

Ordering details

Type	Lamp / Illuminant	Rated luminous flux of the luminaire	Weight	Cable gland/ thread	Screw plug	Order No.
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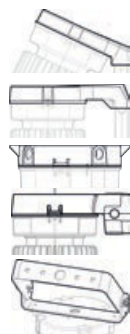


VMV LED lamp module with LEDs (without top mounting module, please order separately)

VMV LED 3L	41 W Type V	3515 lm	8.1 kg	—	—	1 2364 745
VMV LED 5L	67 W Type V	5288 lm	8.1 kg	—	—	1 2364 746
VMV LED 7L	94 W Type V	7404 lm	8.1 kg	—	—	1 2365 201
VMV LED 9L	114 W Type V	9515 lm	8.1 kg	—	—	1 2365 202
VMV LED 11L	118 W Type V	10935 lm	8.1 kg	—	—	1 2396 576
VMV LED 3L	41 W Type I	3515 lm	8.1 kg	—	—	1 2374 698
VMV LED 5L	67 W Type I	5288 lm	8.1 kg	—	—	1 2375 046
VMV LED 7L	94 W Type I	7404 lm	8.1 kg	—	—	1 2375 106
VMV LED 9L	114 W Type I	9515 lm	8.1 kg	—	—	1 2375 186
VMV LED 11L	118 W Type I	10935 lm	8.1 kg	—	—	1 2401 259
VMV LED 3L	41 W Type III	3515 lm	8.1 kg	—	—	1 2374 782
VMV LED 5L	67 W Type III	5288 lm	8.1 kg	—	—	1 2375 047
VMV LED 7L	94 W Type III	7404 lm	8.1 kg	—	—	1 2375 107
VMV LED 9L	114 W Type III	9515 lm	8.1 kg	—	—	1 2375 187
VMV LED 11L	118 W Type III	10935 lm	8.1 kg	—	—	1 2402 998

VMV LED top mounting module, (without lamp module, please order separately)

JM5	top mounting module for 1 1/2" pole mounting, 25°	1.6 kg	1 x 3/4" thread	—	—	22 250
PM5	top mounting module for 1 1/2" pole mounting, straight	2.5 kg	1 x 3/4" thread	—	—	00 080
CM25	top mounting module with M25 ceiling mounting	1.3 kg	4 x M25 thread	4 x M25	—	1 1669 290
TWM25	top mounting module with M25 wall mounting	2.0 kg	4 x M25 thread	4 x M25	—	1 2455 089
S812	mounting bracket (can only be used with top mounting module CM25)	1.0 kg	—	—	—	1 2268 927



Type	Lamp / Illuminant	Rated luminous flux ¹⁾	Weight	Cable gland/ thread	Screw plug	Order No.
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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



¹⁾ depends on used lamps

Scope of delivery without lamp and fixing accessories, if not stated otherwise.
Metal cable glands see catalogue part 2: 2.3.12 ff

Ordering details

Type	Lamp / illuminant	Rated luminous flux	Weight	Cable gland/ thread	Screw plug	Order No.
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

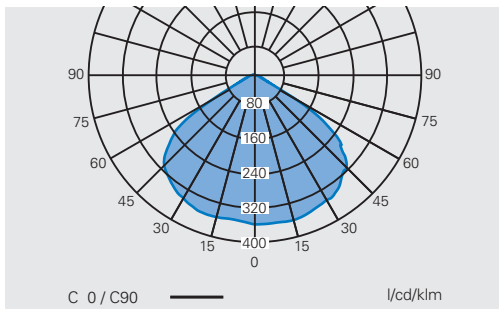
¹⁾ depends on used lamps

Accessories for NVMV...

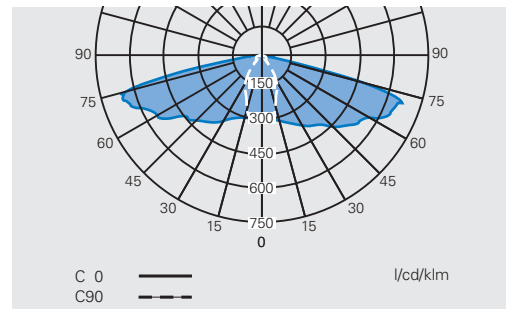
Type	Content	small enclosure	large enclosure	OU	Order No.
P 22	Wire guard made from stainless steel	X		1	7824
RD 70	External reflector, symmetrically	X		1	11718
RD 739	External reflector, symmetrically		X	1	2590
RA 70	External reflector, asymmetrically	X		1	9620
RA 739	External reflector, asymmetrically		X	1	2588
S 890	Quick installation bracket	X		1	11923847
CHR	Installation bracket for rope/chain fixing method	X	X	1	CHR7326
P 33	Wire guard made from stainless steel		X	1	26249
HSE 150 W	High pressure sodium lamp 150 W E40			1	NOR 000 000 511 300
HSE 250 W	High pressure sodium lamp 250 W E40			1	CGS 3238 600 P1009
HSE 400 W	High pressure sodium lamp 400 W E40			1	CGS 3238 700 P1009

Scope of delivery without lamp and fixing accessories, if not stated otherwise.
Metal cable glands see catalogue part 2: 2.3.12 ff

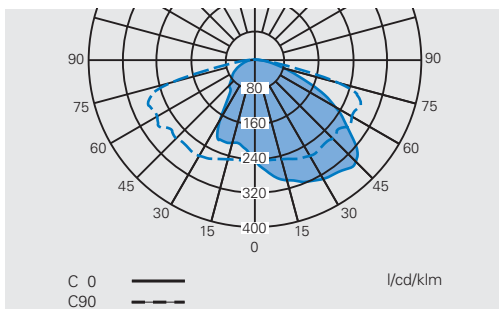
Polar curve VMV LED Type V



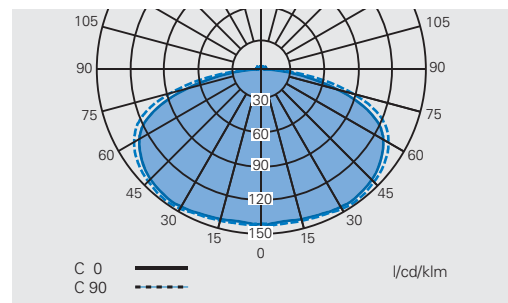
Polar curve VMV LED Type I



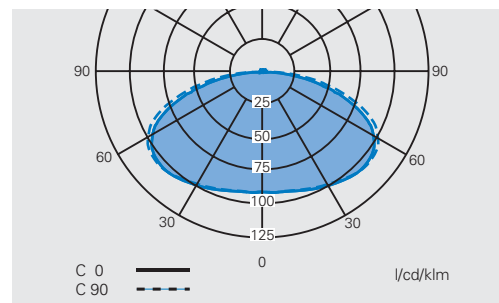
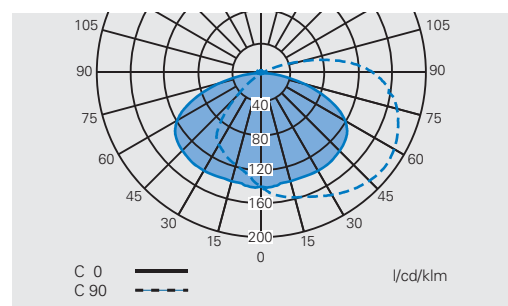
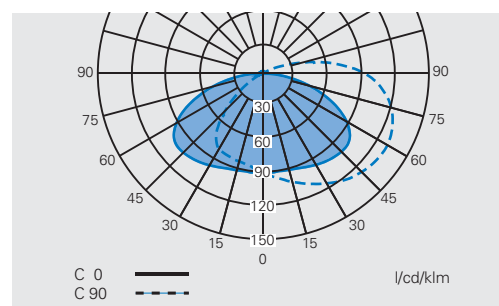
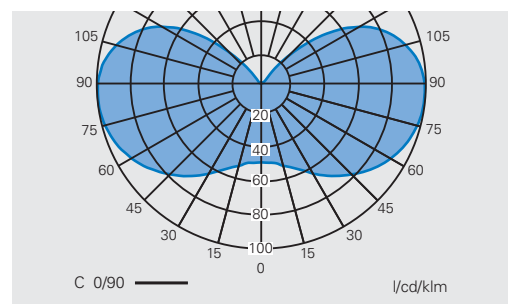
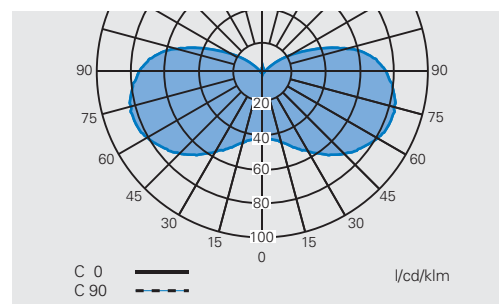
Polar curve VMV LED Type III



NVMV small enclosure

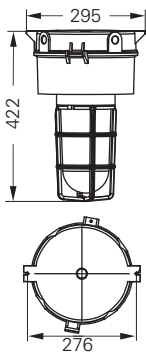
Polar curve NVMV 70 - 250 W
(with external reflector RD 70)

NVMV large enclosure

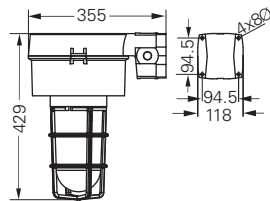
Polar curve NVMV 250 - 400 W
(with external reflector RD 739)Polar curve NVMV 70 - 250 W
(with external reflector RA 70)Polar curve NVMV 250 - 400 W
(with external reflector RA 739)Polar curve NVMV 70 - 250 W
(without external reflector)Polar curve NVMV 250 - 400 W
(without external reflector)

NVMV small enclosure

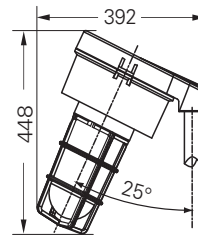
Ceiling mounting



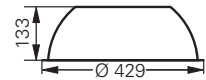
Wall mounting



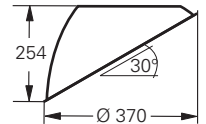
Pole mounting 25 °



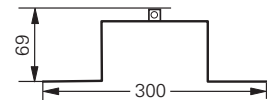
Reflector RD70



Reflector RD70

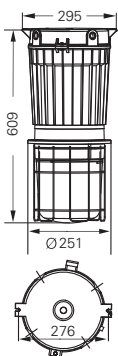


Mounting bracket

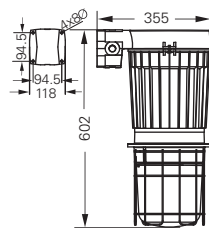


NVMV large enclosure

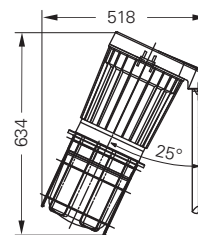
Ceiling mounting



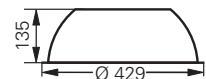
Wall mounting



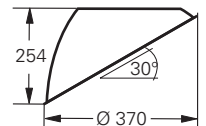
Pole mounting 25 °



Reflector RD 739

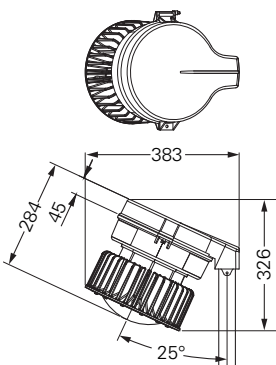


Reflector RD 739

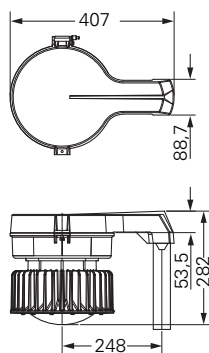


VMV LED

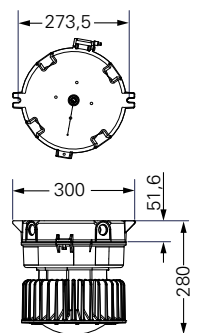
with top mounting module JM5



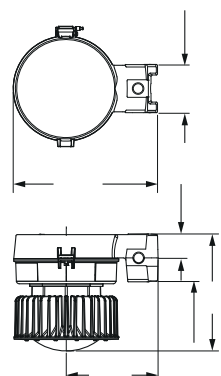
with top mounting module PM5



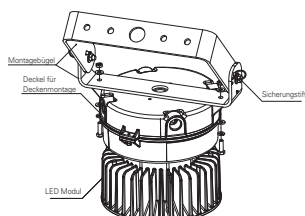
with top mounting module CM25



with top mounting module TWM25



Mounting bracket S812





4 Technical data

VMV LED 3L - 11L

Type Examination Certificate	DEMKO 13 ATEX 1305741X
EC-Type Examination Certificate	DEMKO 13 ATEX 1475031X
IECEx Certificate of Conformity	IECEx UL 13.0052X
Marking accd. to 94/9/EC	Ex II 3 G Ex nA nR IIC T6/T5 Gc Ex II 2 D Ex tb IIIC T87/72 °C Db IP66
Marking accd. to IECEx	Ex nA nR IIC T5 Gc / Ex tb IIIC T87 °C/T72 °C Db IP66
Permissible ambient temperature	-40 °C up to +55 °C
Rated voltage	120 - 277 V AC
Frequency	50 - 60 Hz
Power	41 - 118 W
Power factor cos φ	0.9
Circuit	electronic driver
Protection class	I
Lamp / Illuminant	LED System, scope of delivery
Rated luminous flux of the luminaire	¹⁾
Dimensions (L x W x H)	280 x 295 x 230 mm
Connecting terminals	L, N, PE max. 2 x 2.5 mm ²
Enclosure colour	grey/black
Enclosure material	Copper-free aluminium with epoxy-powder coating
Weight	9.1 kg
Degree of protection accd. to EN 60529	IP66
Protective cover / protective bowl	Heat- and impact-resistant glass

¹⁾ see table luminaire data

Additional luminaire data

Type	Power	luminous flux of the luminaire	Temperature class II 3 G		max. surface temp. II 2 D	
			TU ≤ 40 °C	TU ≤ 55 °C	TU ≤ 40 °C	TU ≤ 55 °C
VMV LED						
VMV 3L LED	41 W	3515 lm	T6	T5	T72 °C	T87 °C
VMV 5L LED	67 W	5288 lm	T6	T5	T72 °C	T87 °C
VMV 7L LED	94 W	7404 lm	T6	T5	T72 °C	T87 °C
VMV 9L LED	114 W	9515 lm	T6	T5	T72 °C	T87 °C
VMV 11L LED	118 W	10935 lm	T6	T5	T72 °C	T87 °C



Technical data

4

	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 T¹⁾ II 2 D Ex tb IIIC T¹⁾ °C Db IP66	II 3 G Ex nR IIC T¹⁾ II 2 D Ex tb IIIC T¹⁾ °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 efficiency in operation	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 °T
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