

E X - F L O O D L I G H T

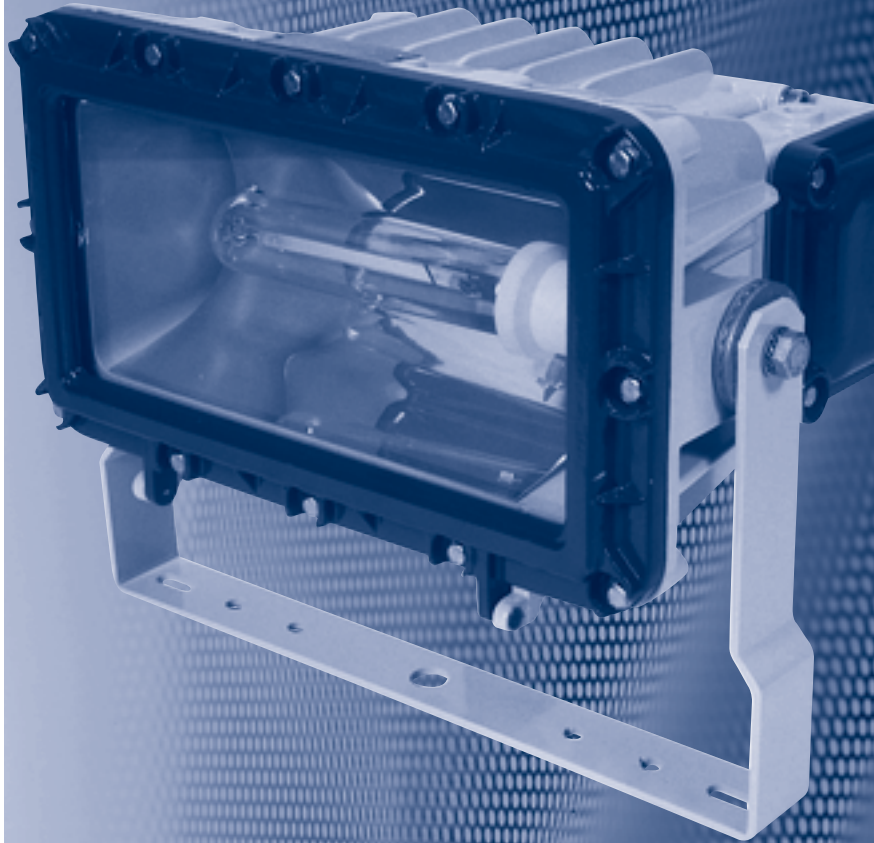
PX 04 for high pressure discharge lamps Metal version for Zone 1/21

The explosion-protected floodlight PX 04 for high pressure discharge and halogen lamps are in accordance to the ATEX-Directive 94/9/EG. They are certified for use in the Zones 1, 21, 2 and 22.

The light fitting housing is made of copper-free aluminium, the glass cover of a mechanical and thermal resistant borosilicate glass. All external screws are made of stainless steel.

The electrical components are thermally separated in their own compartment and have a separate Ex-e maintenance-friendly connection compartment.

With the adjustable mounting frame an optimum on light guidance is reached. Due to the robust architecture it has more than proven its reliability in chemical factories and offshore platforms for illuminating large areas and selective large objects.



**For environmental temperatures
of up to + 55° C**

Degree of protection IP67

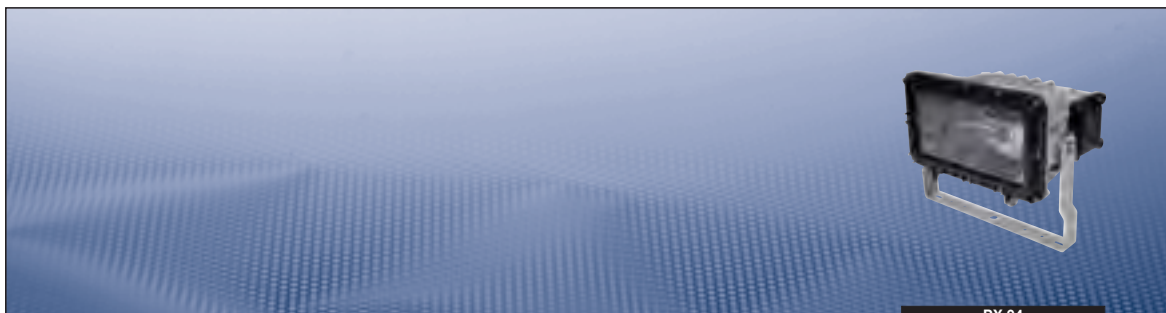
Robust light alloy housing

Captive screws made of stainless steel

Large Ex-e connection compartment

Easy to maintain

Easy to install



Technical data

PX 04...		
Marking to 94/9/EC		Ex II 2 G Ex de IIB T ¹⁾ Ex II 2 D Ex tD A21 IP67 T ¹⁾ °C
EC-Type Examination Certificate		BVS 09 ATEX E 50 X
IECEX Certificate of Conformity		IECEX BKI 07.0041
Marking accd. to IECEx		Ex de IIB T2-T4 Ex tD A21 IP66 T85 °C - 210 °C
Permissible ambient temperature		-20 °C to +55 °C (-55 °C up to +55 °C optional)
Rated voltage	with control gear	230 V AC ²⁾
	without control gear	≤ 250 V AC
Rated current		¹⁾
Frequency		50 Hz ²⁾
Power factor cos φ		> 0.85
Circuit		compensated circuit
Connecting terminals		L1, N: 2 x 4 mm ² ; PE: 2 X 6 mm ²
Insulation class		I
Lamp/Illuminant		¹⁾
Lamp cap		E 40 (E27 for 70 W HIT and HST, 150 HIT) acc. IEC 60238
Light efficiency in operation		62 %
Degree of protection accd. EN 60529		IP67
Cable glands/Gland plates/Enclosure drilling		Indirect entries: 2 x M25 x 1.5 with or without cablegrands (see table), one plugged
Dimensions (L x W x H)		546 x 443 x 396 mm (with control gear) 546 x 443 x 340 mm (without control gear)
Weight		approx. 31 kg (with control gear) approx. 23 kg (without control gear)
Type of mounting		mounting bracket
Enclosure material		light alloy
Enclosure colour		grey
Protective cover/protective bowl		borosilicate glass
Reflector		polished aluminium reflector
Enclosure earth		2 x 6 mm ²

¹⁾ see table

²⁾ other voltages or frequencies on request

³⁾ depends on lamp

Additional lamp data

Type	Rated luminous flux ³⁾	Temperature class II 2 G		Max. surface temp. II 2 D	
		T _{ambient} ≤ +40 °C	T _{ambient} ≤ +55 °C	T _{ambient} ≤ +40 °C	T _{ambient} ≤ +55 °C
HS_ - 70 W	6000 lm	T4	T4	T85 °C	T100 °C
HL_ - 70 W	6300 lm	T4	T4	T90 °C	T105 °C
HS_ - 150 W	17000 lm	T4	T4	T115 °C	T130 °C
HL_ - 150 W	14000 lm	T4	T4	T105 °C	T120 °C
HS_ - 250 W	33000 lm	T4	T3	T130 °C	T145 °C
HL_ - 250 W	20000 lm	T4	T3	T130 °C	T145 °C
HME - 250 W	13000 lm	T3	T3	T150 °C	T165 °C
HST - 400 W	55500 lm	T3	T3	T175 °C	T190 °C
HIT - 400 W	35000 lm	T3	T3	T170 °C	T185 °C
HME - 400 W	22000 lm	T3	T2	T186 °C	T201 °C
HST - 600 W	90000 lm	T3	T2	T195 °C	T210 °C
IQT - 500 W	10000 lm	T3	T2	T185 °C	T200 °C

Ex-Floodlight



PX 04

Ordering details

Type	Reflector	Lamp	Lamp	Rated current	Ex-e metal cable gland for cable	Order No.
PX 0460	narrow beam	High pressure sodium lamp	HST 600 W	3.13 A	Ø 9 - 14 mm	NOR 000 115 170 243
PX 0460	narrow beam	High pressure sodium lamp	HST 600 W	3.13 A	–	NOR 000 115 170 215
PX 0460	wide beam	High pressure sodium lamp	HST 600 W	3.13 A	Ø 9 - 14 mm	NOR 000 115 170 343
PX 0460	wide beam	High pressure sodium lamp	HST 600 W	3.13 A	–	NOR 000 115 170 315
PX 0440S	narrow beam	High pressure sodium lamp	HS_ 400 W ¹⁾	2.02 A	Ø 9 - 14 mm	NOR 000 115 170 244
PX 0440S	narrow beam	High pressure sodium lamp	HS_ 400 W ¹⁾	2.02 A	–	NOR 000 115 170 221
PX 0440S	wide beam	High pressure sodium lamp	HS_ 400 W ¹⁾	2.02 A	Ø 9 - 14 mm	NOR 000 115 170 344
PX 0440S	wide beam	High pressure sodium lamp	HS_ 400 W ¹⁾	2.02 A	–	NOR 000 115 170 321
PX 0440H	narrow beam	High pressure metal halide	HI_ 400 W ²⁾	1.98 A	Ø 9 - 14 mm	NOR 000 115 170 149
PX 0440H	narrow beam	High pressure metal halide	HI_ 400 W ²⁾	1.98 A	–	NOR 000 115 170 222
PX 0440H	wide beam	High pressure metal halide	HI_ 400 W ²⁾	1.98 A	Ø 9 - 14 mm	NOR 000 115 170 349
PX 0440H	wide beam	High pressure metal halide	HI_ 400 W ²⁾	1.98 A	–	NOR 000 115 170 322
PX 0440M	narrow beam	Mercury vapor	HME 400 W	–	–	NOR 000 115 170 251
PX 0425	narrow beam	H.P. sodium lamp/Metal halide	HS_ / HI_250 W	1.35 A	Ø 9 - 14 mm	NOR 000 115 170 245
PX 0425	narrow beam	H.P. sodium lamp/Metal halide	HS_ / HI_250 W	1.35 A	–	NOR 000 115 170 227
PX 0425	wide beam	H.P. sodium lamp/Metal halide	HS_ / HI_250 W	1.35 A	Ø 9 - 14 mm	NOR 000 115 170 345
PX 0425	wide beam	H.P. sodium lamp/Metal halide	HS_ / HI_250 W	1.35 A	–	NOR 000 115 170 327
PX 0425M	narrow beam	Mercury vapor	HME 250 W	–	–	NOR 000 115 170 257
PX 0415	narrow beam	H.P. sodium lamp/Metal halide	HS_ / HI_150 W	1.05 A	Ø 9 - 14 mm	NOR 000 115 170 246
PX 0415	narrow beam	H.P. sodium lamp/Metal halide	HS_ / HI_150 W	1.05 A	–	NOR 000 115 170 233
PX 0415	wide beam	H.P. sodium lamp/Metal halide	HS_ / HI_150 W	1.05 A	Ø 9 - 14 mm	NOR 000 115 170 346
PX 0415	wide beam	H.P. sodium lamp/Metal halide	HS_ / HI_150 W	1.05 A	–	NOR 000 115 170 333
PX 0407	narrow beam	High pressure sodium lamp	HS_ 70 W	0.35 A	Ø 9 - 14 mm	NOR 000 115 170 230
PX 0407	narrow beam	High pressure sodium lamp	HS_ 70 W	0.35 A	–	NOR 000 115 170 229
PX 0405	narrow beam	Halogen IQT	500 W	2.17 A	Ø 9 - 14 mm	NOR 000 115 170 248
PX 0405	narrow beam	Halogen IQT	500 W	2.17 A	–	NOR 000 115 170 209
PX 0405	wide beam	Halogen IQT	500 W	2.17 A	Ø 9 - 14 mm	NOR 000 115 170 348
PX 0405	wide beam	Halogen IQT	500 W	2.17 A	–	NOR 000 115 170 309

¹⁾ Valid for lamps HI_ 400 W (4.2 A)

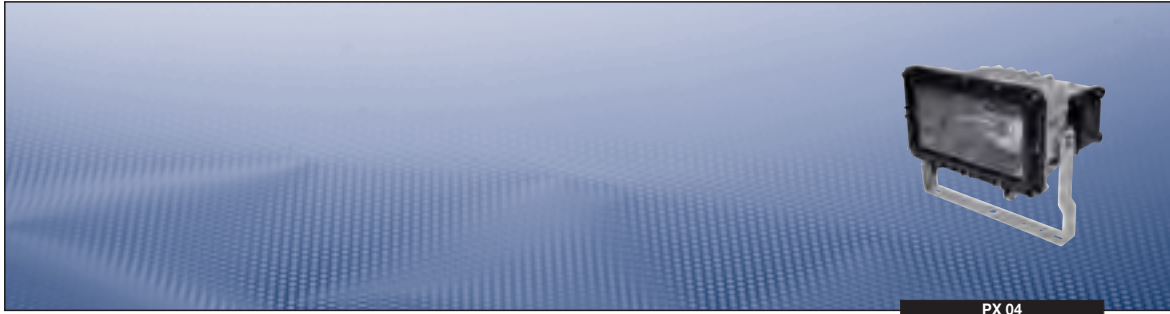
²⁾ Valid for lamps HI_ 400 W (3.5 A)

Lamps and fixing accessories are not included

Accessories

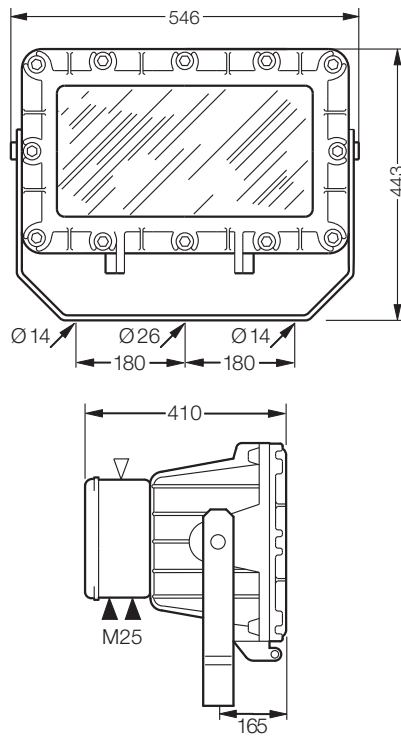
PX 04		
Type	Content	Order No.
SB	Pipe fixing Ø 48 mm to Ø 64 mm	NOR 000 005 170 583
ATP	Portable stand, painted steel	NOR 000 005 170 715
PAH	Horizontal steel shade, painted steel	NOR 000 005 170 608
PAV	Vertical steel shade, painted steel	NOR 000 005 170 591

Metal cable glands see page 8.10...



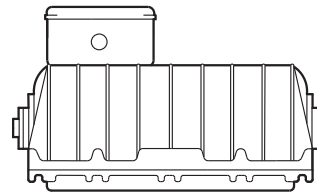
PX 04

Dimensions drawing

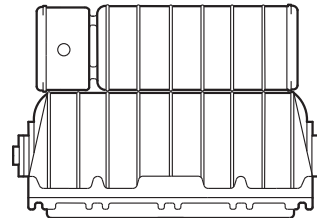


▷ optional entry, on request
▶ entry

PX 04

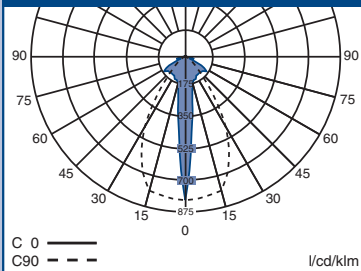


PX 04
without ballast for QT- and HME-SB-Lamps

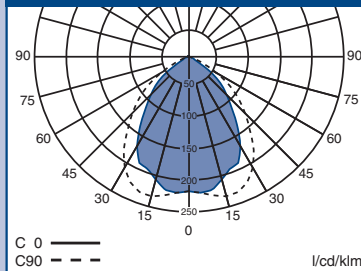


PX 04
with ballast for all high pressure discharge lamps

Polar curve
PX 04 with narrow beam reflector



Polar curve
PX 04 with wide beam reflector



Dimensions in mm