

Ordering details

Type	Version ²⁾	Lamp / Illuminant	Reflector	Rated luminous flux ¹⁾	Weight	Cable gland/ thread	Screw plug	Order No.
FZD 04 with cable gland								
FZD 04 250 W	GRP	HIT / HST 250 W	narrow beam	19000 / 28000 lm	23.9 kg	1 x M25 for Ø 8-17 mm	1 x M25	NOR 000 005 192 505
FZD 04 250 W	GRP	HIT / HST 250 W	wide beam	19000 / 28000 lm	23.9 kg	1 x M25 for Ø 8-17 mm	1 x M25	NOR 000 005 192 506
FZD 04 400 W	GRP	HIT 400 W	narrow beam	33000 lm	23.9 kg	1 x M25 for Ø 8-17 mm	1 x M25	NOR 000 005 194 105
FZD 04 400 W	GRP	HIT 400 W	wide beam	33000 lm	23.9 kg	1 x M25 for Ø 8-17 mm	1 x M25	NOR 000 005 194 106
FZD 04 400 W	GRP	HST 400 W	narrow beam	48000 lm	23.9 kg	1 x M25 for Ø 8-17 mm	1 x M25	NOR 000 005 194 005
FZD 04 400 W	GRP	HST 400 W	wide beam	48000 lm	23.9 kg	1 x M25 for Ø 8-17 mm	1 x M25	NOR 000 005 194 006
FZD 04 250 W	st. steel	HIT / HST 250 W	narrow beam	19000 / 28000 lm	24.9 kg	1 x M25 for Ø 8-17 mm	1 x M25	NOR 000 005 192 501
FZD 04 250 W	st. steel	HIT / HST 250 W	wide beam	19000 / 28000 lm	24.9 kg	1 x M25 for Ø 8-17 mm	1 x M25	NOR 000 005 192 502
FZD 04 400 W	st. steel	HIT 400 W	narrow beam	33000 lm	24.9 kg	1 x M25 for Ø 8-17 mm	1 x M25	NOR 000 005 194 101
FZD 04 400 W	st. steel	HIT 400 W	wide beam	33000 lm	24.9 kg	1 x M25 for Ø 8-17 mm	1 x M25	NOR 000 005 194 102
FZD 04 400 W	st. steel	HST 400 W	narrow beam	48000 lm	24.9 kg	1 x M25 for Ø 8-17 mm	1 x M25	NOR 000 005 194 001
FZD 04 400 W	st. steel	HST 400 W	wide beam	48000 lm	24.9 kg	1 x M25 for Ø 8-17 mm	1 x M25	NOR 000 005 194 002
FZD 04 without cable gland								
FZD 04 250 W	GRP	HIT / HST 250 W	narrow beam	19000 / 28000 lm	23.9 kg	2 x M25, metal thread	1 x M25	NOR 000 005 192 507
FZD 04 250 W	GRP	HIT / HST 250 W	wide beam	19000 / 28000 lm	23.9 kg	2 x M25, metal thread	1 x M25	NOR 000 005 192 508
FZD 04 400 W	GRP	HIT 400 W	narrow beam	33000 lm	23.9 kg	2 x M25, metal thread	1 x M25	NOR 000 005 194 107
FZD 04 400 W	GRP	HIT 400 W	wide beam	33000 lm	23.9 kg	2 x M25, metal thread	1 x M25	NOR 000 005 194 108
FZD 04 400 W	GRP	HST 400 W	narrow beam	48000 lm	23.9 kg	2 x M25, metal thread	1 x M25	NOR 000 005 194 007
FZD 04 400 W	GRP	HST 400 W	wide beam	48000 lm	23.9 kg	2 x M25, metal thread	1 x M25	NOR 000 005 194 008
FZD 04 250 W	st. steel	HIT / HST 250 W	narrow beam	19000 / 28000 lm	24.9 kg	2 x M25, metal thread	1 x M25	NOR 000 005 192 503
FZD 04 250 W	st. steel	HIT / HST 250 W	wide beam	19000 / 28000 lm	24.9 kg	2 x M25, metal thread	1 x M25	NOR 000 005 192 504
FZD 04 400 W	st. steel	HIT 400 W	narrow beam	33000 lm	24.9 kg	2 x M25, metal thread	1 x M25	NOR 000 005 194 103
FZD 04 400 W	st. steel	HIT 400 W	wide beam	33000 lm	24.9 kg	2 x M25, metal thread	1 x M25	NOR 000 005 194 104
FZD 04 400 W	st. steel	HST 400 W	narrow beam	48000 lm	24.9 kg	2 x M25, metal thread	1 x M25	NOR 000 005 194 003
FZD 04 400 W	st. steel	HST 400 W	wide beam	48000 lm	24.9 kg	2 x M25, metal thread	1 x M25	NOR 000 005 194 004

¹⁾ depends on used lamps

²⁾ GRP: ballast enclosure made from GRP-material / St.S: ballast enclosure made from stainless steel 316L

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	Reflector	Rated luminous flux ¹⁾	Weight	Cable gland/ thread	Screw plug	Order No.
FZD EN							
FZD EN 250 W	HST 250 W / HIT 250 W	wide beam	19000 lm / 25000 lm	39 kg	1 x M25 for Ø 8-17 mm, plastic	1 x M25	1 3041 200 012
FZD EN 250 W	HST 250 W / HIT 250 W	narrow beam	19000 lm / 25000 lm	39 kg	1 x M25 for Ø 8-17 mm, plastic	1 x M25	1 3041 200 011
FZD EN 400 W	HIT 400 W	wide beam	35000 lm	39 kg	1 x M25 for Ø 8-17 mm, plastic	1 x M25	1 3041 210 012
FZD EN 400 W	HIT 400 W	narrow beam	35000 lm	39 kg	1 x M25 for Ø 8-17 mm, plastic	1 x M25	1 3041 210 011
FZD EN 400 W	HST 400 W	wide beam	48000 lm	39 kg	1 x M25 for Ø 8-17 mm, plastic	1 x M25	1 3041 205 012
FZD EN 400 W	HST 400 W	narrow beam	48000 lm	39 kg	1 x M25 for Ø 8-17 mm, plastic	1 x M25	1 3041 205 011

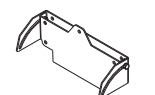
¹⁾ depends on used lamps

Accessories FZD 04 and FZD EN

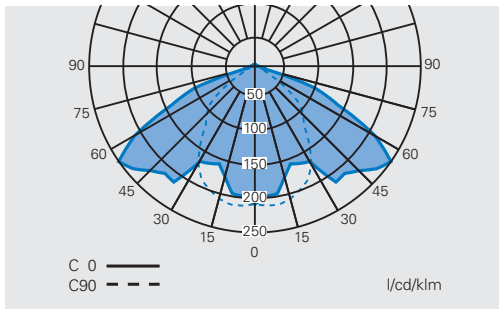
Type	Content	FZD 04	FZD EN	OU	Order No.
Lamp module	Lamp module 250 W/400 W complete with internal reflector,			1	
	narrow beam	X	X	1	1 3041 000 011
	wide beam	X	X	1	1 3041 000 012
Slip fitter	Adapter for 1 1/4" pole mounting (Innen-Ø = 47.5 mm) compl. with X fixing screws	X	—	1	NOR 000 005 190 021
Slip fitter	Adapter for 2" pole mounting (Innen-Ø = 66 mm) compl. with fixing X screws	X	—	1	NOR 000 005 190 022
Swivel bracket	Adjustable hinge for wall-/pole mounting	X	—	1	NOR 000 005 190 023
Mounting plate	Stainless steel for wall-/pole mounting (pipe clamps not included)	X	—	1	NOR 000 005 190 026
Pipe clamp	1 1/4" pipe clamp (1 pcs.) galvanized Ø 38 - 42 mm ²	X	—	1	2 2480 462 000
Pipe clamp	1 1/4" pipe clamp (1 pcs.) Stainless steel Ø 38 - 42 mm ²	X	—	1	2 2480 464 000
Pipe clamp	1 1/2" pipe clamp (1 pcs.) galvanized Ø 47 - 51 mm ²	X	—	1	2 2480 472 000
Pipe clamp	2" pipe clamp (1 pcs.) galvanized Ø 56 - 60 mm ²	X	—	1	2 2480 482 000
HIT 250 W	Metal halide lamp 250 W E40	x	x	1	CGS 323 7990 P1007
HIT 400 W	Metal halide lamp 400 W E40	x	x	1	CGS 323 7990 P1008
HST 250 W	High pressure sodium lamp 250 W E40	x	x	1	CGS 323 8600 P1009
HST 400 W	High pressure sodium lamp 400 W E40	x	x	1	CGS 323 8700 P1009

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

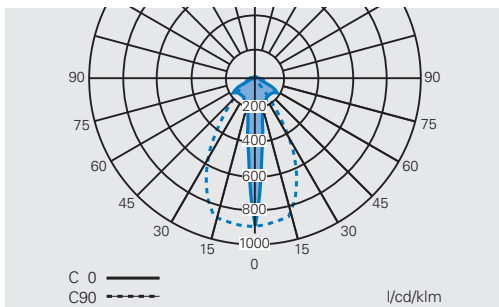
Metal cable glands see catalogue part 2: 2.3.12 ff



FZD ... with reflector wide beam



FZD ... with reflector narrow beam

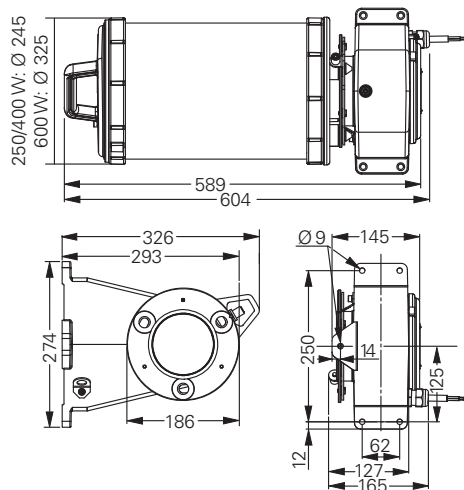


4.6

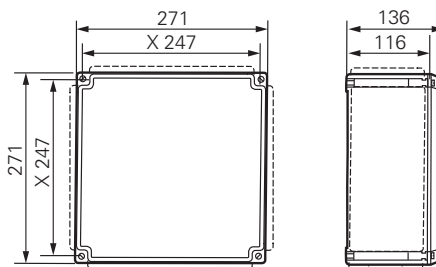
Dimension drawing

FZD 04 / FZD EN

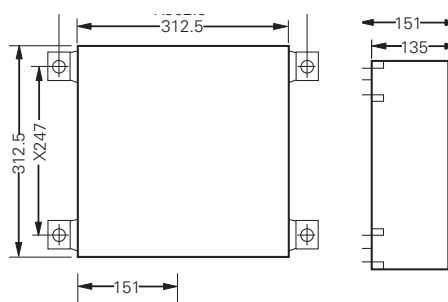
FZD 04 250/400 W



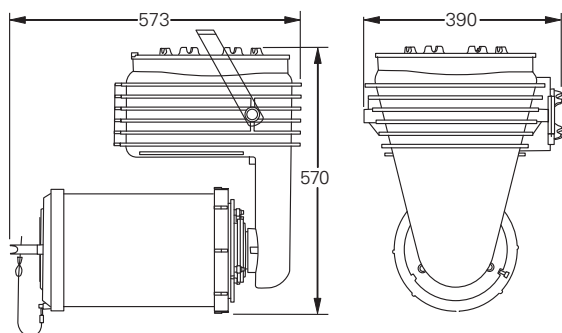
Ballast enclosure: plastic version



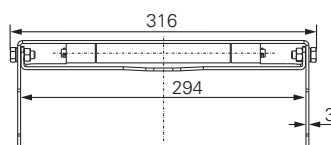
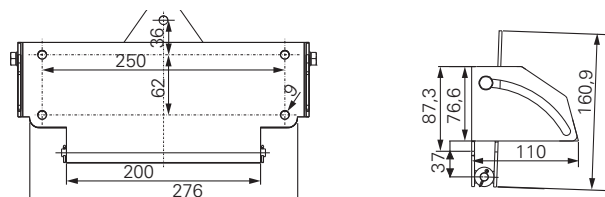
Ballast enclosure: stainless steel version



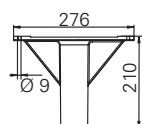
FZD EN 250/400 W



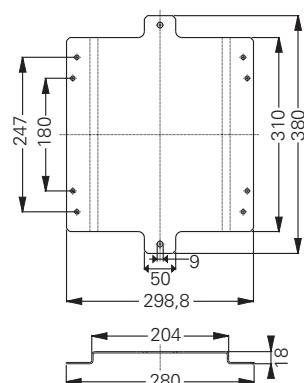
Swivel bracket



Slip fitter



Mounting plate



Dimensions in mm



Technical data

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	FZD 04	FZD EN
EC-Type Examination Certificate	BVS 10 ATEX E 139 X	BVS 10 ATEX E 139 X
IECEx Certificate of Conformity	IECEx BKI 07.0002	IECEx BKI 07.0002
Marking accd. to 94/9/EC	Ⓢ II 2 G Ex de mb q IIC T3/T4 ¹⁾ Gb Ⓢ II 2 D Ex tb IIIC T ¹⁾ Db	Ⓢ II 2 G Ex de mb q IIC T3/T4 ¹⁾ Gb Ⓢ II 2 D Ex tb IIIC T ¹⁾ Db
Permissible ambient temperature	-45 °C up to +45 °C	-45 °C up to +45 °C
Rated voltage	230 V AC ²⁾	230 V AC
Rated current	150 W: 0.8 A / 250 W: 1.3 A / 400 W: 2.10 A	250 W: 1.3 A / 400 W: 2.1 A
Frequency	50 Hz ²⁾	50 Hz
Power factor cos φ	> 0.9	> 0.9
Circuit	Compensated circuit	Compensated circuit
Protection class	I	I
Lamp / Illuminant	HST / HIT	HST / HIT
Lamp name	High pressure sodium lamp / metal halide lamp	High pressure sodium lamp / metal halide lamp
Rated luminous flux	³⁾	³⁾
Lamp cap	E40 accord. IEC 60238	E40 accord. IEC 60238
Light efficiency in operation	66 %	66 %
Dimensions (L x W x H)	See dimension drawing	573 x 390 x 570 mm
Connecting terminals	L, N, PE: 2 x 4 mm ² + 4 mm ² PE (Ballast enclosure) L, N, PE: 2 x 2.5 mm ² + 2.5 mm ² PE (lamp module)	L, N, PE: 2 x 4 mm ² + 4 mm ² PE enclosure earth
Enclosure colour	Grey	Grey
Enclosure material	Ballast enclosure: glass-fibre reinforced polyester or stainless steel, floodlight enclosure: light alloy	Light alloy
Weight	Lamp module: approx. 10.6 kg Floodlight enclosure: approx. 4.3 kg Ballast enclosure: 9 kg (glass-fibre reinforced polyester) Ballast enclosure: 10 kg (stainless steel)	28 kg (enclosure); 10.6 kg lamp module
Cable glands / gland plates / enclosure drilling	1 x M25 x 1.5 with plastic-cable glands Ex-e M25 for non-armoured cable Ø 8 - 17 mm (floodlight enclosure) ⁴⁾ 3 x M25 x 1.5, 2 x M25 plastic cable gland Ex-e for cable Ø 8 - 17 mm 1 x M25 plugged (ballast enclosure) ⁵⁾	2 x M25 x 1.5 with plastic cable gland Ex-e M25 for non-armoured cable Ø 8 - 17 mm, other plugged option: with metal thread M20, without cable gland
Type of mounting	Ceiling-/wall mounting	Ceiling-/wall mounting
Degree of protection accd. to EN 60529	IP66	IP66
Protective cover / protective bowl	Borosilicate glass	Borosilicate glass
Reflector	Polished aluminium reflector	Polished aluminium reflector

¹⁾ see table

²⁾ other voltages and frequencies on request

³⁾ see table luminaire data

⁴⁾ Connection for ballast

⁵⁾ one for connection of the floodlight enclosure, two for line supply

Additional luminaire data FZD 04 / FZD EN

Lamp	Luminous flux ¹⁾	Temperature class II 2 G		max. surface temp. II 2 D	
		T ₀ ≤ 40 °C	T ₀ ≤ 45 °C	T ₀ ≤ 40 °C	T ₀ ≤ 45 °C
HST / HIT 150 W	15000 lm	T4	T4	T 125 °C	T 130 °C
HST / HIT 250 W	28000 lm	T3	T3	T 145 °C	T 150 °C
HST / HIT 400 W	48000 lm	T3	—	T 190 °C	—

¹⁾ depends on used lamps