

Ordering details

Type	Lamp / Illuminant	Rated luminous flux ²⁾	Weight	Metal thread	Threaded plug	Dust cap	Order No.
EV. ...							
EVS 70 ZM	HSE 70 W	5600 lm	14 kg	2 x M25	1 x M25 Ex-e	x	NOR 000 115 110 880
EVS 70 ZM, -45 °C up to +55 °C	HSE 70 W	5600 lm	14 kg	2 x M25	1 x M25 Ex-e	x	NOR 000 115 110 886
EVM 125 ZM	HME 125 W	6300 lm	14 kg	2 x M25	1 x M25 Ex-e	x	NOR 000 115 110 879
EVM 125 ZM, -45 °C up to +55 °C	HME 125 W	6300 lm	14 kg	2 x M25	1 x M25 Ex-e	x	NOR 000 115 110 884
EVS 150 ZM	HSE 150 W	14000 lm	22.4 kg	2 x M25	1 x M25 Ex-e	x	NOR 000 115 110 883
EVS 150 ZM, -45 °C up to +55 °C	HSE 150 W	14000 lm	22.4 kg	2 x M25	1 x M25 Ex-e	x	NOR 000 115 110 887
EVM 250 ZM	HME 250 W	13000 lm	22.4 kg	2 x M25	1 x M25 Ex-e	x	NOR 000 115 110 881
EVM 250 ZM, -45 °C up to +55 °C	HME 250 W	13000 lm	22.4 kg	2 x M25	1 x M25 Ex-e	x	NOR 000 115 110 885
EVS 250 ZM	HSE 250 W	25000 lm	22.4 kg	2 x M25	1 x M25 Ex-e	x	NOR 000 115 110 882
EVS 250 ZM, -45 °C up to +55 °C	HSE 250 W	25000 lm	22.4 kg	2 x M25	1 x M25 Ex-e	x	NOR 000 115 110 888
EVH 250 ZM	HIE 250 W	17000 lm	22.4 kg	2 x M25	1 x M25 Ex-e	x	NOR 000 115 110 945
EVH 250 ZM, -45 °C up to +55 °C	HIE 250 W	17000 lm	22.4 kg	2 x M25	1 x M25 Ex-e	x	NOR 000 115 110 889
dHLS 85 ...							
dHLS 85250 HME IND	HME 250 W	13000 lm	30 kg	1 x M25 Ex-e	1 x M25 Ex-e	x	CGS 123 8688 P0001
dHLS 85250 HME KOMP ¹⁾	HME 250 W	13000 lm	37 kg	1 x M25 Ex-e	1 x M25 Ex-e	x	CGS 123 8688 P1001
dHLS 85250 HSE IND	HSE 250 W	25000 lm	30 kg	1 x M25 Ex-e	1 x M25 Ex-e	x	CGS 123 8688 P2001
dHLS 85250 HSE KOMP ¹⁾	HSE 250 W	25000 lm	37 kg	1 x M25 Ex-e	1 x M25 Ex-e	x	CGS 123 8688 P3001
dHLS 85400 HME IND	HME 400 W	22000 lm	30 kg	1 x M25 Ex-e	1 x M25 Ex-e	x	CGS 123 8788 P0001
dHLS 85400 HME KOMP ¹⁾	HME 400 W	22000 lm	37 kg	1 x M25 Ex-e	1 x M25 Ex-e	x	CGS 123 8788 P1001
dHLS 85400 HSE IND	HSE 400 W	48000 lm	30 kg	1 x M25 Ex-e	1 x M25 Ex-e	x	CGS 123 8788 P2001
dHLS 85400 HSE KOMP ¹⁾	HSE 400 W	48000 lm	37 kg	1 x M25 Ex-e	1 x M25 Ex-e	x	CGS 123 8788 P3001
dHLS 85400 HSE IND -50 °C up to +50 °C	HSE 400 W	48000 lm	30 kg	1 x M25 Ex-e	1 x M25 Ex-e	x	CGS 123 8788 P2002
EVZ small enclosure							
EVZIS2M075 - 230 V AC	HSE 70 W	5600 lm	10 kg	2 x M25	1 x M25 Ex-e	x	CCL 1077 028 /S6E
EVZIS2M076 - 240 V AC	HSE 70 W	5600 lm	10 kg	2 x M25	1 x M25 Ex-e	x	CCL 1077 040 /S6E
EVZIS2M105 - 230 V AC	HSE 100 W	8800 lm	11 kg	2 x M25	1 x M25 Ex-e	x	CCL 1077 088 /S6E
EVZIS2M106 - 240 V AC	HSE 100 W	8800 lm	11 kg	2 x M25	1 x M25 Ex-e	x	CCL 1077 100 /S6E
EVZIS2M155 - 230 V AC	HSE 150 W	14000 lm	12 kg	2 x M25	1 x M25 Ex-e	x	CCL 1077 148 /S6E
EVZIS2M156 - 240 V AC	HSE 150 W	14000 lm	12 kg	2 x M25	1 x M25 Ex-e	x	CCL 1077 160 /S6E
EVZIM2M075 - 230 V AC	HIE 70 W	5100 lm	10 kg	2 x M25	1 x M25 Ex-e	x	CCL 1077 034 /S6E
EVZIM2M076 - 240 V AC	HIE 70 W	5100 lm	10 kg	2 x M25	1 x M25 Ex-e	x	CCL 1077 046 /S6E
EVZIM2M105 - 230 V AC	HIE 100 W	7800 lm	11 kg	2 x M25	1 x M25 Ex-e	x	CCL 1077 094 /S6E
EVZIM2M106 - 240 V AC	HIE 100 W	7800 lm	11 kg	2 x M25	1 x M25 Ex-e	x	CCL 1077 106 /S6E
EVZIM2M155 - 230 V AC	HIE 150 W	11000 lm	12 kg	2 x M25	1 x M25 Ex-e	x	CCL 1077 154 /S6E
EVZIM2M156 - 240 V AC	HIE 150 W	11000 lm	12 kg	2 x M25	1 x M25 Ex-e	x	CCL 1077 166 /S6E

¹⁾ with installed ballast enclosure on top $\cos \varphi \geq 0.9$

²⁾ 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 ²⁾	Weight	Metal thread	Threaded plug	Dust cap	Order No.
EVZ large enclosure							
EVZIS2M255 - 230 V AC	HSE 250 W	25000 lm	16 kg	2 x M25	1 x M25 Ex-e	x	CCL 1075 088 /S6E
EVZIS2M256 - 240 V AC	HSE 250 W	25000 lm	16 kg	2 x M25	1 x M25 Ex-e	x	CCL 1075 100 /S6E
EVZIS2M405 - 230 V AC	HSE 400 W	48000 lm	18 kg	2 x M25	1 x M25 Ex-e	x	CCL 1075 136 /S6E
EVZIS2M406 - 240 V AC	HSE 400 W	48000 lm	18 kg	2 x M25	1 x M25 Ex-e	x	CCL 1075 142 /S6E
EVZIS2M605 - 230 V AC	HST 600 W	90000 lm	20 kg	2 x M25	1 x M25 Ex-e	x	CCL 1075 196 /S6E
EVZIS2M606 - 240 V AC	HST 600 W	90000 lm	20 kg	2 x M25	1 x M25 Ex-e	x	CCL 1075 202 /S6E
EVZIM2M255 - 230 V AC	HIE 250 W	17000 lm	16 kg	2 x M25	1 x M25 Ex-e	x	CCL 1075 094 /S6E
EVZIM2M256 - 240 V AC	HIE 250 W	17000 lm	16 kg	2 x M25	1 x M25 Ex-e	x	CCL 1075 106 /S6E
EVZIM2M405 - 230 V AC	HIT 400 W	33000 lm	18 kg	2 x M25	1 x M25 Ex-e	x	CCL 1075 166 /S6E
EVZIM2M406 - 240 V AC	HIT 400 W	33000 lm	18 kg	2 x M25	1 x M25 Ex-e	x	CCL 1075 172 /S6E

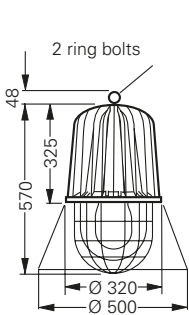
²⁾ depends on used lamps

Accessories

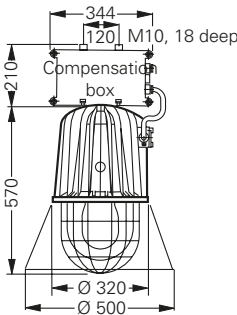
Type	Content	Application	OU	Order No.
G. EV 200	Wire guard	EV.. 70-125 ..	1	NOR 000 005 110 860
G. EV 500	Wire guard	EV.. 150-250 ..	1	NOR 000 005 110 878
PC. EV 200	External reflector	EV.. 70-125 ..	1	NOR 000 005 110 894
PC. EV 500	External reflector	EV.. 150-250 ..	1	NOR 000 005 110 901
KEY, EV	Luminaire key	EV..	1	NOR 000 005 110 886
CEV/AB	Eye bolt	EV..	1	NOR 000 005 110 852
SPU.EV/AB	Wall mounting bracket, adjustable	EV..	1	NOR 000 005 110 951
AS.EV	Ceiling bracket	EV..	1	NOR 000 005 110 828
BC. EV Ø 44 – 64 mm	Pole mounting bracket	EV..	1	NOR 000 005 110 836
SP. EV 200	Wall mounting bracket	EV 70...-125 ..	1	NOR 000 005 110 935
SP. EV 500	Wall mounting bracket	EV 150...-250 ..	1	NOR 000 005 110 943
RS	Eye bolt M10 (10 pcs.) galvanised	dHLS 85	1	GHG 690 1921 R0003
L 218	Mounting bracket for inductive version	dHLS 85	1	GHG 690 1913 R0001
L 430	Mounting bracket for compensated version	dHLS 85	1	GHG 690 1913 R0002
AR	External reflector metal, powder coating white	dHLS 85	1	CGS 223 7990 P1000
U-bracket for ceiling- and wall mounting		EVZ - small enclosure	1	CCL1076001
U-bracket for ceiling- and wall mounting		EVZ - large enclosure	1	CCL1076002
U-bracket for pole mounting		EVZ	1	CCL1076003
RA725	Asymmetrical external reflector	EVZ - small enclosure	1	750283
RD725	Symmetrical external reflector	EVZ - small enclosure	1	750286
RA	Asymmetrical external reflector	EVZ - large enclosure	1	CHR9973
RD	Symmetrical external reflector	EVZ - large enclosure	1	CHR9972
Wire guard Stainless steel SS316		EVZ - small enclosure	1	CHR8138
Wire guard Stainless steel SS316		EVZ - large enclosure	1	CHR7870
Eye bolt		EVZ	1	CHR6196

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

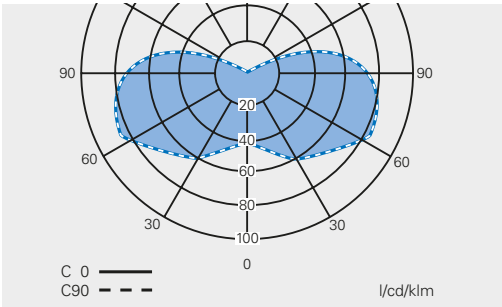
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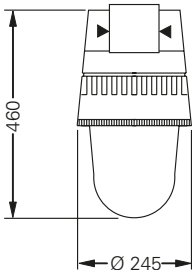
dHLS 85 ... comp.



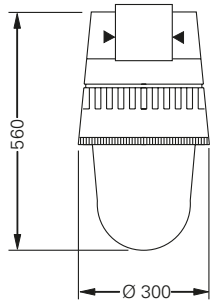
Polar curve without external reflector dHLS



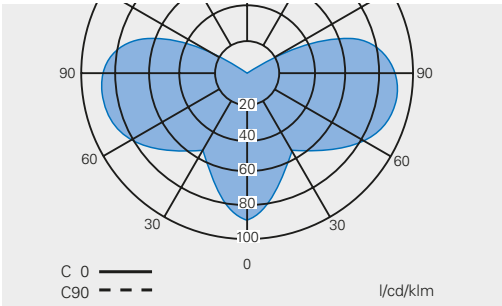
EV ... 70 - 125 ZM



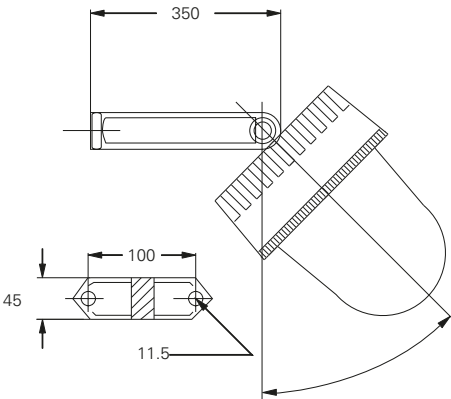
EV ... 150 - 250 ZM



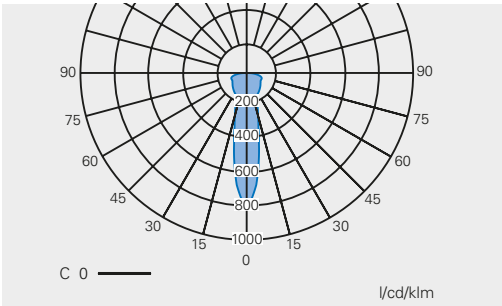
Polar curve EV 200/500 without external reflector



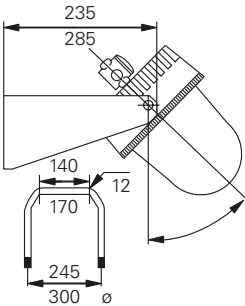
SPU EV/AB



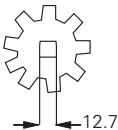
Polar curve EV 200/500 with external reflector



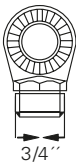
SPEV 200/500



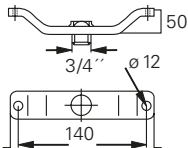
KEY.EV



CEV/AB



AS.EV



Dimensions in mm



Technical data

4

	EV. ≤ 125 W (small enclosure)	EV. ≤ 250 W (large enclosure)
EC-Type Examination Certificate	LOM 02 ATEX 2012 X	LOM 02 ATEX 2012 X
IECEx Certificate of Conformity	IECEx BKI 07.0031X	IECEx BKI 07.0031X
Marking accd. to 94/9/EC	II 2 G Ex de IIC T ¹⁾ II 2 D IP67 T ¹⁾ °C	II 2 G Ex de IIC T ¹⁾ II 2 D IP67 T ¹⁾ °C
Marking accd. to IECEx	Ex de IIC T ¹⁾ Ex tD A21 IP67 T ¹⁾	Ex de IIC T ¹⁾ Ex tD A21 IP67 T ¹⁾
Permissible ambient temperature	-20 °C up to +55 °C -45 °C up to +55 °C (option)	-20 °C up to +55 °C -45 °C up to +55 °C (option)
Rated voltage	230 V AC	230 V AC
Frequency	50 Hz	50 Hz
Power factor cos φ	≥ 0.85	≥ 0.85
Circuit	electromagnetical	electromagnetical
Protection class	I	I
Lamp / Illuminant	HME 125 W, HSE 70 W	HME 250 W, HSE 150 - 250 W, HIE 250 W
Lamp name	Mercury vapour, high pressure sodium lamp	Mercury vapour, high pressure sodium lamp, Metal-halide lamp
Rated luminous flux	¹⁾	¹⁾
Lamp cap	E27 accord. IEC 60238	E40 accord. IEC 60238
Light efficiency in operation	76 %	76 %
Dimensions (L x W x H)	480 mm x Ø 245 mm	560 mm x Ø 300 mm
Connecting terminals	L, N, PE: 2 x 2.5 mm ² PE external 2 x 6 mm ²	L, N, PE: 2 x 2.5 mm ² PE external 2 x 6 mm ²
Enclosure colour	grey	grey
Enclosure material	light alloy	light alloy
Weight	14.1 kg	22.4 kg
Cable glands / gland plates / enclosure drilling	2 x M25 thread (Ex-e), 1 x plugged	2 x M25 thread (Ex-e), 1 x plugged
Type of mounting	ceiling mounting	ceiling mounting
Degree of protection accd. to EN 60529	IP66	IP66
Protective cover / protective bowl	borosilicate glass	borosilicate glass

¹⁾ see table luminaire data

Additional luminaire data EV.

Lamp	Power	luminous flux ²⁾	Type	Enclosure size		Temperature class II 2 G		max. surface temp. II 2 D	
				small	large	T _u ≤ 40 °C	T _u ≤ 55 °C	T _u ≤ 40 °C	T _u ≤ 55 °C
Mercury vapour HME	125 W	6300 lm	EVM 125 ZM	X		T4	T4	T115°C	T130°C
Mercury vapour HME	250 W	13000 lm	EVM 250 ZM		X	T4	T3	T125°C	T140°C
High pressure sodium lamp HSE	70 W	5600 lm	EVS 70 ZM	X		T5	T4	T95°C	T110°C
High pressure sodium lamp HSE	150 W	14000 lm	EVS 150 ZM		X	T5	T4	T90°C	T105°C
High pressure sodium lamp HSE	250 W	25000 lm	EVS 250 ZM		X	T4	T4	T115°C	T130°C
Metal halide lamp HIE	250 W	17000 lm	EVH 250 ZM		X	T4	T3	T125°C	T140°C

²⁾ depends on used lamps



4 Technical data

dHLS 85

EC-Type Examination Certificate	DMT 03 ATEX E 039
IECEX Certificate of Conformity	IECEX BVS 11.0066
Marking accd. to 94/9/EC	II 2 G Ex de IIC T3 Gb
Marking accd. to IECEx	Ex de IIC T3 Gb
Permissible ambient temperature	-20 °C up to +50 °C / -20 °C up to +55 °C (250 W) -50 °C up to +50 °C (option)
Rated voltage	230 V AC
Frequency	50 Hz
Power factor cos	0.5 ind. / 0.9 comp. ²⁾
Circuit	inductive circuit / compensated circuit ²⁾
Protection class	I
Lamp / Illuminant	HSE/HME 250 - 400 W
Lamp name	Mercury vapour, high pressure sodium lamp
Rated luminous flux	¹⁾
Lamp cap	E40 accord. IEC 60238
Connecting terminals	L, N, PE max. 2 x 2.5 mm ²
Enclosure material	light alloy with powder coating
Weight	30 kg
Cable glands / gland plates / enclosure drilling	1 x M25 x 1.5 for cables from Ø 8 - 17 mm 1 x M25 x 1.5 with blanking plug
Type of mounting	ceiling mounting
Degree of protection accd. to EN 60529	IP65
Protective cover / protective bowl	borosilicate glass

¹⁾ see table luminaire data

²⁾ with installed ballast enclosure on top

Additional luminaire data dHLS 85

Lamp	Power	luminous flux ²⁾	Type
High pressure sodium lamp HSE	250 W	25000 lm	dHLS 85250
High pressure sodium lamp HSE	400 W	48000 lm	dHLS 85400
Mercury vapour HME	250 W	13000 lm	dHLS 85250
Mercury vapour HME	400 W	22000 lm	dHLS 85400



Technical data

	EVZ (small enclosure)	EVZ (large enclosure)
EC-Type Examination Certificate	TÜV 12 ATEX 7169X	TÜV 12 ATEX 7169X
IECEX Certificate of Conformity	IECEX CQM 11.0002	IECEX CQM 11.0002
Marking accd. to 94/9/EC	II 2 G Ex d e IIC T* Gb¹⁾ II 2 D Ex tD A21 IP66 T*¹⁾	II 2 G Ex d e IIC T* Gb¹⁾ II 2 D Ex tD A21 IP66 T*¹⁾
Marking accd. to IECEx	Ex d e IIC T* Gb¹⁾ Ex tD A21 IP66 T*¹⁾	Ex d e IIC T* Gb¹⁾ Ex tD A21 IP66 T*¹⁾
Permissible ambient temperature	-40 °C up to +55 °C	-40 °C up to +55 °C
Frequency	50 Hz	50 Hz
Power factor cos φ	≥ 0.9	≥ 0.9
Protection class	I	I
Lamp / Illuminant	HSE 70 - 150 W, HIE 70 - 150 W	HSE 250 - 600 W, 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 accord. IEC 60238 (HSE 70 W, HIE. 70 - 150 W) E40 accord. IEC 60238 (HSE 100 - 150 W)	E40 accord. IEC 60238
Dimensions (L x W x H)	Ø 215 mm x 480 mm	Ø 300 mm x 599 mm
Connecting terminals	3 x 2 x 4 mm ² (L, N, PE) max. 2 Leiter	3 x 2 x 4 mm ² (L, N, PE) max. 2 Leiter
Enclosure colour	grey	grey
Enclosure material	copper free aluminium	copper free aluminium
Weight	14.1 kg	22.4 kg
Cable glands / gland plates / enclosure drilling	2 x M25 thread, 1 x M25 Ex-e screw plug	2 x M25 thread, 1 x M25 Ex-e screw plug
Type of mounting	ceiling mounting	ceiling mounting
Degree of protection accd. to EN 60529	IP66	IP66
Protective cover / protective bowl	toughened glass	toughened glass

¹⁾ see table luminaire data

Additional luminaire data EVZ

Lamp	Power	luminous flux ²⁾	Type	Temperature class II 2 G		max. surface temp. II 2 D	
				T _u ≤ 40 °C	T _u ≤ 55 °C	T _u ≤ 40 °C	T _u ≤ 55 °C
High pressure sodium lamp HSE	70 W	5600 lm	EVZIS*07*	T5	T4	83 °C	98 °C
High pressure sodium lamp HSE	100 W	8800 lm	EVZIS*10*	T5	T4	94 °C	109 °C
High pressure sodium lamp HSE	150 W	14000 lm	EVZIS*15*	T4	T4	113 °C	128 °C
High pressure sodium lamp HSE	250 W	25000 lm	EVZIS*25*	T3	T3	134 °C	149 °C
High pressure sodium lamp HSE	400 W	48000 lm	EVZIS*40*	T3	T3	146 °C	161 °C
High pressure sodium lamp HSE	600 W	90000 lm	EVZIS*60*	T3	T3	167 °C	182 °C
Metal halide lamp HIE	70 W	5100 lm	EVZIM*07*	T5	T4	83 °C	98 °C
Metal halide lamp HIE	100 W	7800 lm	EVZIM*10*	T4	T4	97 °C	112 °C
Metal halide lamp HIE	150 W	11000 lm	EVZIM*15*	T4	T4	111 °C	126 °C
Metal halide lamp HIE	250 W	17000 lm	EVZIM*25*	T3	T3	132 °C	147 °C
Metal halide lamp HIE	400 W	33000 lm	EVZIM*40*	T3	T3	167 °C	182 °C

²⁾ depends on used lamps