

BERGER-N-LED

Technické podmínky montáže svítidel CZ

1.8.2023/ rev.2
www.vyrtych.cz

BERGER-N-LED-2, 21 FTZU 22 ATEX 0107X

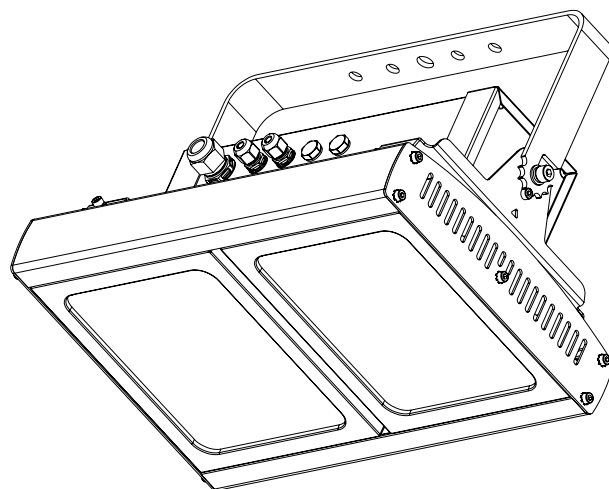
BERGER-N-LED-2, 22 FTZU 22 ATEX 0108X

II 3G Ex nR IIC T6...T5 Gc
II 2D Ex tb op is IIIC T85°C Db
IP66, třída izolace I

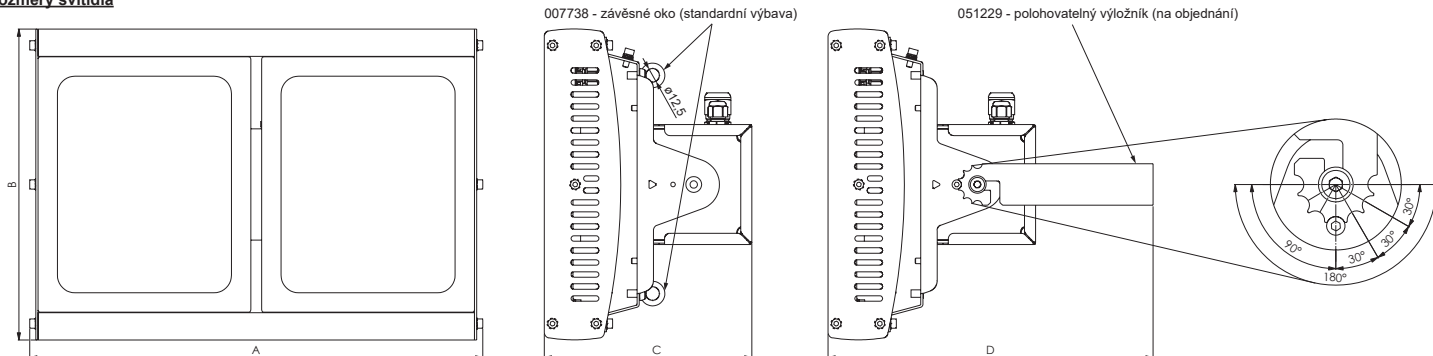
II 3G Ex nR IIC T6...T5 Gc
II 3D Ex tc IIIC T85°C Dc
IP66, třída izolace I

Tato svítidla splňují požadavky nařízení vlády 116/2016 Sb. v platném znění (2014/34/EU).
Mají uplatnění v prostorách s nebezpečím výbuchu dle následující tabulky:

Prostor s nebezpečím výbuchu	Označení vnějších vívů	Klasifikace prostor	
		Označení	Zřizovací předpis
Nebezpečí výbuchu hořlavých prachů	BE3N1	ZÓNA 22/21	ČSN EN 60079-14 ČSN EN 60079-10-2
Nebezpečí výbuchu hořlavých plynů a par	BE3N2	ZÓNA 2	ČSN EN 60079-14 ČSN EN 60079-10-1



Rozměry svítidla

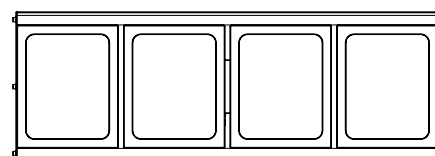
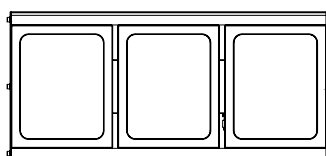
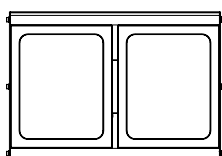
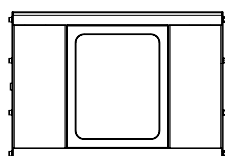


1 x MODUL

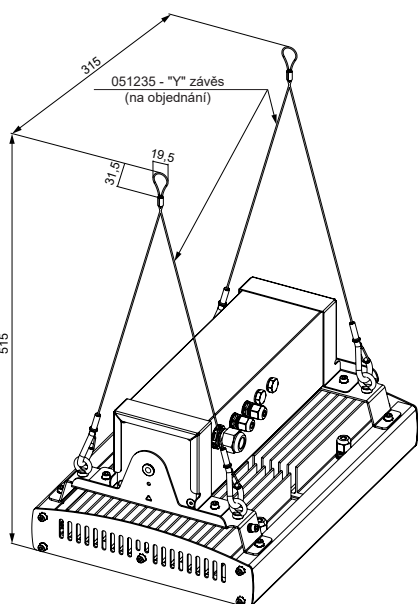
2 x MODUL

3 x MODUL

4 x MODUL

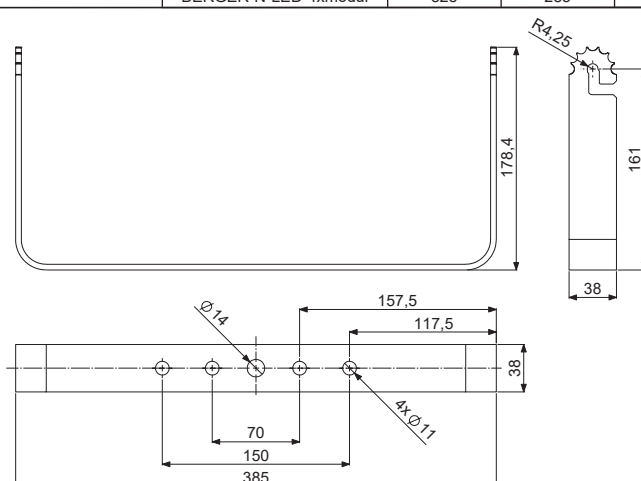


Závěsná montáž

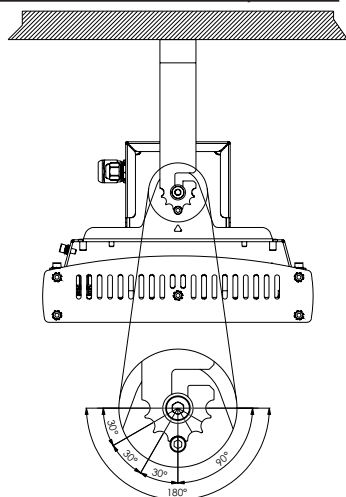


Typ	A(mm)	B(mm)	C(mm)	D(mm)
BERGER-N-LED-1xmodul	415	285	190	298
BERGER-N-LED-2xmodul	415	285	190	298
BERGER-N-LED-3xmodul	620	285	190	298
BERGER-N-LED-4xmodul	825	285	190	298

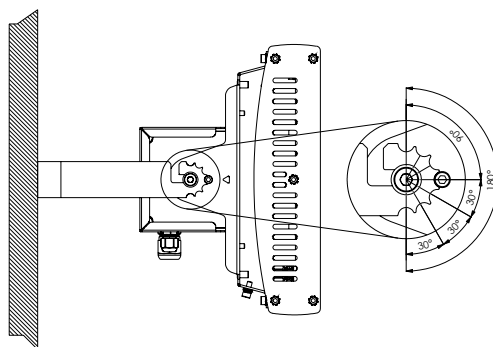
Rozměry výložníku



Stropní montáž: maximální úhel naklonění svítidla



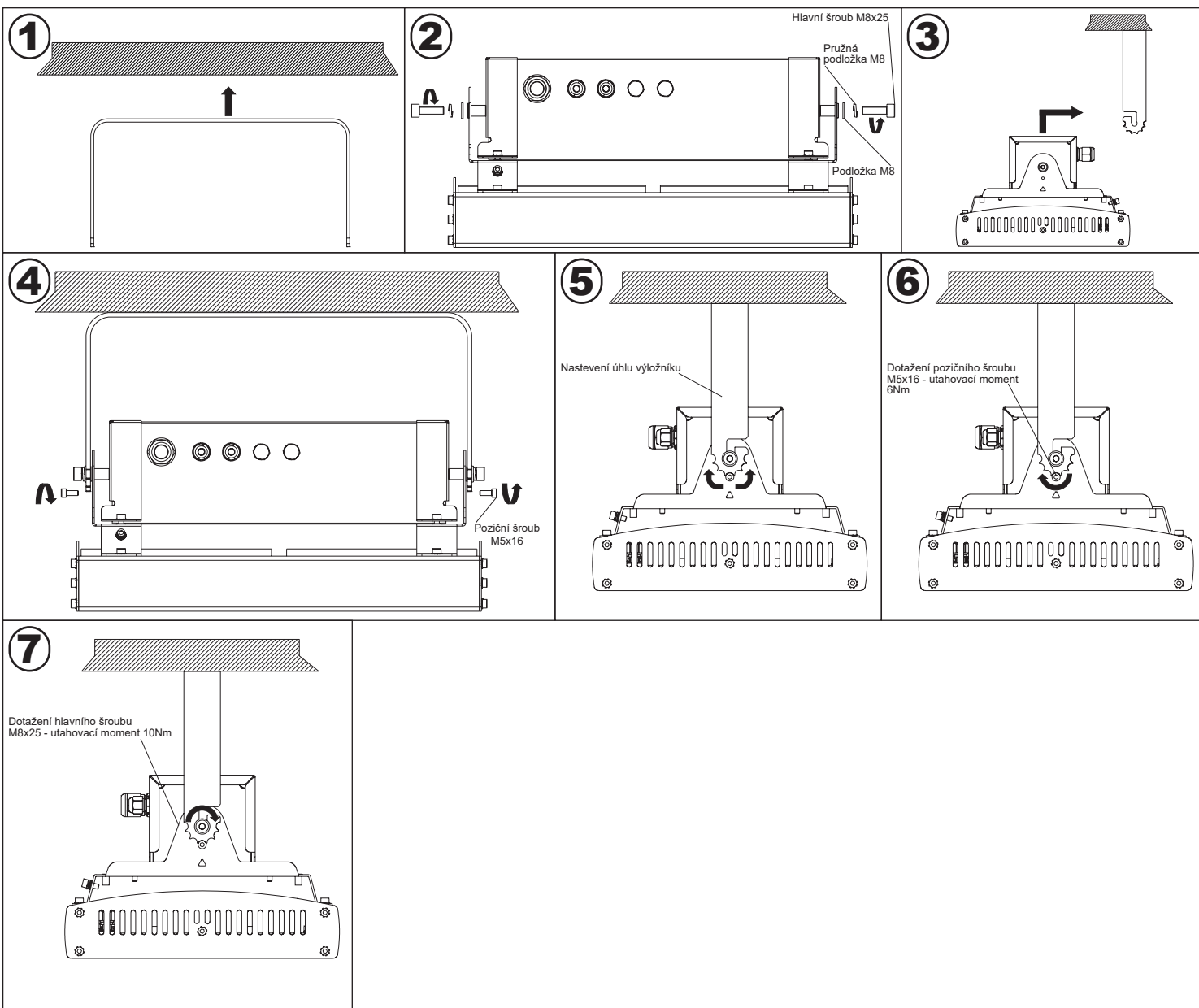
Nástěnná montáž: maximální úhel naklonění svítidla



Maximální počet svítidel zapojených na jistič

Typ svítidla	B10 A	B16 A	C10 A	C16 A
BERGER-N-LED-T50-1xmodul	19	30	31	53
BERGER-N-LED-T50-2xmodul	9	15	15	26
BERGER-N-LED-T50-3xmodul	6	10	10	17
BERGER-N-LED-T40-4xmodul	-	2	-	4
BERGER-N-LED-T60-1xmodul	19	30	31	53
BERGER-N-LED-T60-2xmodul	9	15	15	26
BERGER-N-LED-T60-3xmodul	6	10	10	17
BERGER-N-LED-T60-4xmodul	-	2	-	4
BERGER-N-LED-T70-1xmodul	-	5	-	8
BERGER-N-LED-T70-2xmodul	19	30	31	53
BERGER-N-LED-T70-3xmodul	19	30	31	53
BERGER-N-LED-T70-4xmodul	9	15	15	26
BERGER-N-LED-FROST-1xmodul	-	5	-	8
BERGER-N-LED-FROST-2xmodul	-	3	-	6
BERGER-N-LED-FROST-3xmodul	-	2	-	4
BERGER-N-LED-FROST-4xmodul	-	2	-	4

Postup montáže svítidla s výložníkem



Strana 3/3

svorka vnějšího pospojení (max. 4mm², utahovací moment 4Nm)

BERGER-N-LED

Technical conditions of the luminaires installation ENG

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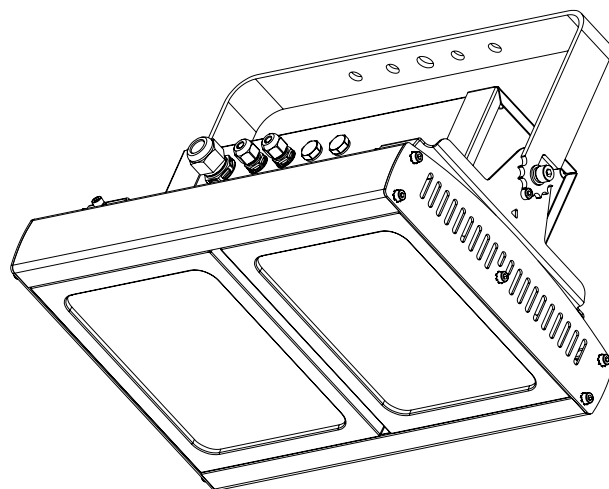
BERGER-N-LED-2, 22 FTZU 22 ATEX 0108X

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 IP66, class I

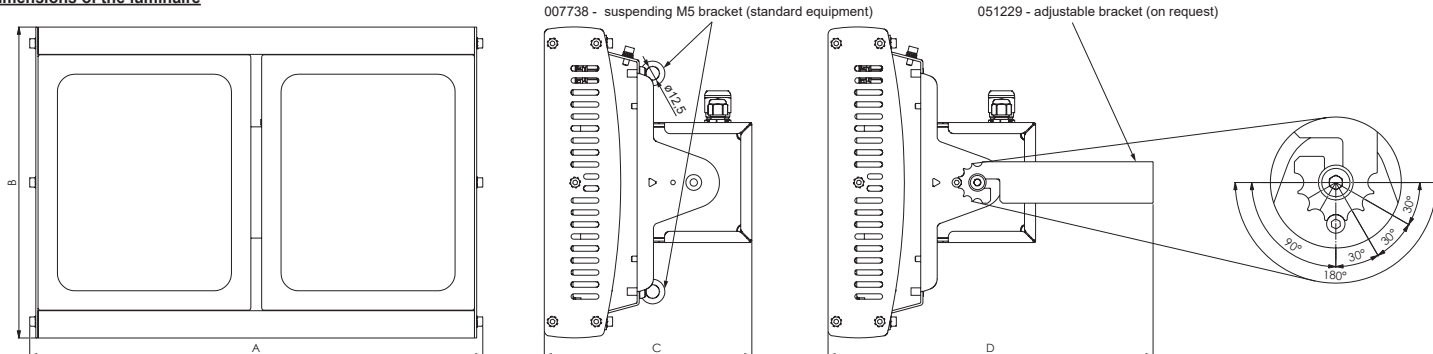
II 3G Ex nR IIC T6...T5 Gc
 II 3D Ex tc IIIC T85°C Dc
 IP66, class I

The explosion proof light fittings meet the standards according to the EU instructions 2014/34/EU. They can be used in areas with danger of explosion according to the following chart:

Area with danger of explosive	Marking of external influences	Classification of area	
		Marking	Complusory regulation
Danger of explosion of inflammable dust	BE3N1	ZONE 22/21	ČSN EN 60079-14 ČSN EN 60079-10-2
Danger of explosion of inflammable gas and vapors	BE3N2	ZONE 2	ČSN EN 60079-14 ČSN EN 60079-10-1



Dimensions of the luminaire

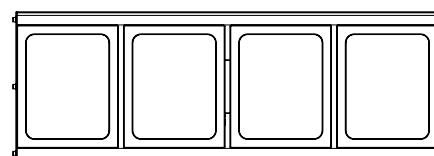
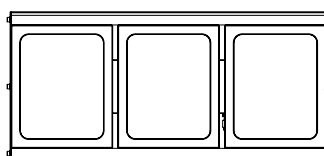
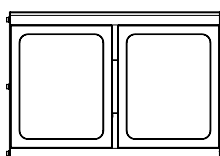
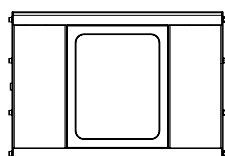


1 x MODULE

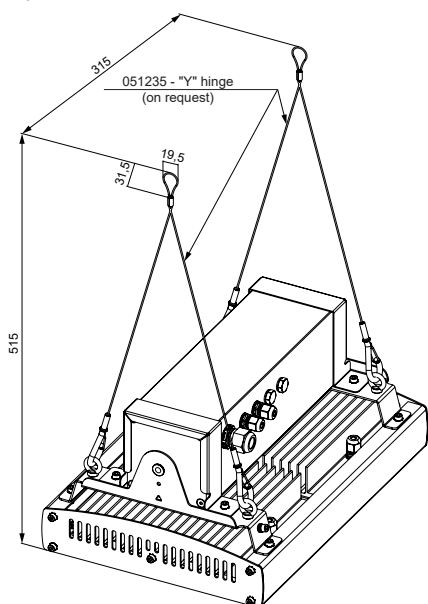
2 x MODULE

3 x MODULE

4 x MODULE

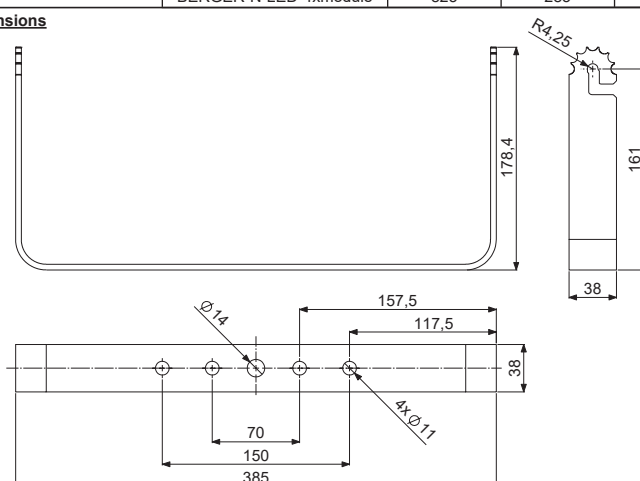


Suspended installation

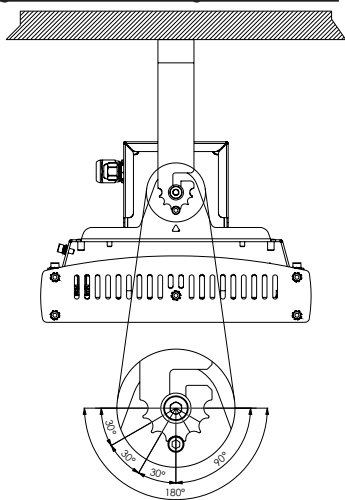


Type	A(mm)	B(mm)	C(mm)	D(mm)
BERGER-N-LED-1xmodule	415	285	190	298
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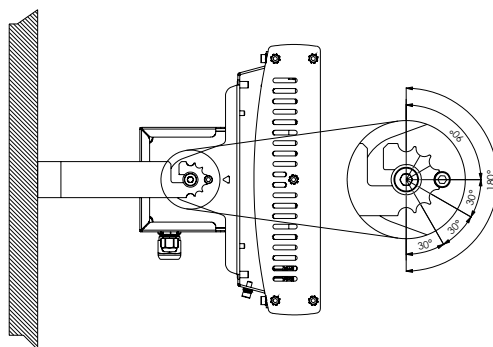
Mounting bracket dimensions



Ceiling installation: max. tilt angle of the luminaire



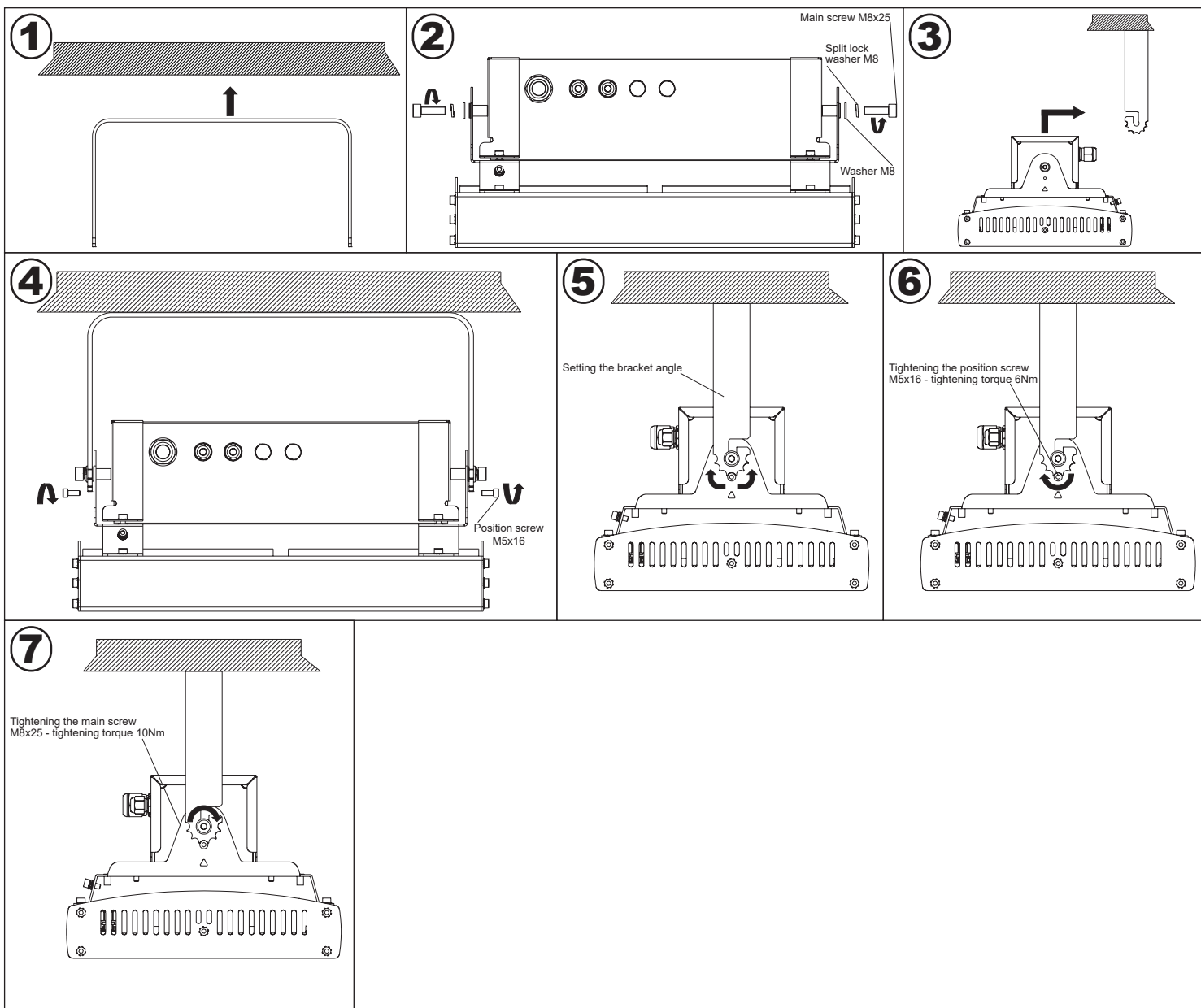
Wall installation: max. tilt angle of the luminaire



Maximum allowed number luminaires for circuit breaker

Type of luminaire	B10 A	B16 A	C10 A	C16 A
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BERGER-N-LED-FROST-1xmodule	-	5	-	8
BERGER-N-LED-FROST-2xmodule	-	3	-	6
BERGER-N-LED-FROST-3xmodule	-	2	-	4
BERGER-N-LED-FROST-4xmodule	-	2	-	4

Mounting instructions for luminaire with bracket



VYRTYCH

Zdrnoves 116, 294 06 Březno, Czech Republic

- ① BERGER-N-LED-G,D-Ta-x-y-zK-DALI, IPxx
- ② II 3G Ex nR IIC T6 Gc
- ③ II 2D Ex tb op is IIIC T85°C Db
- ④ FTZÚ 22 ATEX 0107X
- ⑤ 220-240V, 0/50/60 Hz, 71W
- ⑥ -20°C ≤ ta ≤ 50°C, IP66, class I
- ⑦ 080800
- ⑧ 62071072



Marking of luminaires

1. Name

BERGER-N-LED-G,D-Ta-x-y-zK-DALI-nM

- G - marking of zone with danger of explosion of flammable gas and vapors
- D - marking of zone with danger of explosion of flammable dust
- Ta - ambient temperature, which is luminaire intended for (°C)
- x - type of optical system
- y - marking of luminous flux value LED modules (lm)
- zK - correlated color temperature (K)
- DALI - marking of dimmable luminaire (option)
- nM - marking of the number of modules

2. Marking of luminaire protection against danger of explosion of inflammable gas and vapors

3. Marking of luminaire protection against danger of explosion of inflammable dust

4. Marking of certificate

- FTZÚ - abbreviation of certification body which issued the certificate
- 22 - year of issue the certificate
- ATEX - abbreviation of type of certificate
- 0107X - certificate number

5. Marking of operation voltage, frequency and power of luminaire

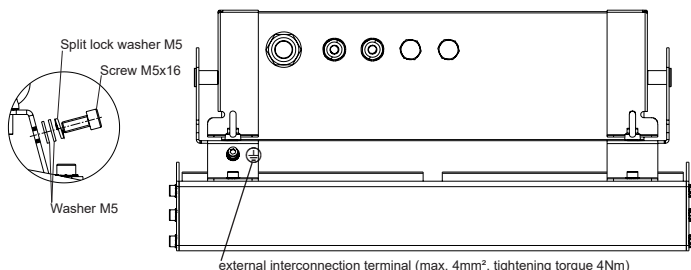
6. Marking of the permissible ambient temperature range, degree of protection IP and class

7. Item number

8. Internal identification number

9. Notified Body number

Position of external interconnection



Connection of luminaire

The luminaire is equipped by 2m cable (3x1,5mm²/ 5x1,5mm²). The cable is ended by sleeves.

Standard luminaire:

green-yellow wire = ⊕
blue wire = N
brown wire = L

Luminaire with DALI:

green-yellow wire = ⊕
blue wire = N
brown wire = L
black vodič = DA
grey vodič = DA

The marking of individual terminals and connections may differ, depending on the required equipment of the luminaire.

In case of confusion contact the technical support of VYRTYCH a.s.

In case of any interventions on luminaire in premises with danger of explosion, the national safety rules and regulation for prevention of accidents are to be observed. BERGER-N-LED luminaires are aluminium, dustproof a waterproof luminaires intended to illumination zone with danger of explosion.



The luminaire can be installed only by authorized person.

When installing luminaire, observe the ESD safety using appropriate tools!

If the mounting instructions are not observed the producer can't be responsible for incidental damages incurred.

The light source, gasket, cable glands or plugs in this luminaire can be replaced only producer or its contractual service technique or a similarly qualified person.

Any modification or replacement of components on the luminaire that affects the protection against dangerous explosions is prohibited.

Repairs to luminaires may only be carried out by a suitably qualified person and only with original spare parts.



WARNING!!!

Potential danger of electrostatic charging

The luminaire must be installed in the position, which does not allow the touch of persons and parts of the luminaire

The luminaire is for fixed installation

The luminaire should be cleaned with damp duster only. It is necessary to keep periodic cleaning intervals of luminaire

Do not open when energized

Replace damaged protective cover



Producer included in recycling system provided by EKO-KOM Company (EK-F06070058).

INSTALLATION INSTRUCTIONS



CZ: "Tento návod k použití si můžete vyžádat ve svém mateřském jazyce u příslušného zastoupení společnosti Podpora@vyrtych.cz ve vaší zemi".

DK: "Montagevejledningen kan oversættes til andre EU-sprog og rekvireres hos Deres Podpora@vyrtych.cz leverandør".

E: "En caso necesario podrá solicitar de su representante Podpora@vyrtych.cz estas instrucciones de servicio en otro idioma de la Union Europea".

EST: "Seda kasutusjuhendit oma riigikeeles võite küsida oma riigis asuvas asjaomasest Podpora@vyrtych.cz esindusest".

FIN: "Tarvittaessa tämän käyttöohjeen käännös on saatavissa toisella EU:n kielellä Teidän Podpora@vyrtych.cz G - edustajaltanne".

GR: Εαν χρειασθεί, μετάφραση των οδηγιών χρήσεως σε άλλη γλώσσα της ΕΕ, μπορεί να ζητηθεί από τον Αντιπροσωπο της Podpora@vyrtych.cz".

H: "A kezelési útmutatót az adott ország nyelvére a Podpora@vyrtych.cz cég helyi képviselőjénél igényelheti meg".

I: "Se desiderate la traduzione del manuale operativo in un'altra lingua della Comunità Europea potete richiederla al vostro rappresentante Podpora@vyrtych.cz".

LT: "Šios naudojimo instrukcijos, išverstos į Jūsų gimtąją kalbą, galite pareikalauti atsakingoje "kėpviseletėn" atstovybėje savo šalyje. Podpora@vyrtych.cz

LV: "Šo ekspluatācijas instrukciju valsts valodā varat pieprasīt Jūsu valsts atbildīgajā Podpora@vyrtych.cz pārstāvniecībā".

M: "Istighjo jitolbu dan il-manwal fil-lingwa nazzjonali tagħhom minghand ir-rappreżentant ta' Podpora@vyrtych.cz f'pajjiżhom".

NL: "Indien noodzakelijk kan de vertaling van deze gebruiksinstructie in een andere EU-taal worden opgevraagd bij Uw Podpora@vyrtych.cz vertegenwoordiging".

P: "Se for necessária a tradução destas instruções de operação para outro idioma da União Europeia, pode solicita-la junto do seu representante Podpora@vyrtych.cz".

PL: "Niniejszą instrukcję obsługi w odpowiedniej wersji językowej można zamówić w przedstawicielstwie firmy Podpora@vyrtych.cz na dany kraj".

S: "En översättning av denna montage- och skötselinstruktion till annat EU - språk kan vid behov beställas från Er Podpora@vyrtych.cz representant".

SK: "Tento návod na obsluhu Vám vo Vašom rodnom jazyku poskytne zastúpenie spoločnosti Podpora@vyrtych.cz vo Vašej krajine".

SLO: "Navodila za uporabo v Vašem jeziku lahko zahtevate pri pristojnem zastopništvu podjetja Podpora@vyrtych.cz v Vaši državi".