PROJEKTNA ORGANIZACIJA – IZS 0671
JRS, d.d., Ljubljana, Litijska cesta 263.
Družba je vpisana pri Okrožnem sodišču v Ljubljani. Št. registrskega vpisa: 1/30024/00
Osnovni kapital družbe: 33.360,00 EUR. Matična št. 1216112. Davčna št. 90408055.

JRS d.d., LJUBLJANA
Litijska cesta 263, 1000 Ljubljana
tel: +386 1 58 63 600
fax: +386 1 54 29 513
email: info@jrs.si

4.4-1TIPSKE PRILOGE

GE
Lighting

WORLDWIDE PARTNER



DATA SHEET

SMBt

RAL 7035 | IP66 | IP66 | IK09 | max 7,5 kg

Product information

Introducing GE's new LED roadway lighting fixture, which makes all the advantages of LED lighting available for a wide audience. Designed to replace 35-150W HID fixtures, the SMBt is a great LED solution for minor roads, residential streets and other public spaces where modest level of illumination are required.

Application areas

Pedestrian street

Car park

Road & street lighting

Driver features

- Electronic, dimmable (DALI) driver with autonomous dimming: 16-105W
- Minimum dimming level 14W

Structures and materials

- Housing material: die-cast aluminium body, corrosion resistant screws and brackets
- Optic material: coated polycarbonate
- Optical cover: glass
- Colour: RAL7035

Performance

- Rated luminous flux range: from 1.920 to 11.700 lm at 4000K
- Rated luminaire efficacy: Up to 125lm/W at 4000K.
- Photometric code: 730/559, 740/559
- Rated median useful life and the associated rated LM factor L80B50: > 102.000 hours
- Rated abrupt failure value: 11.5 %
- Lumen maintenance code: 8
- Rated ambient temperature (tq) related to performance for a luminaire: 25°C

*Definitions and tolerances according to IEC62722-2-1:2014
**Project specific

Installation and maintenance

Mounting options:
- Side mount bracket ø42mm-60mm
- Post top bracket ø42mm-76mm
- Universal coupler side ø35mm-76mm
- Universal coupler post ø35mm-76mm
- Bracket can be adjusted: -5°, 0°, +5°
- Universal Coupler can be adjusted -15°,-10°, -5°, 0°, +5°, +10°, +15° by 5°degree steps
- Weight: 7,5 kg
- Storage temperature up to 85°C.
- Ambient temperature from -30°C to +35°C

Optics

Available photometric distributions:
- Narrow Asymmetric – medium (B)
- Asymmetric – short (C)
- Asymmetric forward – very short (D)
- Asymmetric – medium (E)
- Forward asymmetric – medium (F)
- Narrow asymmetric – short (N)
- Narrow asymmetric with backlight – short (P)
- Narrow asymmetric – medium (R)
- Narrow asymmetric – medium (S)
- Asymmetric – short (T)
- Asymmetric – medium (U)

Rated colour rendering index:>70
Rated correlated colour temperatures*: 3000K, 4000K
S/P rating for : 3000K: 1.33, 4000K: 1.56
ULOR: 0

Rated initial chromaticity co-ordinate values 3000K, 4000K:
- CIE(x=0.43, y=0.403) 5SDC
- CIE(x= 0.38, y= 0.38) 5SDC

Electrical

Input voltage and frequency: 220-240V, 50-60Hz
Class I: standard
Surge protection: minimum 6kV/3kA
Rated input power: 15W to 105W

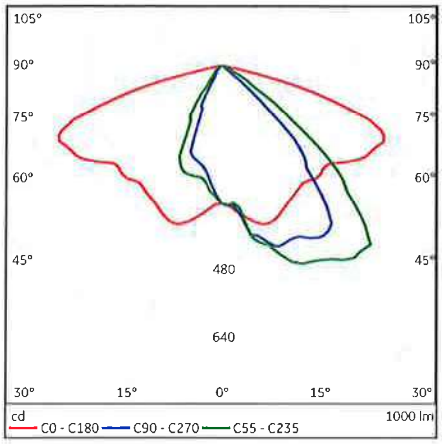
Standards and regulation

CE, ENEC, Directive 2004/108/EC, 2006/95/EC, 2009/125/EC 1194/2012/EU, 2011/65/EC, EN 60598, EN 62471, EN 55015, EN 61000, EN 62493, EN 61547

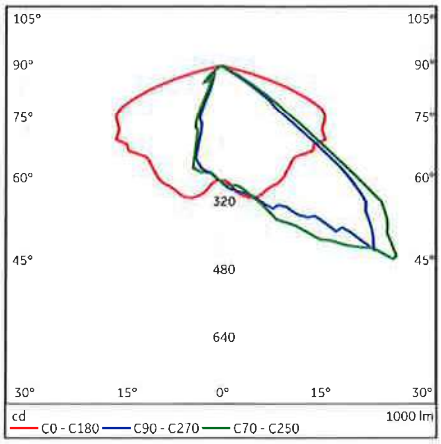
Other options available

Precabling, extra surge protection up tp 10kV/5kA, daylight sensor

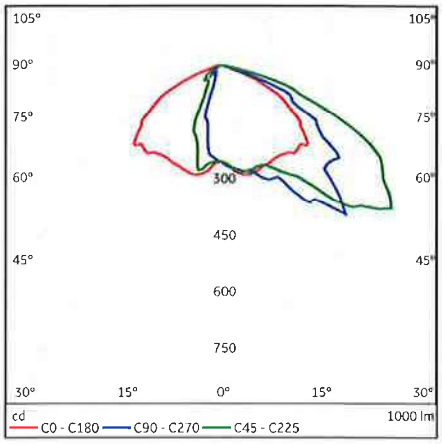
Typical photometrical features



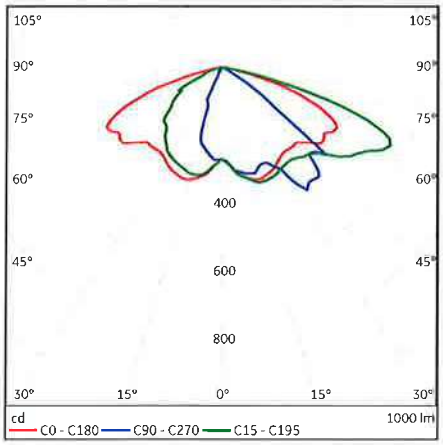
B



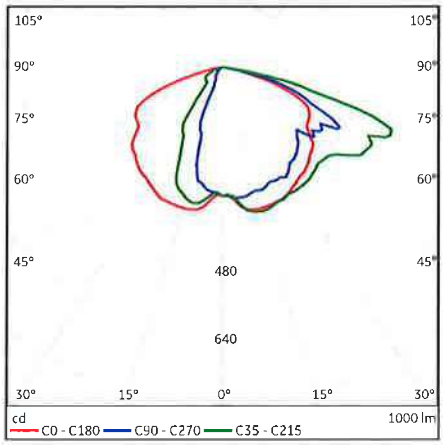
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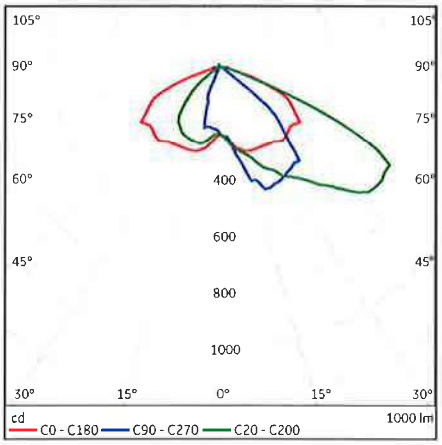
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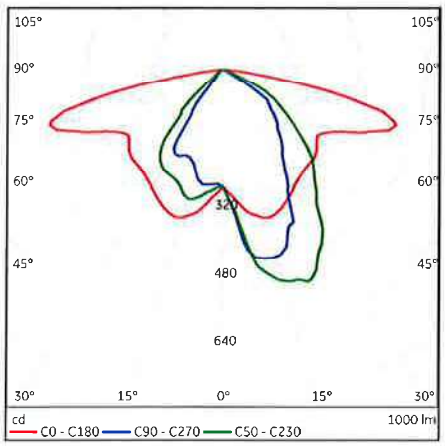
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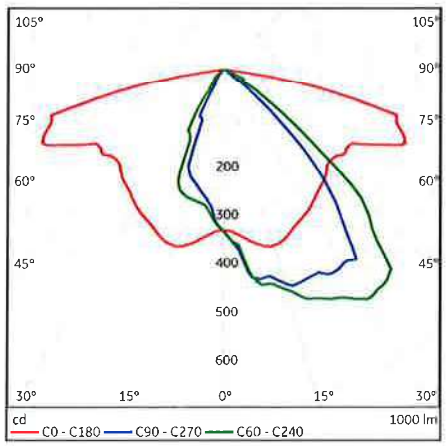
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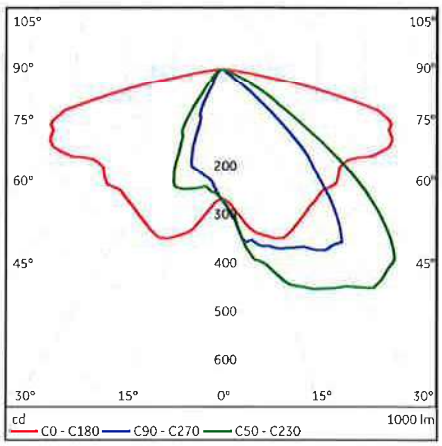
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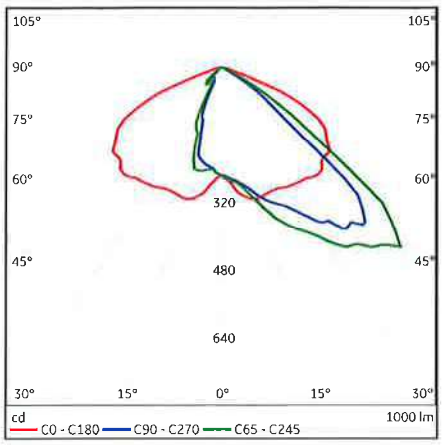
P



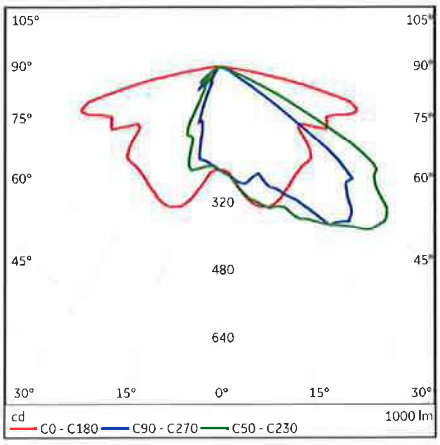
R



S

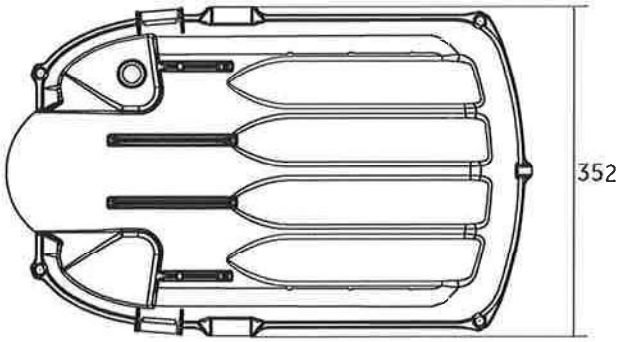


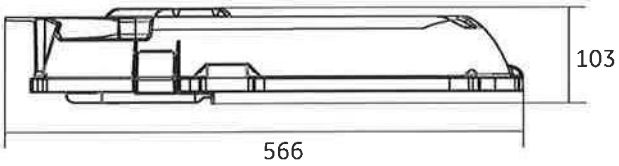
T



U

Dimensions (mm)





Order logic

Name	Gen.	Front Glass	Optics	Power (W)	CCT (K)	Control	Accessories	IEC Protection Classes	Precabling	Mounting	Color
SMBT	**1**	**F**-Flat Glass	B C D E F N P R S T U	15 20 25 30 35 40 50 60 75 90 105	**3**-3000 **4**-4000	**N** - No control **D** - DALI **Y** - DynaDim **C** - Clockdim **NL**- No control with CLO **DL**- Dali with CLO **YL** - DynaDim with CLO **CL**- Clockdim with CLO	**ST** - Standard type **M3** - Minicell 35lux* **SP** - Extra Surge protection **F** - Fuse* **LS** - 7 pin NEMA socket** **SR** - Smart connector	**C1** - Class I **C2** - Class II	**N**- No precabling **PXX**- Precabling with XX meters	**S60** - Side mount bracket 42-60mm **P76** - Post top bracket 48-76mm **U35** - Universal coupler 35-42 mm **U50** - Universal coupler 42-55 mm **U60** - Universal coupler 50-60 mm **U76** - Universal coupler 55-76 mm	R7035

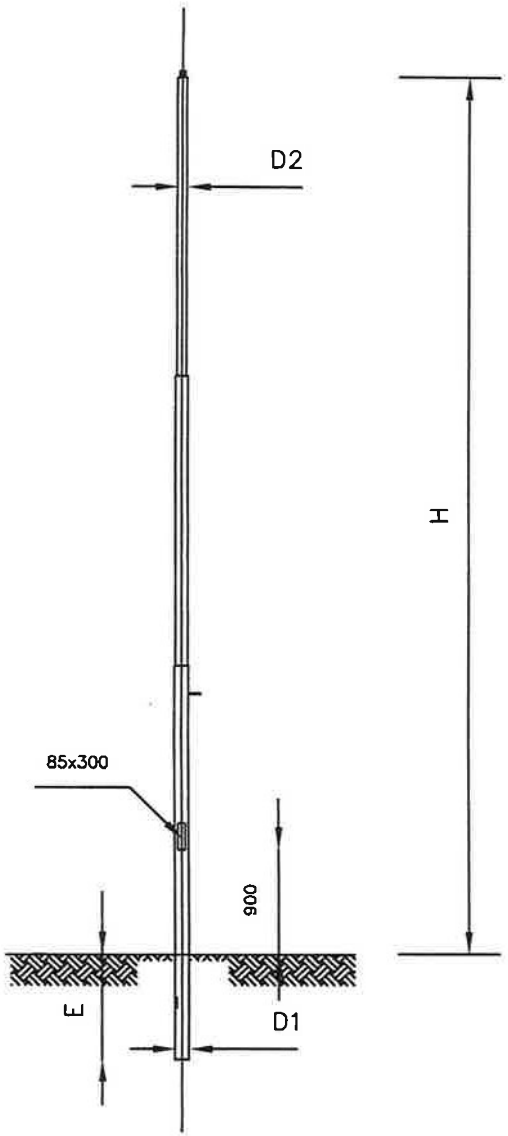
Example: SMBt/1/F/B/105/40/N/ST/C1/N/S60

*Minicell and Fuse is not available with C2 IEC protection class
**7 pin Nema socket is not available with C2 IEC protection class

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GE Lighting is constantly developing and improving its products. For this reason, all product descriptions in this brochure are intended as a general guide, and we may change specifications time to time in the interest of product development, without prior notification or public announcement. All descriptions in this publication present only general particulars of the goods to which they refer and shall not form part of any contract. Data in this guide has been obtained in controlled experimental conditions. However, GE Lighting cannot accept any liability arising from the reliance on such data to the extent permitted by law.

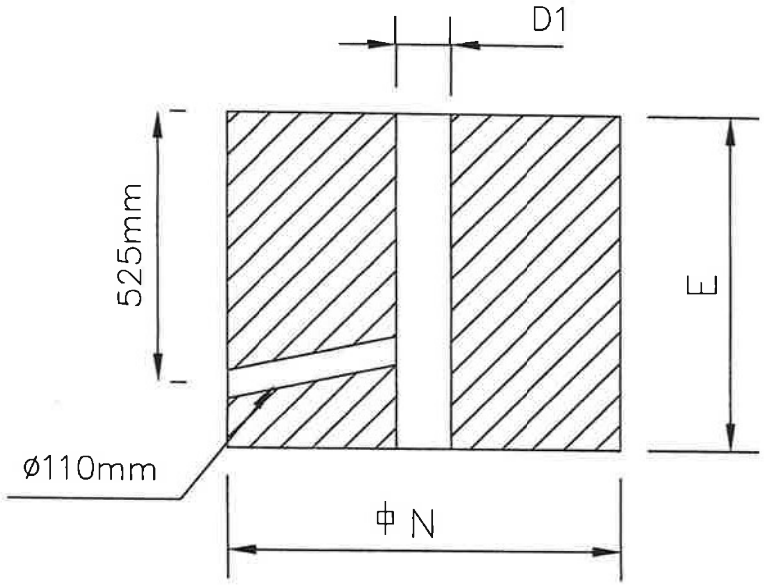
DIMENZIJE KANDELABROV V ODVISNOSTI OD VIŠINE



H(m)	D2(mm)	D1(mm)	E(mm)	ŠTEVILO SEGMENTOV
3	57	102	500	2
3.5	57	102	500	2
4	57	102	700	2
5	57	102	700	2
6	76	102	700	2
7	95	140	1000	3
8	95	140	1000	3
9	95	140	1000	3
10	108	159	1200	3
12	108	168	1600	4
14	108	191	1600	4
15	108	244	2000	4
16	108	244	2000	4

DATUM	JANUAR 2006	JRS d.d. LJUBLJANA Litijska c. 263, 1261 LJUBLJANA	NAZIV : DIMENZIJE KANDELABROV	MERILO : %
OBDELAL				
RISAL	B. Babič		PROJEKT [T. : TIPSKE PRILOGE	

VELIKOST BETONSKEGA TEMELJA B 15



VIŠINA(m)	фN(mm)	E(mm)	D1(mm)
3 in 3.5	500	600	200
4 in 5	600	800	200
6 in 7	700	1000	200
8 in 9	800	1200	300
10	1000	1500	300
12	1200	1700	300
14	1200	1800	400
15	1200	2000	400
16	1200	2000	400

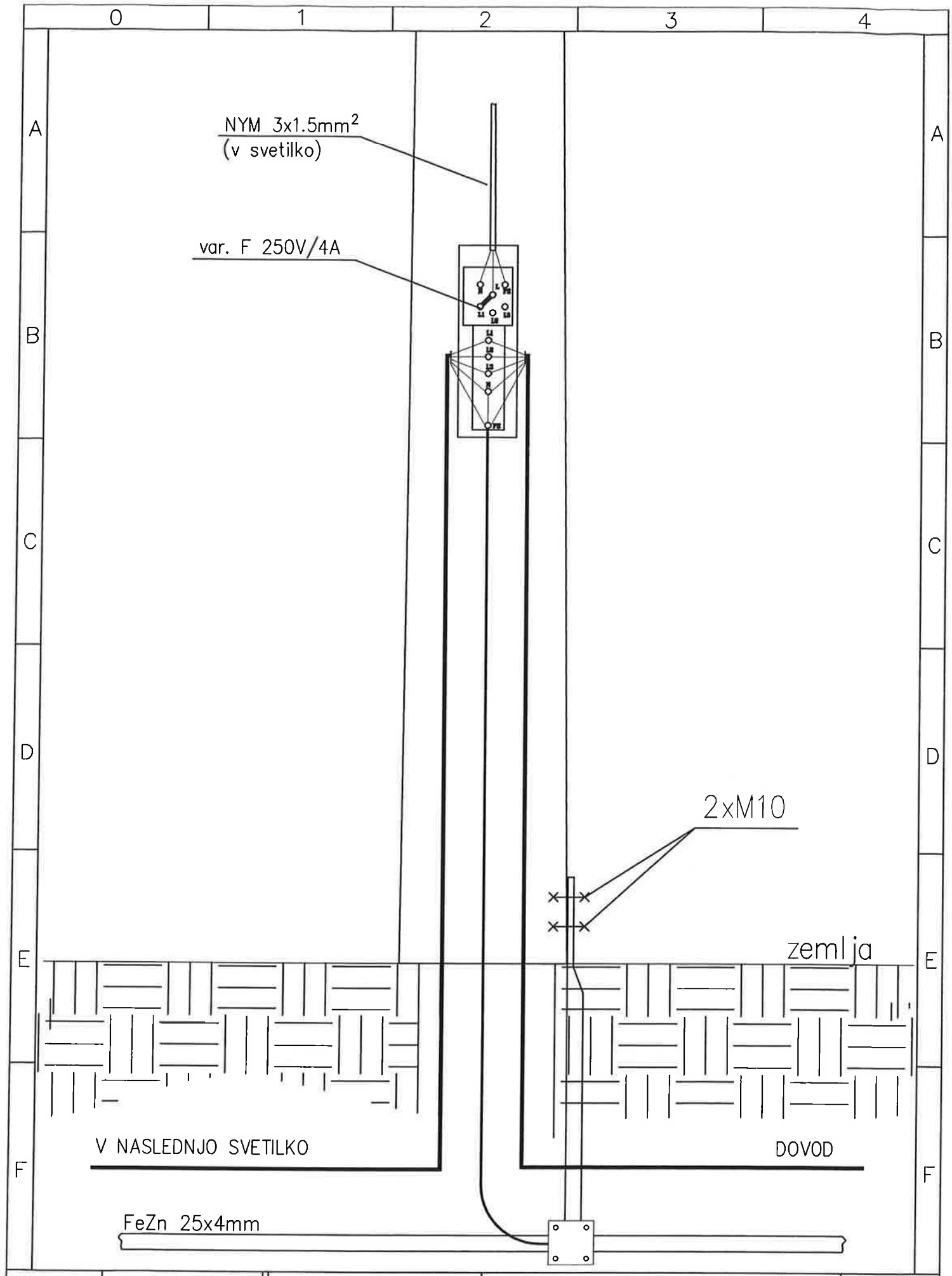
DATUM	
OBDELAL	
RISAL	S. Jeriček

JRS d.d. LJUBLJANA
Litijska c. 263, 1261 LJUBLJANA

NAZIV : VELIKOST BETONSKEGA TEMELJA B–15

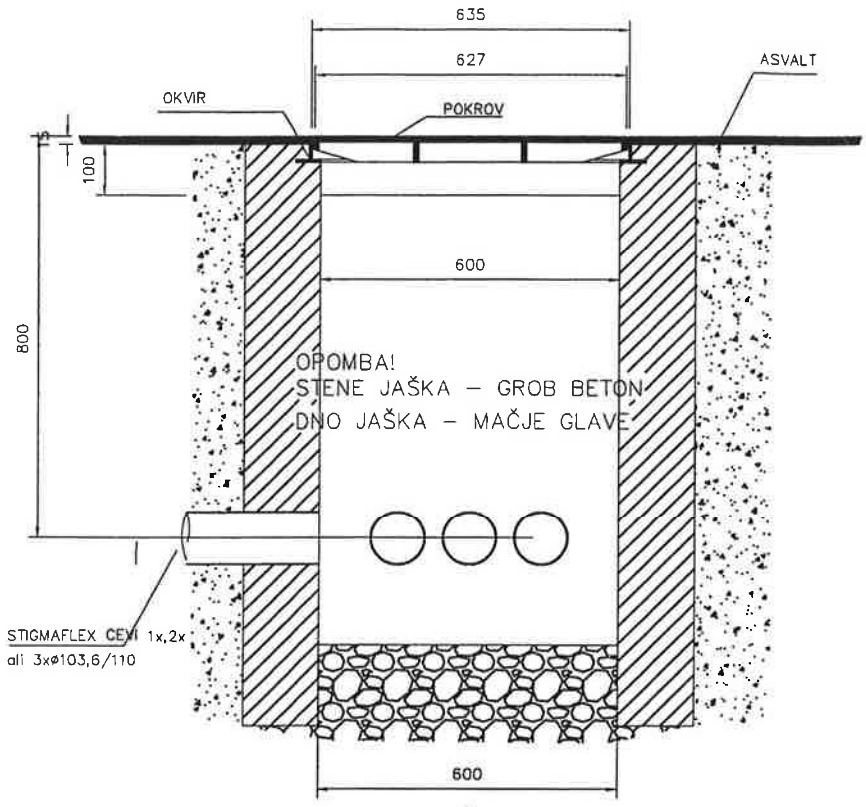
PROJEKT [T. : TIPSKE PRILOGE

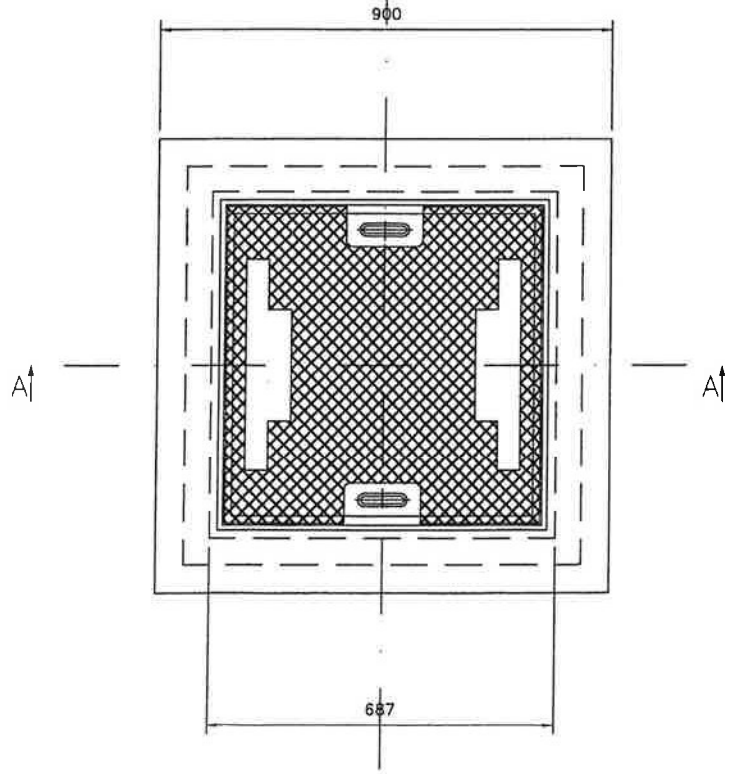
MERILO : %



DATUM		JRS d.d. LJUBLJANA Litijska c. 263, 1261 LJUBLJANA	NAZIV : Vezava kablov in ozemljitve kovinski kandelaber	RISBA: G.
			TIPSKA PRILOGA	LIST:

Prerez "A–A"





DATUM	sept. 2003
OBDELAL	D. Žagar inž.
RISAL	D. Žagar inž.

JRS d.d., LJUBLJANA
Litijska cesta 263, 1000 Ljubljana
Tel.: 01/ 54 29 414, 54 29 504
Faks: 01/ 54 29 400

NAZIV :

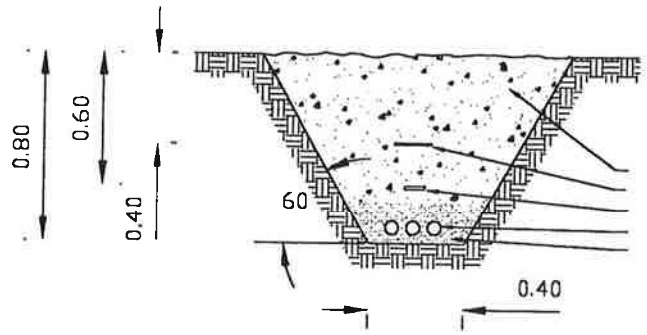
JAŠEK 60 x 60 cm

PROJEKT ŠT. : TIPSKA PRILOGA

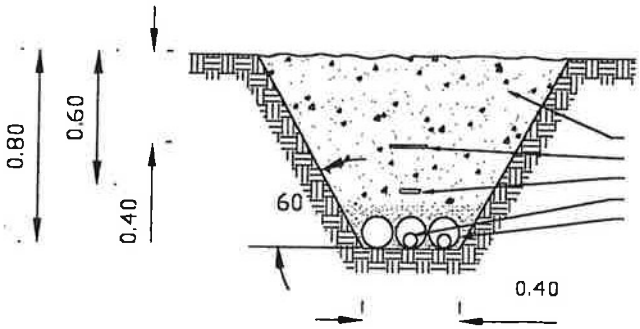
MERILO :

ni v merilu

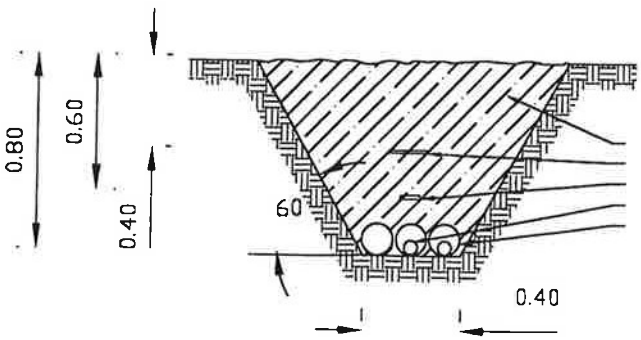
IZKOP IN NAČIN POLAGANJA



izkopani material
opozorilna folija
pocinkani valjanec
kabli
drobnozrnat material



izkopani material
opozorilna folija
pocinkani valjanec
kabli
stigmaflex cevi



pusti beton
opozorilna folija
pocinkani valjanec
kabli
stigmaflex cevi

DATUM	januar 1997
OBDELAL	D. Žagar inž.
RISAL	V. Pangršič

JRS d.d. LJUBLJANA
Litijska c. 263, 1261 LJUBLJANA

NAZIV :

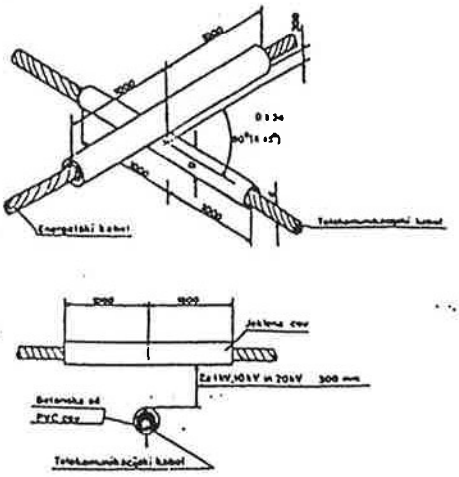
NAČIN POLAGANJA KABLA

PROJEKT [T : TIPSKA PRILOGA

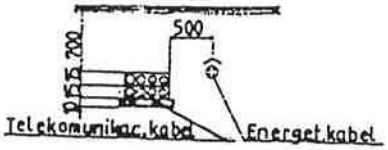
MERILO :

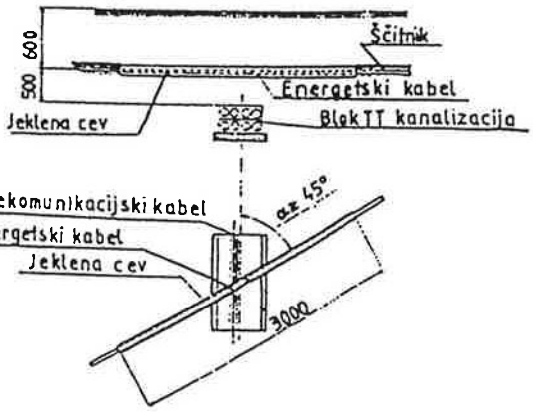
ni v merilu

Križanje elektroenergetskega kablovoda z telekomunikacijskim kablovodom

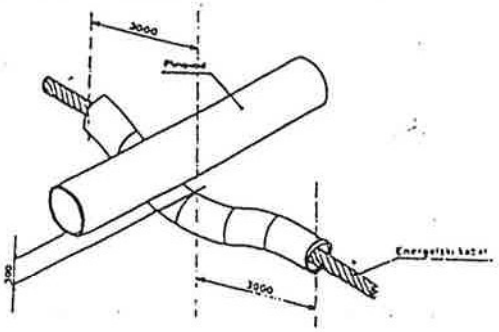


Križanje elektroenergetskega kablovoda z PTT kanalizacijo





Križanje elektroenergetskih kablov s plinovodom



DATUM	julij 1999
RISAL	S. JERIČEK dig.

JRS d.d. LJUBLJANA
Litijska c. 263, 1261 LJUBLJANA

NAZIV:
KRIŽANJE KOMUNALNIH VODOV

PROJEKT ŠT.: TIPSKA PRILOGA

MERILO: -

0	1	2	3	4

A. ELEKTROENERGETSKI KABLI

	RAZDALJA
- MEDSEBOJNO KRIŽANJE ALI PRIBLIŽEVANJE KABLOV DO 1kV	7 cm
- MEDSEBOJNO KRIŽANJE ALI PRIBLIŽEVANJE KABLOV DO 20kV	15 cm
- MEDSEBOJNO KRIŽANJE ALI PRIBLIŽEVANJE KABLOV DO 20kV S KABLI DO 1kV	15 cm

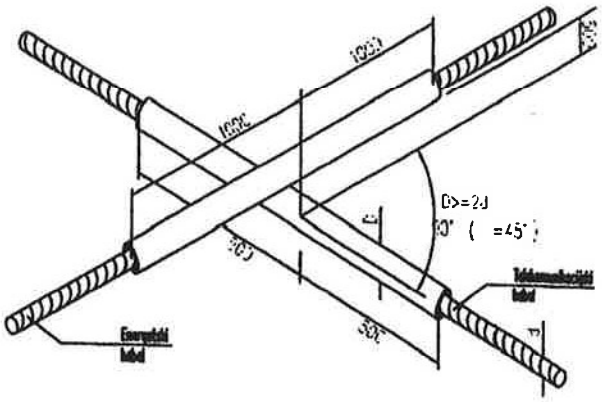
B. PTT KABLI

ELEKTRIČNI KABEL KRIŽA POD ALI NAD

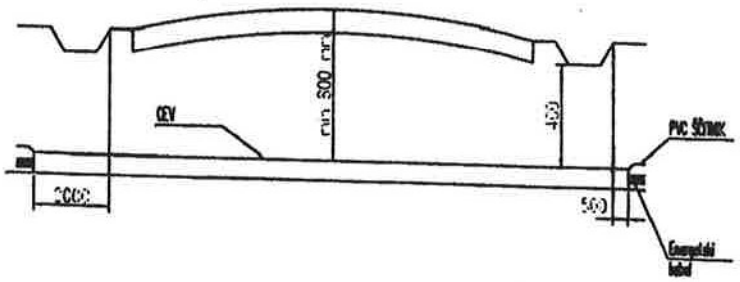
RAZDALJA PRI KRIŽANJU		RAZDALJA PRI PARALELNEM VODENJU
500 mm	DO 1kV	500 mm
	DO 20kV	1000 mm

ČE NE DOSEŽENO ZGORNJE VREDNOSTI VELJA

KRIŽANJE	PARALELNO
300 mm	300 mm



C. CESTE



D. PLINOVOD

PRI KRIŽANJU (NAD IN POD) JE VEDNO POTREBNO MEHANSKO ŠČITITI EL. KABEL IN GA POLOŽITI V ZAŠČITNO CEV, NI SEGA 3 m NA VSAKI STRANI KRIŽANJA

	KRIŽANJE	PARALELNO
V NASELJU	300 mm	600 mm
IZVEN NASELJA	300 mm	1000 mm

E. VODOVOD IN KANALIZACIJA

PRI KRIŽANJU (NAD IN POD) JE VEDNO POTREBNO ŠČITITI EL. KABEL KOT V TOČKI D.

KRIŽANJE	PARALELNO
(300 mm - 500 mm)	(300 mm - 500 mm)

ZA VENTILSKE KOMORE IN HIDRANTE MORA BITI MINIMALNA RAZDALJA 1,5 m

DATUM		JRS d.d. LJUBLJANA Litijska c. 263, 1261 LJUBLJANA	NAZIV : KRIŽANJE KOMUNALNIH VODOV TIPSKA PRILOGA	RISBA: G. LIST: