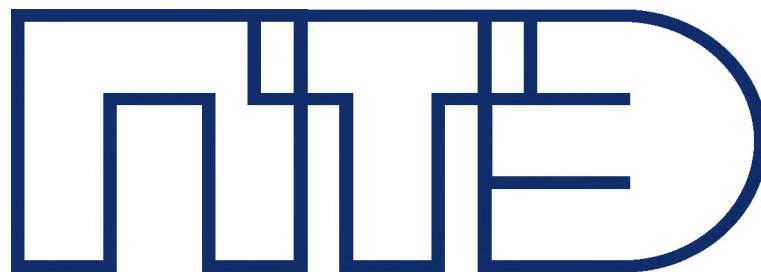


CATALOG

Explosion-proof
lighting plant



ПРОМТ  ЭЛЕКТРО

Production Technology Efficiency

2020



Russian enterprise of full production cycle

Lighting equipment plant of LLC "PKF" PROMTECHELECTRO" develops and manufactures

Wide range of lighting and explosion-proof electrical equipment.

Our company guarantees the quality and operability of the products according
to the current specifications.

All products are certified and have valid compliance certificates



Full information:

www.promtechel.ru

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Legend.

LIC



Uniform "M" (180 °)
all lamps with a view of the glass "Su"
either by the designation (M)



Concentrated "K"
or deep "G" (30 ° or 60 °)



Cosine "D" (120 °)



Half-wide "L" (140 °)



Wide "W" (160 °)



degree of protection of the shell body from impacts
and penetration of solid objects and water
IEC 60529 (DIN 40050, GOST 14254-96).



product operating temperature range,
regulated by
certificate



Rated supply voltage, V: ~ 170 ... 264V (50 ... 60Hz);
~ / - 12..48 (alternating or direct current).



Indicates that the products,
passed all established technical regulations
Customs Union Valuation Procedures



Required special character
explosion safety according to TR TS 012/2011



Product with emergency power supply,
ensuring uninterrupted operation of the lamp
when disconnecting the main voltage
or falling below a threshold level



Intended products
for use in temperate and cold areas
climate with accommodation category 1 (outdoors).



Sign of subgroup (II) indicating equipment operating in explosive areas
of premises and external installations (mixture category - II by gas);



(B/C) - the sign of the subgroup identifying the category of explosive
mixtures in which the product operates



The light source is an LED module.
LED manufacturers - CREE or Samsung



Class of explosive area of article operation



Power consumption (W) and corresponding luminous
flux (lm) of lamps
Lighting data can be improved



QR code. Internet page with product,
where complete technical characteristics

Explosion-proof lamp VZG-200DM

Designed for lighting rooms and open spaces with a suspension height of 2 to 6 meters.

It can be used as lighting for working areas of control operators and maintenance personnel.

High resistance of glass diffusers to physical and chemical effects.

Input boxes:
to the pipe G3/4

M2



walk-through
for cable entries
M20; M25; G1/2"; G3/4"

M3

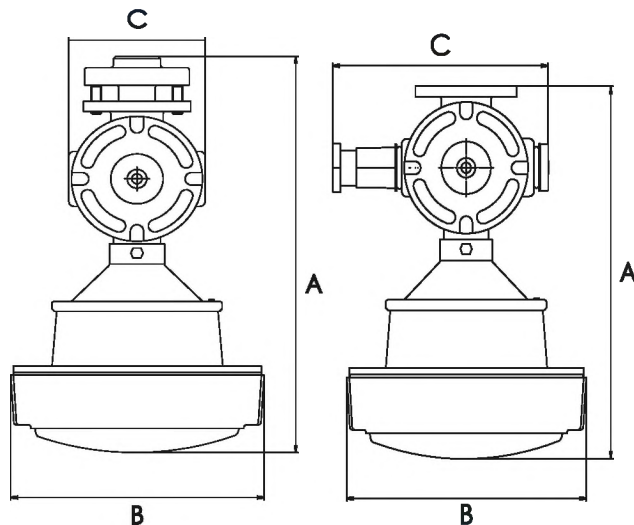


Image:
With lattice and
pivot suspension clamp

LIC



VZG-200DM-XX-M2-Sp

1 Ex db op is IIC T5 Gb /
Ex tb IIIC T100°C Db

A 325 mm B 195 mm C 104 mm

15 W
19 W
30 W
40 W

1886 Lm
2441 Lm
3772 Lm
4882 Lm

VZG-200DM-XX-M3-Sp

1 Ex db op is IIC T5 Gb /
Ex tb IIIC T100°C Db

A 290 mm B 195 mm C 174 mm

15 W
19 W
30 W
40 W

1886 Lm
2441 Lm
3772 Lm
4882 Lm



IIC

+ 50
- 60

Zone
1,2
21,22

12..48V
230V

Cree
LED
Samsung

IP65
IP67

NF 1

Ex

EAC



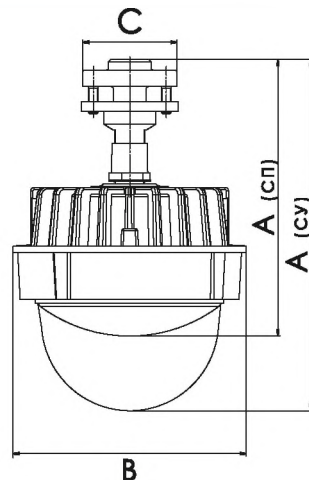
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|| 5 ||

Explosion-proof lamp DSP48-02

Designed for lighting industrial premises, open industrial sites, outdoor installations and other places, where explosive atmospheres are possible with classification of zones 1, 2, 21 and 22, according to explosion protection marking.

Due to the low ripple coefficient (<10%), the luminaires are used as general lighting, in coverage of working areas of control operators and other maintenance personnel.



LIC



DSP48-XX-Sp-02

1 Ex db op is IIC T5 Gb /
Ex tb IIIC T100°C Db

A 235 mm B 198 mm C 80 mm

15 W
20 W
30 W
40 W

1886 Lm
2441 Lm
3772 Lm
4882 Lm

DSP48-XX-Su-02

1 Ex db op is IIC T5 Gb /
Ex tb IIIC T100°C Db

A 295 mm B 198 mm C 80 mm

20 W
40 W

2228 Lm
4344 Lm

EAC

Ex

NF 1

IP65
IP67

Cree
LED
Samsung

12..48V
230V

Zone
1, 2
21, 22

+ 50
- 60

IIC



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DSP48-02 with input boxes

Input boxes:

to the pipe G3/4"

walk-through
for cable entries
M20; M25; G1/2" ; G3/4"

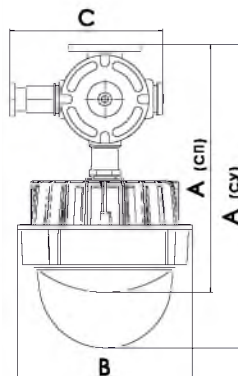
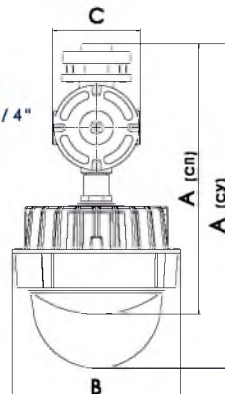
M2



M3



comes with a universal suspension bracket.



DSP48-XX-M2-Su-02

1 Ex db op is IIC T5 Gb /
Ex tb IIIC T100°C Db
A 380mm B 198 mm C 104 mm

20 W
40 W

2228 Lm
4344 Lm

DSP48-XX-M2-Sp-02

1 Ex db op is IIC T5 Gb /
Ex tb IIIC T100°C Db
A 320 mm B 198 mm C 104 mm

15 W
20 W
30 W
40 W
50 W

1886 Lm
2441 Lm
3772 Lm
4882 Lm
6286 Lm

DSP48-XX-M3-Su-02

1 Ex db op is IIC T5 Gb /
Ex tb IIIC T100°C Db
A 340 mm B 198 mm C 174 mm

20 W
40 W

2228 Lm
4344 Lm

DSP48-XX-M3-Sp-02

1 Ex db op is IIC T5 Gb /
Ex tb IIIC T100°C Db
A 280 mm B 198 mm C 174 mm

15 W
20 W
30 W
40 W
50 W

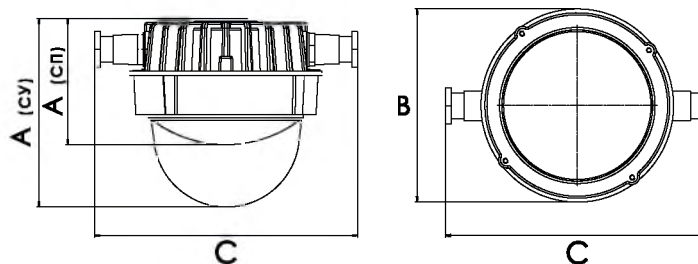
1886 Lm
2441 Lm
3772 Lm
4882 Lm
6286 Lm

Lamps are completed with borosilicate glass.
Power supply source has thermal protection against overheating,
protection against abnormal modes of operation
and short circuit



Explosion-proof lamp DSP48-02-NP

Designed for lighting industrial premises, open industrial sites, outdoor installations and other places, where explosive atmospheres are possible with classification of zones 1, 2, 21 and 22, according to explosion protection marking. Due to the low ripple coefficient (<10%), the luminaires are used as general lighting, in coverage of working areas of control operators and other maintenance personnel.



DSP48-XX-Su-02-NP

1 Ex db op is IIC T5 Gb /
Ex tb IIIC T100°C Db
A 195 mm B 198 mm C 272 mm

20 W
40 W

2228 Lm
4344 Lm

DSP48-XX-Sp-02-NP

1 Ex db op is IIC T5 Gb /
Ex tb IIIC T100°C Db
A 130 mm B 198 mm C 272 mm

15 W
20 W
30 W
40 W

1886 Lm
2441 Lm
3772 Lm
4882 Lm



EAC

Ex

NF 1

IP65
IP67

Cree
LED
Samsung

12..48V
230V

Zone
1,2
21,22

+ 50
- 60

IIC

DSP48-02-NP with input boxes

Input boxes:

to the pipe G3/4

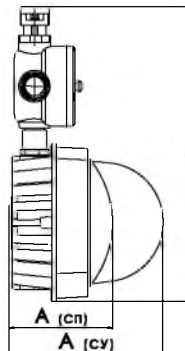
M2



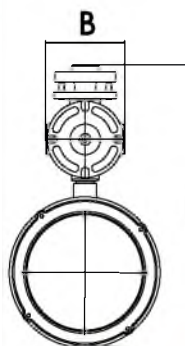
walk-through
for cable entries

M20; M25; G1/2" ; G3/4"

M3



C



C

DSP48-XX-M2-Su-02-NP

1 Ex db op is IIC T5 Gb /
Ex tb IIIC T100°C Db

A 195 mm B 198 mm C 370 mm

20 W

2228 Lm

40 W

4344 Lm

DSP48-XX-M2-Sp-02-NP

1 Ex db op is IIC T5 Gb /
Ex tb IIIC T100°C Db

A 130 mm B 198 mm C 370 mm

15 W

1886 Lm

20 W

2441 Lm

30 W

3772 Lm

40 W

4882 Lm

50 W

6286 Lm

DSP48-XX-M3-Su-02-NP

1 Ex db op is IIC T5 Gb /
Ex tb IIIC T100°C Db

A 195 mm B 210 mm C 335 mm

20 W

2228 Lm

40 W

4344 Lm

DSP48-XX-M3-Sp-02-NP

1 Ex db op is IIC T5 Gb /
Ex tb IIIC T100°C Db

A 130 mm B 210 mm C 335 mm

15 W

1886 Lm

20 W

2441 Lm

30 W

3772 Lm

40 W

4882 Lm

50 W

6286 Lm

Lamps are completed with borosilicate glass.
Power supply source has thermal protection against overheating,
protection against abnormal modes of operation
and short circuit



Explosion-proof lamp DSP48-01

Designed for lighting rooms and open spaces with a suspension height of 2 to 12 meters.

Polymeric, acid-resistant coating in the basic version (RAL 9006).

The case is made of corrosion-resistant, aluminum alloy GOST 1583-93.

For chemical-resistant performance, special steel fasteners are used.

All lamps of the DSP48-01 series are completely collapsible and maintainable.

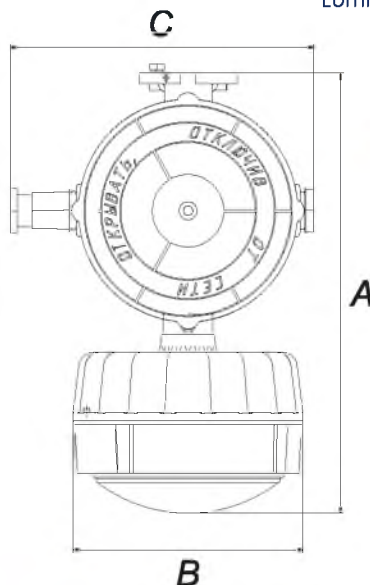
Luminous efficiency of more than 150lm per 1W.



LIC



Image:
With lattice and
pivot suspension clamp



Input boxes:

to the pipe G3/4

M2



B2

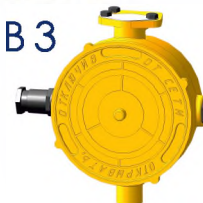


walk-through for cable entries
M20; M25; G1/2"; G3/4"

M3



B3



EAC Ex

NF 1

IP65
IP67

Cree
LED
Samsung

12..48V
230V

Zone
1,2
21,22

+ 50
- 60

IIC



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MODIFICATIONS

DSP48-XX-M2-Sp-01
1 Ex db op is IIC T5 Gb /
Ex tb IIC T135°C Db
A 378 mm B 200 mm C 100 mm

15 W
20 W
30 W
40 W

1886 Lm
2441 Lm
3772 Lm
4882 Lm

DSP48-XX-M2-Su-01
1 Ex db op is IIC T5 Gb /
Ex tb IIC T135°C Db
A 453 mm B 200 mm C 100 mm

20 W
40 W

2228 Lm
4344 Lm

DSP48-XX-M3-Sp-01
1 Ex db op is IIC T5 Gb /
Ex tb IIC T135°C Db
A 378 mm B 200 mm C 174 mm

15 W
20 W
30 W
40 W

1886 Lm
2441 Lm
3772 Lm
4882 Lm

DSP48-XX-M3-Su-01
1 Ex db op is IIC T5 Gb /
Ex tb IIC T100°C Db
A 439 mm B 200 mm C 174 mm

20 W
40 W

2228 Lm
4344 Lm

DSP48-XX-B2-Sp-01
1 Ex db op is IIC T5 Gb /
Ex tb IIC T135°C Db
A 426 mm B 200 mm C 200 mm

50 W
60 W
80 W

6268 Lm
7786 Lm
11169 Lm

DSP48-XX-B2-Su-01
1 Ex db op is IIC T5 Gb /
Ex tb IIC T100°C Db
A 565 mm B 200 mm C 200 mm

60 W

5427 Lm

DSP48-XX-B3-Sp-01
1 Ex db op is IIC T5 Gb /
Ex tb IIC T135°C Db
A 426 mm B 200 mm C 255 mm

50 W
60 W
80 W

6268 Lm
7786 Lm
11169 Lm

DSP48-XX-B3-Su-01
1 Ex db op is IIC T5 Gb /
Ex tb IIC T100°C Db
A 565 mm B 200 mm C 255 mm

60 W

5427 Lm

Lamps are completed with borosilicate glass.
The power supply has thermal protection
against overheating
protection against abnormal operating modes
short circuit protection



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Explosion-proof lamp DSP52 (up to 90W)

Successful technical solution for lighting of production and open areas

Explosive zones of classes 1,2,21 and 22.

Reduced clearance for the height of the luminaire, extended optional range.

Recommended suspension height 2.5-8 m.



LIC



Image: DSP52-60-011

D - LED module is used as a light source

S - Lamp type - suspended

P - For industrial premises and buildings

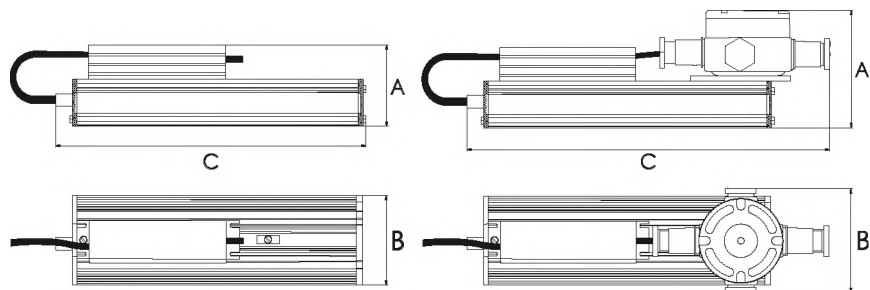
L - Light fixture using secondary optics lenses, opening angles:

150°x50°; 130°x130°; 119°x42°; 138°x138°

52 - number of a series of the lamp

a - antistatic design for explosion protection type 1 Ex d mb op II CT5 Gb

n - low-voltage execution



000 - Lamps with permanently connected cable, without entry box and box

001 - Lamp with input box without box

010 - Lamp with box without entry box

011 - Lamp with input box and box

AO - Lamp with input box and box, emergency power supply unit and storage battery installed in it



EAC

Ex

NF 1

IP67

Cree
LED
Samsung

12..48V
230V

Zone
1,2
21,22

+ 50
- 60

IIB

IIC

||12||

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MODIFICATIONS (XX=W, Lm)

DSP52-XX-000 1 Ex db mb op is IIB T5 Gb / Ex tb IIIC T85°C Db A 90 mm B 105 mm C table	30 W 45 W 60 W 75 W 90 W	3860 Lm 5486 Lm 7722 Lm 9346 Lm 10971 Lm	C 240mm C 340mm C 440mm C 540mm C 640mm	DSP52-15(30)n-000 1 Ex db op is IIB T5 Gb / Ex tb IIIC T85°C Db A 90 mm B 105 mm C 240 mm	15 W 30 W	1869 Lm 3738 Lm
DSP52-XX-001 1 Ex db mb op is IIB T5 Gb / Ex tb IIIC T85°C Db A 145 mm B 130 mm C table	30 W 45 W 60 W 75 W 90 W	3860 Lm 5486 Lm 7722 Lm 9346 Lm 10971 Lm	C 350mm C 420mm C 440mm C 540mm C 640mm	DSP52-15(30)n-001 1 Ex db op is IIB T5 Gb / Ex tb IIIC T85°C Db A 145 mm B 130 mm C 240(350) mm	15 W 30 W	1869 Lm 3738 Lm
DSP52a-XX-000 1 Ex db mb op is IIC T5 Gb / Ex tb IIIC T85°C Db A 90 mm B 105 mm C table	30 W 45 W 60 W 75 W 90 W	3619 Lm 5142 Lm 7239 Lm 8762 Lm 10285 Lm	C 240mm C 340mm C 440mm C 540mm C 640mm	DSP52a-15(30)n-000 1 Ex db op is IIC T5 Gb / Ex tb IIIC T85°C Db A 90 mm B 105 mm C 240 mm	15 W 30 W	1752 Lm 3504 Lm
DSP52a-XX-001 1 Ex db mb op is IIC T5 Gb / Ex tb IIIC T85°C Db A 145 mm B 130 mm C table	30 W 45 W 60 W 75 W 90 W	3619 Lm 5142 Lm 7239 Lm 8762 Lm 10285 Lm	C 350mm C 420mm C 440mm C 540mm C 640mm	DSP52a-15(30)n-001 1 Ex db op is IIC T5 Gb / Ex tb IIIC T85°C Db A 145 mm B 130 mm C 240(350) mm	15 W 30 W	1752 Lm 3504 Lm

Power supply source has thermal protection against overheating, protection against abnormal modes of operation and short circuit, galvanic insulation, light pulsation < 1%. It has resistance to microsecond pulses of high energy - 4 kV (L-N), 6 kV (L-PE, N-PE), lightning protection and protection against 380 V. Corresponds to the Customs Union Technical Protocol 020/2011 "Electromagnetic compatibility of technical means" in the range from 9 kHz to 30MHz; Corresponds to the Customs Union Technical Protocol 004/2011 "Safety of Low Voltage Equipment", PF 0.98. For execution of DSP52-XX-001 and DSP52a-XX-001 the degree of protection against environmental impacts is IP67.



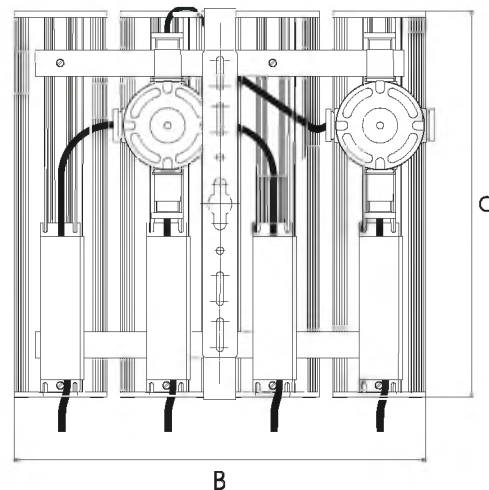
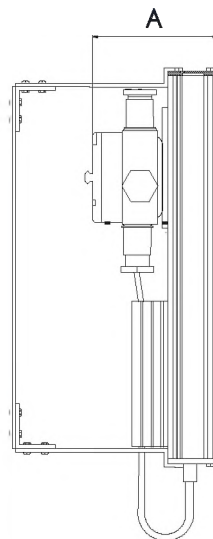
Explosion-proof DSP52 lamp (more than 90W)

Successful technical solution for lighting of production and open areas

Explosive zones of classes 1,2,21 and 22.

Reduced size by the height of the lamp, extended optional model range.

Recommended suspension height 6-24m; Possibility of grouping individual luminaire modules into assemblies, gives unlimited possibilities of light flux generation, as well as versions of LIC (light intensity curves).



LIC



EAC

Ex

NF 1

IP67

Cree
LED
Samsung

12..48V
230V

Zone
1,2
21,22

+ 50
- 60

IIB

IIC

MODIFICATIONS (XX=W, Lm)

DSP52-XX-001

1 Ex d mb op is IIB T5 Gb X /
Ex tb IIIC T85°C Db
two modules

A 145 mm B 270 mm C table

120 W
150 W
180 W

15444 Lm
18692 Lm
21942 Lm

C 440mm
C 540mm
C 640mm

DSP52-XX-001

1 Ex d mb op is IIB T5 Gb X /
Ex tb IIIC T85°C Db
three modules

A 145 mm B 340 mm C table

135 W
225 W
270 W

16458 Lm
28038 Lm
32913 Lm

C 420mm
C 540mm
C 640mm

DSP52-XX-001

1 Ex d mb op is IIB T5 Gb X /
Ex tb IIIC T85°C Db
four modules

A 145 mm B 470 mm C table

300 W
360 W

37384 Lm
43884 Lm

C 540mm
C 640mm

DSP52a-XX-001

1 Ex d mb op is IIC T5 Gb X /
Ex tb IIIC T85°C Db
two modules

A 145 mm B 270 mm C table

120 W
150 W
180 W

14478 Lm
17524 Lm
21717 Lm

C 440mm
C 540mm
C 640mm

DSP52a-XX-001

1 Ex d mb op is IIC T5 Gb X /
Ex tb IIIC T85°C Db
three modules

A 145 mm B 340 mm C table

135 W
225 W
270 W

15426 Lm
26286 Lm
30855 Lm

C 420mm
C 540mm
C 640mm

DSP52a-XX-001

1 Ex d mb op is IIC T5 Gb X /
Ex tb IIIC T85°C Db
four modules

A 145 mm B 470 mm C table

300 W
360 W

35048 Lm
41140 Lm

C 540mm
C 640mm

Power supply source has thermal protection against overheating, protection against abnormal modes of operation and short circuit, galvanic insulation, light pulsation < 1%.

It has resistance to microsecond pulses of high energy - 4 kV (L-N), 6 kV (L-PE, N-PE), lightning protection and protection against 380 V.

Corresponds to the Customs Union Technical Protocol 020/2011

"Electromagnetic compatibility of technical means"

in the range from 9 kHz to 30MHz; Corresponds to the

Customs Union Technical Protocol 004/2011

"Safety of Low Voltage Equipment", PF 0.98.

For execution of DSP52-XX-001 and DSP52a-XX-001 the degree of protection against environmental impacts is IP67.



Explosion-proof lamp DSP 47M

Designed for lighting industrial premises, open industrial sites, outdoor installations and other places, where explosive atmospheres are possible with classification of zones 1, 2, 21 and 22, according to explosion protection marking.

Input boxes:

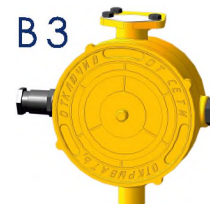
walk-through
for cable entries
M20; M25; G1/2"; G3/4"

to the pipe G3/4"

M2



B3

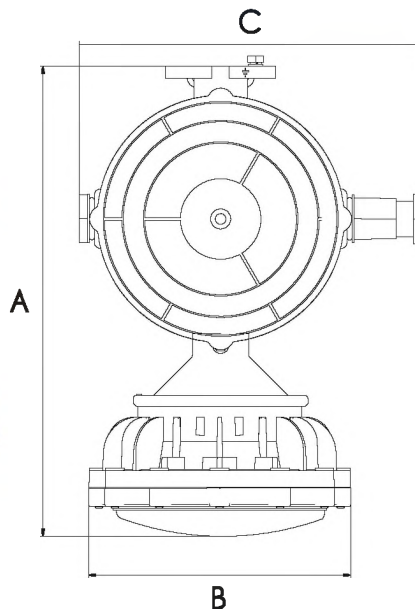


to the pipe G3/4"

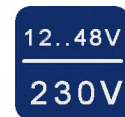
B2



On the image set: with rotary suspension



LIC



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MODIFICATIONS

DSP47M-XX-M2-Sp

1 Ex db mb op is IIC T5 Gb /
Ex tb IIIC T135°C Db
A 300 mm B 195 mm C 104 mm

15 W
20 W
30 W
40 W

1886 Lm
2441 Lm
3772 Lm
4882 Lm

DSP47M-XX-B3-Sp

1 Ex db mb op is IIC T5 Gb /
Ex tb IIIC T135°C Db
A 355 mm B 195 mm C 255 mm

15 W
20 W
30 W
40 W
50 W

1886 Lm
2441 Lm
3772 Lm
4882 Lm
6268 Lm

DSP47M-50-B2-Sp

1 Ex db mb op is IIC T5 Gb /
Ex tb IIIC T135°C Db
A 300 mm B 195 mm C 104 mm

50 W

6268 Lm

The lamp housing provides the type of explosion protection db "explosion-proof shell," mb "filling with compound," t "from dust ignition".

Light-transmitting part of lamp-resistant heat-resistant borosilicate glass, having high mechanical strength, wear resistance, heat resistance at temperature difference, chemical resistance, high light-transmitting capacity.

For aggressive, chemically active media, chemical-resistant design is possible, with application of polymer acid-resistant coating of housing and fasteners made of special corrosion-resistant steel.



Explosion-proof lamp VZG-200Dn

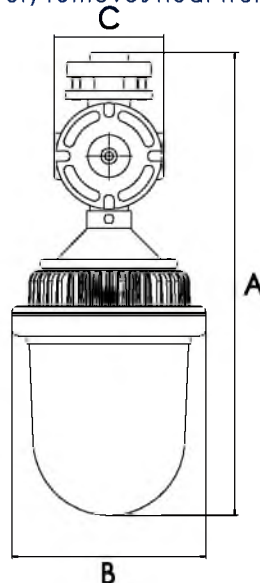
Designed for lighting industrial premises, open industrial sites, outdoor installations and other places, where explosive atmospheres are possible with classification of zones 1, 2, 21 and 22, according to explosion protection marking (IIB).

They are a direct analogue of explosion-proof lamps VZG-200 (under an incandescent lamp). Upgraded housing with additional radiators effectively removes heat from LEDs during the operation of the lamp. Suspension height from 2 to 8 m.

Input boxes:
to the pipe G3/4"



walk-through
for cable entries
M20; M25; G1 1/2" ; G3/4"



LIC



EAC

Ex

NF 1

IP65

Cree
LED
Samsung

12..48V
230V

Zone
1, 2
21, 22

+ 50
- 60

IIB

||18||

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MODIFICATIONS

VZG-200Dn-XX-M2	15 W	1886 Lm
1 Ex d IIB T5 Gb /	20 W	2441 Lm
Ex tb IIIC T85°C Db	30 W	3772 Lm
A 438 mm B 188 mm C 104 mm		

VZG-200Dn-XX-M3	15 W	1886 Lm
1 Ex d IIB T5 Gb /	20 W	2441 Lm
Ex tb IIIC T85°C Db	30 W	3772 Lm
A 405 mm B 188 mm C 174 mm		

VZG-200Dn-20-M2 (M)		
Index (M) - LIC "M"		
1 Ex d IIB T5 Gb /	20 W	2228 Lm
Ex tb IIIC T85°C Db		
A 438 mm B 188 mm C 104 mm		

VZG-200Dn-20-M3 (M)		
Index (M) - LIC "M"		
1 Ex d IIB T5 Gb /	20 W	2228 Lm
Ex tb IIIC T85°C Db		
A 405 mm B 188 mm C 174 mm		

The basis for the VZG-200D lamp housing is the known B3F-200 lamp. B3F-200ΔH has the possibility of independent replacement of the LED module, in order to upgrade the lamp by the customer's own forces - for example, when the LED modules with improved characteristics are output. The light fixture design has the ability to apply different types of secondary optics lenses for some types of light intensity curves (CCC).

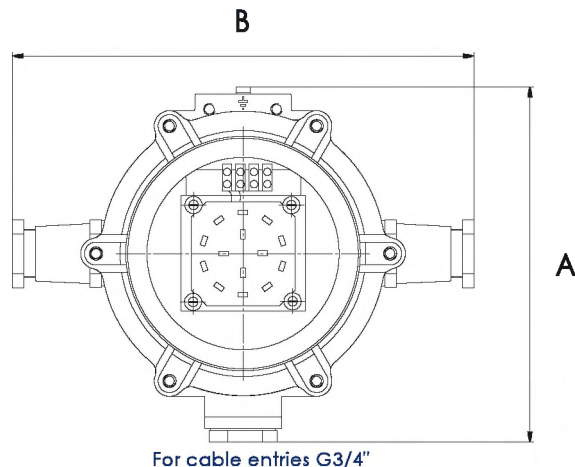
Improved heat removal from LEDs is achieved by the additional cooling area of the housing, and the new technology of sealing the housing VZG-200Dn eliminates all the disadvantages of the precursor. Thus, the failure-free operation life of VZG-200D is significantly extended and makes it one of the most accessible and universal explosion-proof lamps. The lamps are equipped with a borosilicate glass diffuser. Power supply source has thermal protection against overheating, protection against abnormal operating modes and protection against short circuit.

Lamps are completed with borosilicate glass.
Power supply source has thermal protection against overheating,
protection against abnormal modes of operation
and short circuit



Explosion-proof lamp PTE-ExD

The lamp is designed for use as an individual portable lighting device at oil refining plants, in gas production, at filling stations, in explosive zones 1, 2, 21, 22. The special feature of the design of the PTE-ExD lamp housing makes it possible to use it on special cars and mechanisms operating under heavy operating conditions, in areas where explosive dust or gas mixtures may appear.



LIC



PTE-ExD-XX

1 Ex d IIC T6 Gb /
Ex tb IIIC T85°C Db
A 185 mm B 240 mm

15 W
20 W

1437 Lm
2078 Lm

EAC

Ex

NF 1

IP65

Cree
LED
Samsung

12..48V
230V

Zone
1, 2
21, 22

+ 50
- 60

IIC

||20||

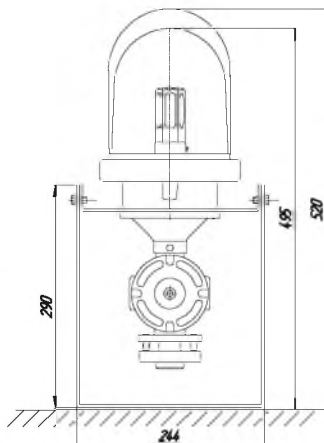
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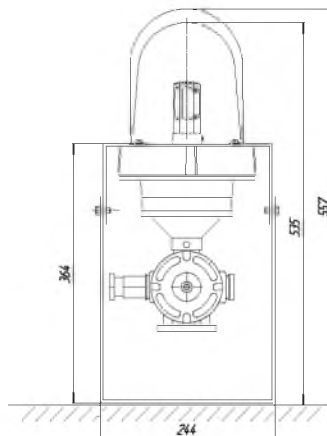
Explosion-proof "ZOM" barrier light

Are intended for installation on high-rise buildings (crane installations, high-rise constructions and houses, chimney pipes, relaying masts, airfields, etc.) for light marking or warning lights of high-rise and extended objects which can worsen safety conditions to moving flying objects (planes, helicopters) at night and in twilight and also in the afternoon in the conditions of poor visibility.

They are used in explosive areas of premises and external installations according to the explosion protection marking with classification of zones 1, 2, 21 and 22.



VZG-200Dn-XX(M) ZOM
1 Ex d IIB T5 Gb /
Ex tb IIIC T85°C Db



VZG-200DM-XX(M) ZOM
1 Ex db op is IIC T5 Gb /
Ex tb IIIC T100°C Db



LIC



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||21||

Explosion-proof information board DSP52-ITk-XXX

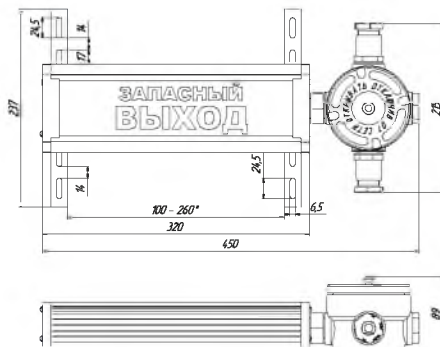
Series DSP52-ITk-XXX LED annunciator is designed to provide the possibility to supply light, text or sign signals (in the form of icons) in fire alarm, fire extinguishing systems, when working together with receiving and control devices.

The board can be completed with a reserve source - the block of emergency supply (watch DSP52-ITk-XXX AO) that allows to carry out giving of a signal after interruption in supply of power supply, or in the conditions of the abnormal mode of the feeding power supply network.

The annunciator can be used in explosive areas and rooms of classes 1 and 2 according to the explosion protection marking.



In the image set:
With ceiling attachment DSP52-ITk-XXX



In the image set:
With wall attachment DSP52-ITk-XXX

Explosion protection is provided by types of protection "mb", "I". Application areas: gas-1,2; dust-21, 22 according to GOST R IEC 60079.

Feed cable entry holes: for round, armoured cable or metal sleeve with G 1/2", G3/4", M25x 1,5 mounting.

It is possible to install a built-in power supply. Internal and external grounding is performed according to the first class of electrical protection.

The information Board of the DSP52-ITk-XX series is equipped with its own independent input box.



MODIFICATIONS

008	003	001	007
017	013	002	006
010	012	009	004
019	020	014	016
018	011	005	015

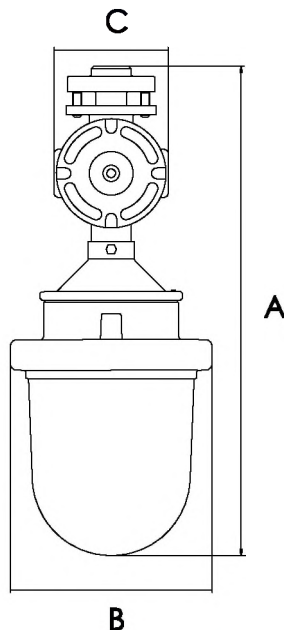
Text of inscription or drawing of sign (pictograms)
and colour of board illumination

Can be individually defined by the customer.

Explosion-proof lamp VZG-200

Designed for lighting industrial premises, open industrial sites, outdoor installations and other places, where explosive atmospheres are possible with classification of zones 1, 2, 21 and 22, according to explosion protection marking.

The most common lamps used in explosive areas.



Input boxes:

to the pipe G3/4"

M2



walk-through
for cable entries
M20; M25; G1/2"; G3/4"

M3



VZG - 200 - M2

1Ex db op is IIB T4...T6 Gb/
Ex tb IIB T 85-135°C Db
A 450 mm B 186 mm C 104 mm

VZG - 200 - M3

1Ex db op is IIB T4...T6 Gb/
Ex tb IIB T 85-135°C Db
A 429 mm B 186 mm C 174 mm

Up to
200 W

Glow
CFL
Induc-
tion

Up to
200 W

Glow
CFL
Induc-
tion

EAC

Ex

NF 1

IP54

Glow
CFL
Induc-
tion

230V

Zone
1, 2
21, 22

+ 50
- 60

IIB



||24||

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Explosion-proof lamp VZG 200M

Designed for lighting industrial premises, open industrial sites, outdoor installations and other places, where explosive atmospheres are possible with classification of zones 1, 2, 21 and 22, according to explosion protection marking.

It is a version of the lamp with the possibility of transit installation.

Input boxes:

to the pipe G3/4"

M2



walk-through
for cable entries
M20; M25; G1/2"; G3/4"

M3



Glow
CFL
Induc-
tion

Up to
200 W

VZG-200M - M2
1Ex db IIC T3...T6 Gb/
Ex tb IIIC T 85-135°C Db
A 470 mm B 195 mm C 104 mm

Glow
CFL
Induc-
tion

Up to
200 W

VZG-200M - M3
1Ex db IIC T3...T6 Gb/
Ex tb IIIC T 85-135°C Db
A 440 mm B 195 mm C 174 mm

IIC

+ 50
- 60

Зона
1, 2
21, 22

230V

Zone
1, 2
21, 22

IP65
IP67

NF 1

Ex

EAC

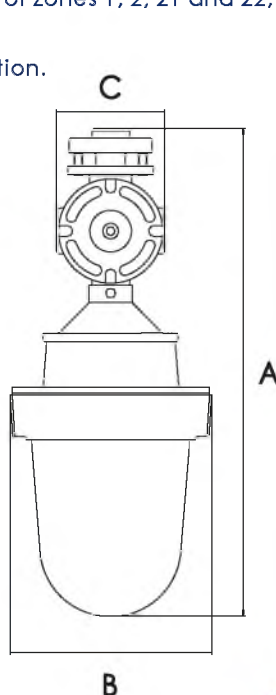


Image:
with protective lattice

LIC



Explosion-proof lamp ZHSP47M / GSP47M / RSP45M

Designed for lighting industrial premises, open industrial sites, outdoor installations and other places, where explosive atmospheres are possible with classification of zones 1, 2, 21 and 22, according to explosion protection marking.

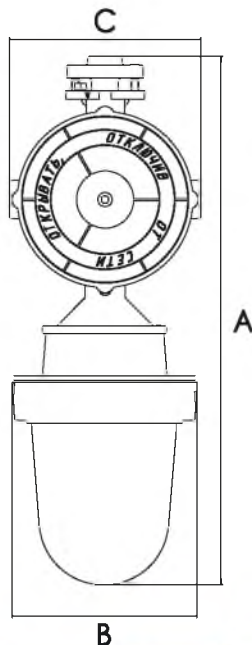
It is a version of the lamp with the possibility of transit installation.



LIC



Image:
with protective lattice



Input boxes:

to the pipe G3/4"

M2



B2



walk-through for cable entries
M20; M25; G1/2" ; G3/4"

M3



B3



EAC

Ex

NF 1

IP65
IP67

230V

Zone
1, 2
21, 22

+ 50
- 60

IIC

||26||

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MODIFICATIONS (XX= W)

GSP47M-XX-M2
1 Ex db IIC T3...T6 Gb /
Ex tb IIIC T85°-200C Db
A 467 mm B 194 mm C 100 mm

from 35W
to 70W

GSP47M-XX-M3
1 Ex db IIC T3...T6 Gb /
Ex tb IIIC T85°-200C Db
A 420 mm B 194 mm C 174 mm

from 35W
to 70W

GSP47M-XX-B2
1 Ex db IIC T3...T6 Gb /
Ex tb IIIC T85 - 200°C Db
A 542 mm B 200 mm C 200 mm

from 35W
to 250W

GSP47M-XX-B3
1 Ex db IIC T3...T6 Gb /
Ex tb IIIC T85 - 200°C Db
A 571 mm B 225 mm C 255 mm

from 35W
to 250W

ZHSP47M-XX-M2
1 Ex db IIC T3...T6 Gb /
Ex tb IIIC T85-200°C Db
A 467 mm B 194 mm C 100 mm

from 35W
to 70W

ZHSP47M-XX-M3
1 Ex db IIC T3...T6 Gb /
Ex tb IIIC T85-200°C Db
A 420 mm B 194 mm C 174 mm

from 35W
to 70W

ZHSP47M-XX-B2
1 Ex db IIC T3...T6 Gb /
Ex tb IIIC T85 - 200°C Db
A 542 mm B 200 mm C 200 mm

from 35 W
to 250 W

ZHSP47M-XX-B3
1 Ex db IIC T3...T6 Gb /
Ex tb IIIC T85 - 200°C Db
A 571 mm B 225 mm C 255 mm

from 35 W
to 250 W

RSP45M-XX-M2
1 Ex db IIC T3...T6 Gb /
Ex tb IIIC T85 - 200°C Db
A 467 mm B 194 mm C 100 mm

80 W
125 W

RSP45M-XX-B2
1 Ex db op is IIC T3...T6 Gb /
Ex tb IIIC T85 - 200°C Db
A 542 mm B 205 mm C 200 mm

80 W
250 W

RSP45M-XX-B3
1 Ex db op is IIC T3...T6 Gb /
Ex tb IIIC T85 - 200°C Db
A 571 mm B 225 mm C 255 mm

80 W
250 W

Lamps are equipped with borosilicate diffuser.
Ballast TYPE: Electromagnetic;
Electronic and electronic
with instantaneous re-ignition



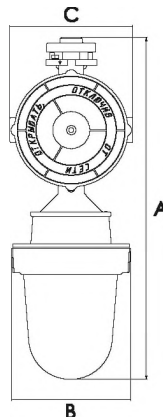
Explosion-proof lamp NSP47M/FSP03M

Designed for lighting industrial premises, open industrial sites, outdoor installations and other places, where explosive atmospheres are possible with classification of zones 1, 2, 21 and 22, according to explosion protection marking.

The most common lamps used in explosive areas and completed with borosilicate glass..

Input boxes:

to the pipe G3/4" walk-through for cable entries
M20; M25; G1/2" ; G3/4"



FSP03M-XX - B2

1 Ex db IIC T6 Gb /
1 Ex tb IIIC T85°C Db

A 542 mm B 200 mm C 200 mm

45 W

CFL

FSP03M-XX - B3

1 Ex db IIC T6 Gb /
1 Ex tb IIIC T85°C Db

A 571 mm B 225 mm C 255 mm

NSP47M-XX - B2

1 Ex db IIC T4...T6 Gb /
1 Ex tb IIIC T85 - 135°C Db

A 542 mm B 200 mm C 200 mm

200 W

Glow
lamp

NSP47M-XX - B3

1 Ex db IIC T4...T6 Gb /
1 Ex tb IIIC T85 - 135°C Db

A 571 mm B 225 mm C 255 mm

Image:
with protective
lattice



EAC

Ex

NF 1

IP65
IP67

CFL,
Glow
lamp

230V

Zone
1, 2
21, 22

+ 50
- 60

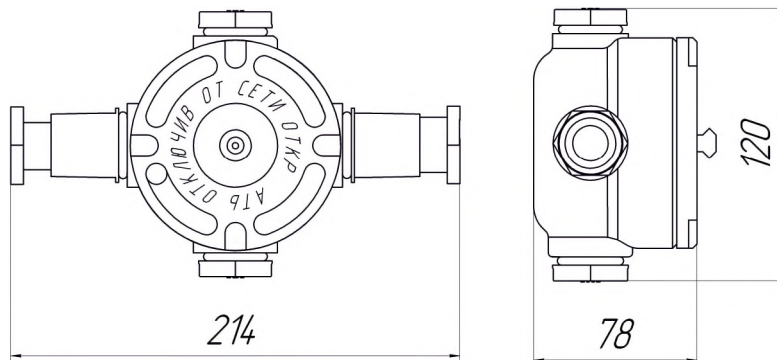
IIC

Explosion-proof terminal box KR-V-100d

It is intended for performance of various connections of circuits of automatics and the power supply executed by the armored cable or a flexible cable in pipes according to GOST 3262 in explosive zones 1 and classes according to GOST IEC 60079-10-1-2011, GOST IEC 60079-10-2-2011 of rooms and external installations, according to marking of explosion protection and GOST IEC 60079-14-2011. Maximum voltage 380 V number of switched terminals up to 12 PCs Cross section of the connected wires up to 4 mm² Diameter of the connected cable 4-16 mm

Weight, with a set of mounting parts, not more than 2 kg

Explosion protection marking: 1Exdb IIC T6Gb / Ex t b IIC 100°C Db



On the image KR-V-100d
with cable entries

Number of cable glands to be connected, max: 4 possible threads of cable glands: M25 x 1.5: 1/2"; 3/4"

KP-B-100d series explosion-proof terminal boxes can be manufactured with a number of holes from 1 to 4.

Material: corrosion-resistant aluminum-based alloy, resistant to salt mist and other chemicals, including resistant to hydrogen sulfide vapor and hydrochloric acid.

KP-B-100d series boxes can be supplied complete with screw terminal clamps for wires up to 4 mm², as well as with WAGO 5*4mm terminal clamps.

Explosion-Proof terminal boxes of KR-B-100d series allow installation on walls and ceilings at right angles.

The boxes are equipped with: internal and external stainless steel grounding clamps, o-ring to ensure IP65 protection, perforated metal strip fastening.



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||129||

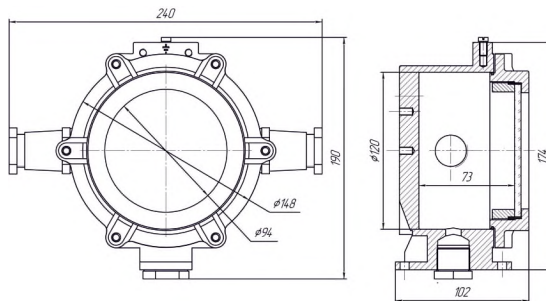
Explosion-proof boxes

KR-V-100d-01 and KR-V-100d-02 (with viewing window)

Explosion-proof boxes series KP-B-100d(-01/-02) are multifunctional and can be used to solve technical problems such as their use as junction boxes for the placement of terminal clamps (-01 without a viewing window); instrumentation, automation, alarm and other electrical components; for the placement of video surveillance (-02 with viewing window) in explosive zones 1; 2; 21 and 22 according to GOST IEC 60079-10-1-2011, GOST IEC 60079-10-2-2011 in indoor and outdoor installations, according to the marking of explosion protection. The marking of explosion-proof: 1 Ex db IIC T6 Gb / Ex tb IIC 100 C° Db



On the image KR-V-100d-01



On the image KR-V-100d-02
with viewing window

Housing material-corrosion-resistant aluminum-based alloy according to GOST 1583-93. Possible chemical-resistant design, with the use of acid-resistant polymer coating housing and fasteners made of special steel.

In the performance of KP-B-100d-02, the viewing window is made of monolithic impact-resistant polycarbonate.

Number of cable glands to be connected, not more than 3.

Possible sizes and thread types of cable glands: M25 x 1.5; 1/2"; 3/4 " External diameter of the insulation of the attached cable-8-16 mm

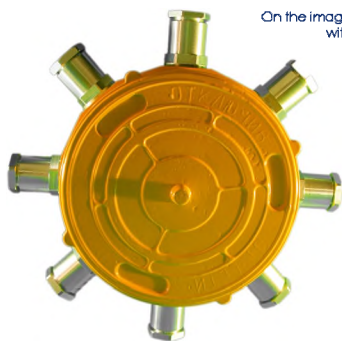
Number of clamping terminals, not more than 10 PCs

The boxes are equipped with: internal and external stainless steel earthing clamps; sealing silicone ring to ensure IP65 protection.

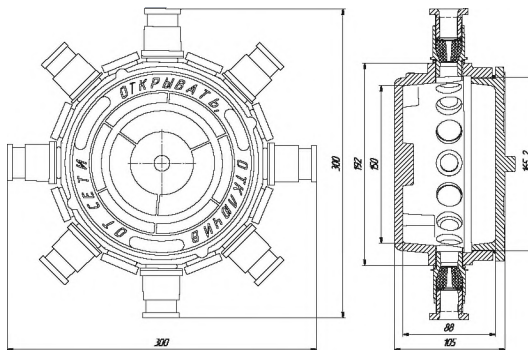


Explosion-proof terminal box KR-V-200d

Explosion-proof boxes series KP-B-100d(-01/-02) are multifunctional and can be used to solve technical problems such as their use as junction boxes for the placement of terminal clamps (-01 without a viewing window); instrumentation, automation, alarm and other electrical components; for the placement of video surveillance (-02 with viewing window) in explosive zones 1; 2; 21 and 22 according to GOST IEC 60079-10-1-2011, GOST IEC 60079-10-2-2011 in indoor and outdoor installations, according to the marking of explosion protection. The marking of explosion-proof: 1 Ex db IIC T6 Gb / Ex tb IIC 100 C° Db



On the image KP-V-200d-01
with cable entries



On the image KP-V-200d-02
with viewing window
and cable entries



Housing material-corrosion-resistant aluminum-based alloy according to GOST 1583-93.

Possible chemical-resistant design, with the use of acid-resistant polymer coating housing and fasteners made of special steel.

In the performance of KP-B-200d-02, the viewing window is made of monolithic impact-resistant polycarbonate.

Number of cable glands to be connected, not more than 16 Possible sizes and thread types of cable glands: M25 x 1.5; 1/2"; 3/4"

External diameter of insulation of the attached cable-8-16 mm Number of clamping terminals, not more than 25 PCs

The boxes are equipped with: internal and external stainless steel earthing clamps;

sealing silicone ring to ensure IP65 protection (in a special version - IP67).



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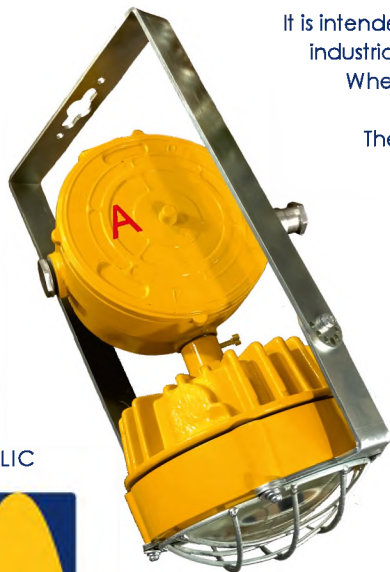
||131||

Explosion-proof emergency DSP48-02 AO

It is intended for illumination of premises and external installations of explosive zones of classes 1,2, 21 and 22 industrial objects according to marking of explosion protection in normal and emergency modes of work.

When the operating voltage is reduced below the threshold value or the main voltage is switched off, the lamps DSP 48-02 AO provide uninterrupted operation for an hour.

The convenient location of the emergency power supply unit (BAP) in an explosion-proof shell of the "db" type allows the consumer to independently replace the batteries.



LIC



in the image equipment:
with swivel suspension and grill



DSP48-XX-B2-Sp-02-AO

1 Ex db op is IIC T5 Gb /
Ex tb IIIC T100°C Db

A 415 mm B 198 mm C 200 mm

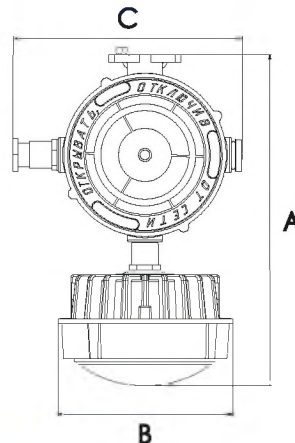
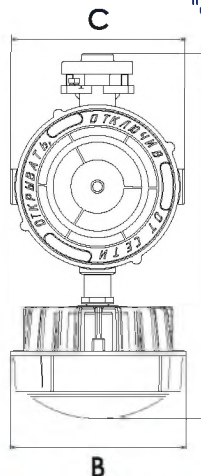
15 W
20 W
30 W
40 W

1886Lm
2441Lm
3772Lm
4882Lm

DSP48-XX-B3-Sp-02-AO

1 Ex db op is IIC T5 Gb /
Ex tb IIIC T100°C Db

A 380 mm B 198 mm C 260 mm



Input boxes:
to the pipe G3/4"

B2



walk-through
for cable entries
M20; M25; G1/2"; G3/4"

B3



EAC

Ex

NF 1

IP65
IP67

Cree
LED
Samsung

12..48V
230V

A

Zone
1,2
21,22

+ 50
- 60

IIC

Explosion-proof emergency VZG-200DM AO

Emergency power supply unit (UPS) ensures uninterrupted operation of LED lamps for at least 1 hour in the event of an unexpected disconnection of the mains 230V ~

or when the voltage drops below the threshold level while maintaining 10% of the luminous flux.

Input boxes:

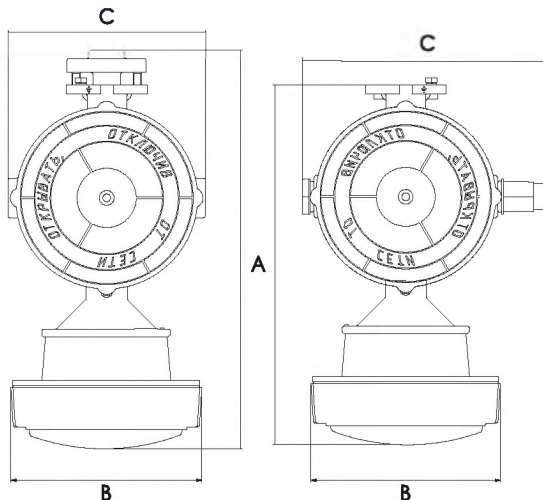
to the pipe G3/4"

B2



walk-through
for cable entries
M20; M25; G1/2"; G3/4"

B3



VZG-200DM-XX-B2-Sp-AO

1 Ex db op is IIC T5 Gb /
Ex tb IIIC T100°C Db

A 410 mm B 195 mm C 196 mm

15 W
20 W
30 W
40 W

1886 Lm
2441 Lm
3772 Lm
4882 Lm

VZG-200DM-XX-B3-Sp-AO

1 Ex db op is IIC T5 Gb /
Ex tb IIIC T100°C Db

A 375 mm B 195 mm C 260 mm

IIC

+50
-60

Zone
1,2
21,22

12..48V
230V

A

Cree
LED
Samsung

IP65
IP67

NF 1

Ex

EAC



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||133||

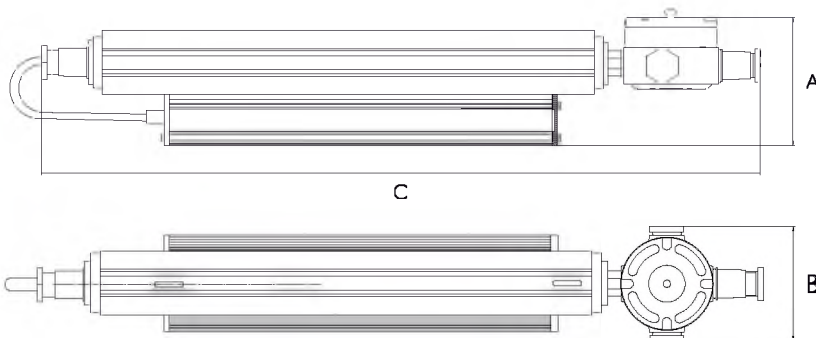
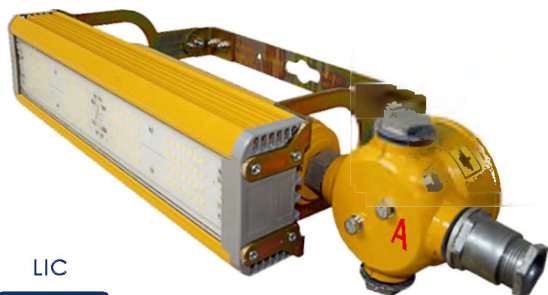
Explosion-proof lamp DSP52 AO (up to 60W)

Successful technical solution for lighting industrial and outdoor sites

explosive zones of classes 1,2,21 and 22.

Reduced clearance for the height of the luminaire, extended optional range.

Recommended suspension height 2.5-8 m.



LIC



on the image: DSP52-60-011-AO

001 - lamp with an input box without boxing



EAC

DSP52-XX-001

1 Ex db mb op is IIB T5 Gb /
Ex tb IIIC T85°C Db
A 145 mm B 130 mm C 790 mm

30 W
45 W
60 W

3860 Lm
5486 Lm
7722 Lm

DSP52a-XX-001

1 Ex db mb op is IIB T5 Gb /
Ex tb IIIC T85°C Db
A 145 mm B 130 mm C 790 mm



Ex

NF 1

IP67

Cree
LED
Samsung

12..48V
230V

A

Zone
1,2
21,22

+ 50
- 20

IIB

IIC

||34||

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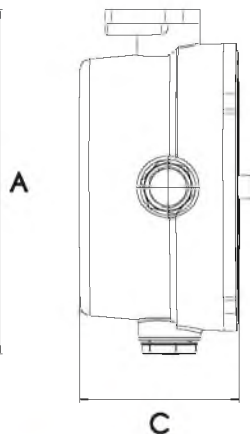
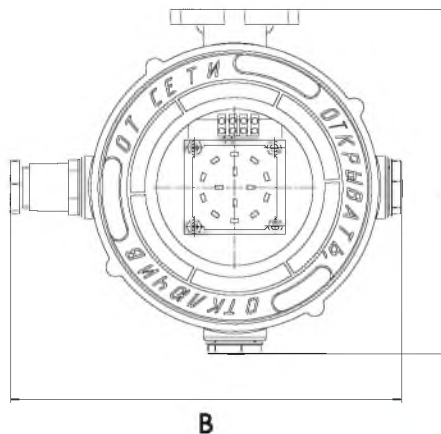
Explosion-proof emergency PTE-ExDM AO

Designed for lighting rooms and open spaces with a suspension height of 2 to 3 meters.

It can be used as a stand-alone stationary or portable lighting device.

The emergency power supply unit provides uninterrupted operation of LED lamps for at least 1 hour, in case of

Unexpected disconnection of 230V ~ network or when voltage drops below the threshold level.



PTE-ExDM-XX AO

1 Ex db IIC T4 T5 T6 Gb /
Ex tb IIIC T100...135°C Db

A 245 mm B 240 mm C 102 mm

15 W
20 W

1437 Lm
2078 Lm

LIC



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||135||

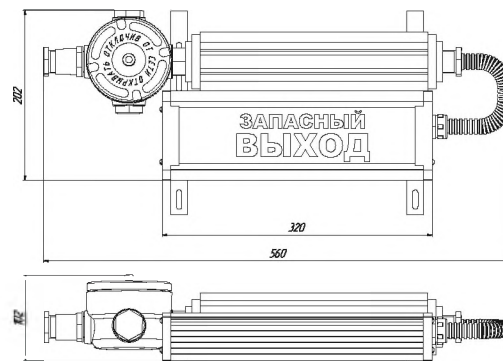
Explosion-proof emergency board DSP52-ITk-XXX AO

Emergency led information Board series DSP52-ITk-XXX-AO is designed to provide the ability to supply light, text or sign (in the form of icons) signals in fire alarm systems, fire extinguishing, when working together with receiving and control devices.

The scoreboard is equipped with a backup source-the emergency power supply unit (BAP), which allows for a signal after the power supply is cut off, or in conditions of abnormal mode of the power supply network. The display can be used in explosive zones and premises of 1 and 2 classes according to the marking of explosion protection.



in the image equipment:
with wall mount DSP52-ITk-XXX AO



Explosion protection is provided by types of protection "mb", "T". Application areas: gas-1, 2; dust-21, 22 according to GOST R IEC 60079.

Feed cable entry holes: for round, armoured cable or metal sleeve with mounting under G 1/2", G3 / 4", M25 x 1.5.

The built-in power supply also provides continuous operation of the device from 1 to 3 hours (depending on the configuration).

Internal and external grounding according to the first class of electrical protection.

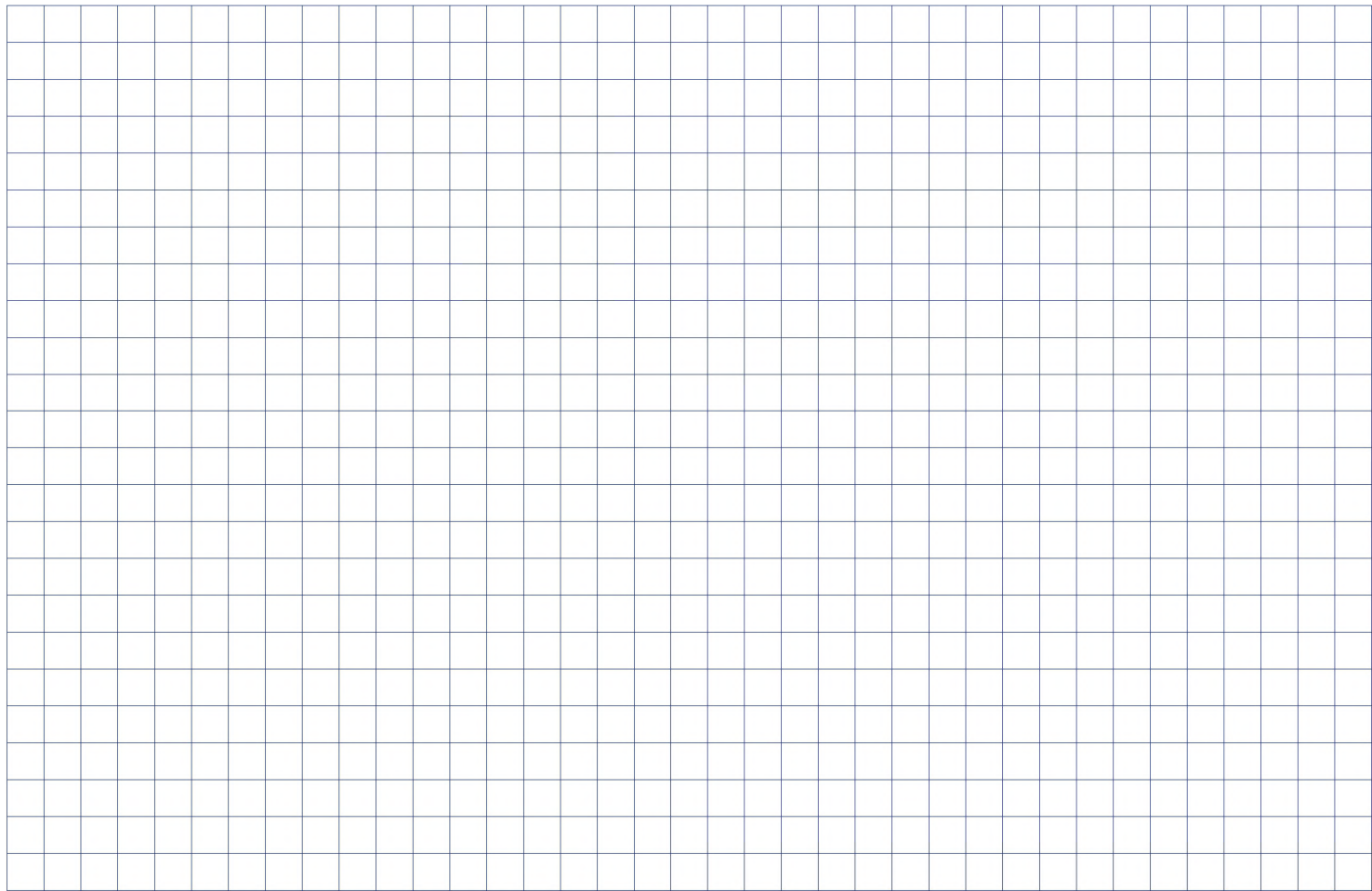
The information Board of the DSP 52-ITC-XXX series is equipped with its own independent input box, which allows you to make a transit connection .



MODIFICATIONS

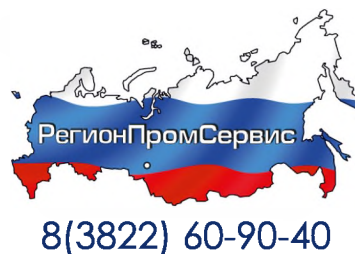
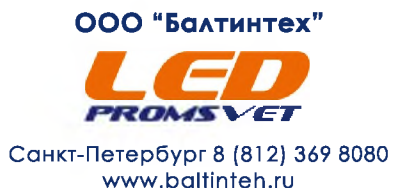
			
008	003	001	007
			
017	013	002	006
			
010	012	009	004
			
019	020	014	016
			
018	011	005	015

The text of the inscription or drawing of the sign (pictogram) and the color of the backlight can be determined by the customer individually.





Official representatives:



THEY TRUST US



The image features five vertical dark blue lines of varying heights. Two lines are on the left side, and two are on the right side. A single line is positioned in the center, between the two groups of lines on the sides.

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603141,
Russia, Nizhny Novgorod, village Tiled,
d. 14, industrial zone lit. A9
(831) 216-38-19
(831) 216-38-25
(831) 429-03-30