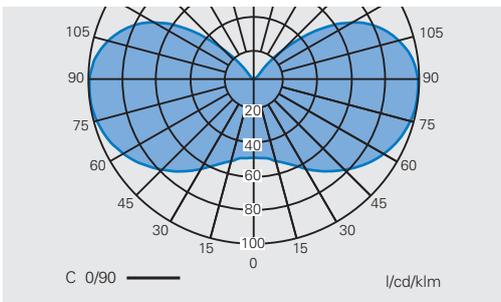
**Polar curve NVMV 70 - 250 W
(with external reflector RA 70)**



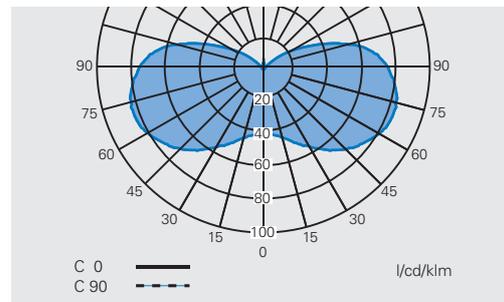
**Polar curve NVMV 250 - 400 W
(with external reflector RA 739)**



**Polar curve NVMV 70 - 250 W
(without external reflector)**



**Polar curve NVMV 250 - 400 W
(without external reflector)**



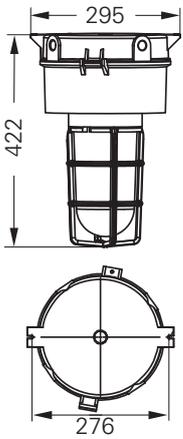
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Dimension drawing

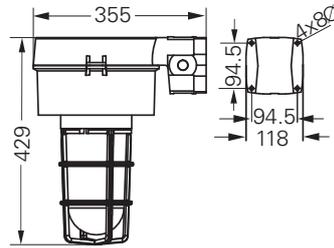
NVMV

NVMV small enclosure

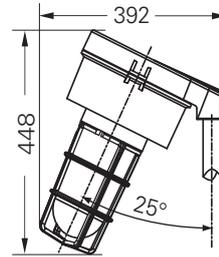
Ceiling mounting



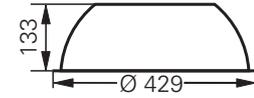
Wall mounting



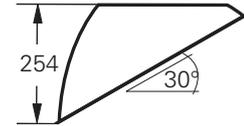
Pole mounting 25 °



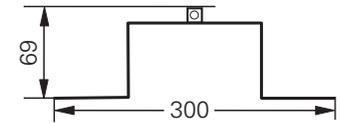
Reflector RD70



Reflector RD70

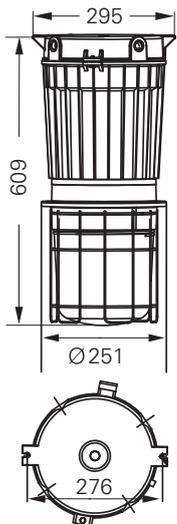


Mounting bracket

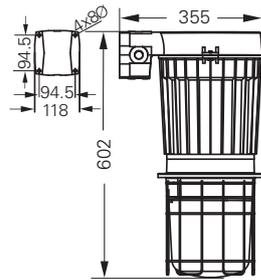


NVMV large enclosure

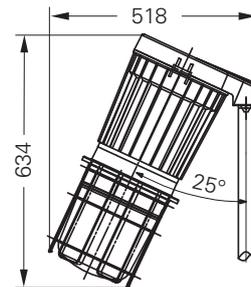
Ceiling mounting



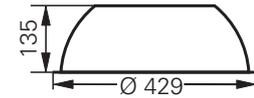
Wall mounting



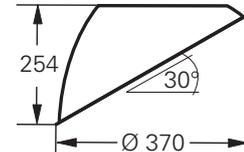
Pole mounting 25 °



Reflector RD 739



Reflector RD 739





Technical data

	NVMV - small enclosure	NVMV - large enclosure
Type Examination Certificate	LCIE 10 ATEX 1005 (Gas) LCIE 10 ATEX 3029 (Dust)	LCIE 10 ATEX 1005 (Gas) LCIE 10 ATEX 3029 (Dust)
EC-Type Examination Certificate	⊕ II 3 G Ex nR IIC T ¹⁾ ⊕ II 2 D Ex tb IIIC T ¹⁾ °C Db IP66	⊕ II 3 G Ex nR IIC T ¹⁾ ⊕ II 2 D Ex tb IIIC T ¹⁾ °C Db IP66
Permissible ambient temperature	-45 °C up to +55 °C	-45 °C up to +55 °C
Rated voltage	230 V AC ²⁾	230 V AC ²⁾
Frequency	50 Hz ²⁾	50 Hz ²⁾
Power factor cos φ	> 0.9	> 0.9
Circuit	conventional ballast	conventional ballast
Protection class	I	I
Lamp / Illuminant	HSE / HIE 70 - 150 W	HSE / HIE 250 - 400 W
Lamp name	High pressure sodium lamp / Metal-Halide lamp	High pressure sodium lamp / Metal-Halide lamp
Rated luminous flux	¹⁾	¹⁾
Lamp cap	E27 / E40	E40
Light output ratio	74 %	78 %
Connecting terminals	L, N, PE max. 2 x 2.5 mm ²	L, N, PE max. 2 x 2.5 mm ²
Enclosure colour	grey	grey
Enclosure material	light alloy with powder coating	light alloy with powder coating
Weight	7.6 kg	21 kg
Cable glands / gland plates / enclosure drilling	thread 4 x M25 x 1.5 with Blanking plug	thread 4 x M25 x 1.5 with Blanking plug
Degree of protection accd. to EN 60529	IP66	IP66
Protective cover / protective bowl	borosilicate glass	borosilicate glass

Additional luminaire data

Type	Power	luminous flux of the luminaire ³⁾	Temperature class II 2 G		max. surface temp. II 2 D	
			without reflector	with reflector	without reflector	with reflector
NVMV... (small enclosure - SE)						
HSE	70 W	5600 lm	T4	T4	114 °C	119 °C
HSE	100 W	8800 lm	T4	T4	114 °C	119 °C
HSE	150 W	14000 lm	T3	T3	137 °C	155 °C
HSE	250 W	25000 lm	T3	T2	183 °C	204 °C
HIE	70 W	5100 lm	T4	T4	114 °C	119 °C
HIE	100 W	7800 lm	T4	T4	114 °C	119 °C
HIE	150 W	11000 lm	T3	T3	137 °C	155 °C
HIE	250 W	19000 lm	T3	T2	183 °C	204 °C
NVMV... (large enclosure - LE)						
HSE	250 W	25000 lm	T3	T3	152 °C	152 °C
HSE	400 W	48000 lm	T3	T3	174 °C	190 °C
HIE	250 W	33000 lm	T3	T3	152 °C	152 °C
HIE	400 W	34000 lm	T3	T2	174 °C	208 °C

¹⁾ see table luminaire data

²⁾ other voltages and Frequencies on request

³⁾ depends on used lamps