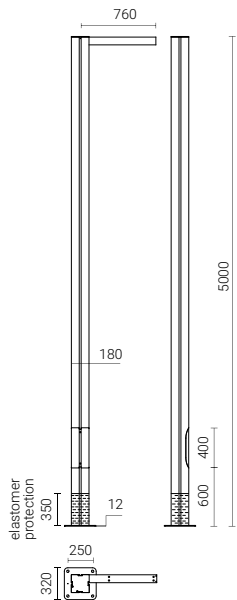
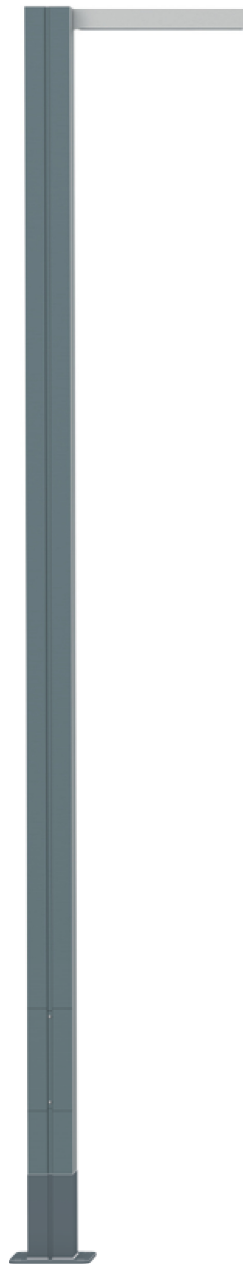
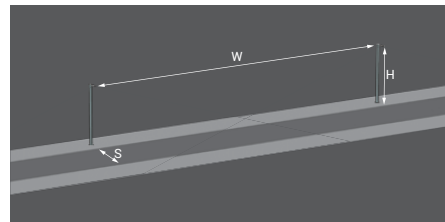


Lighting sets LED

STICK I LED



Lighting example



Bicycle and pedestrian path

STICK LED 24W, T3 optics

Parameters:

H – lighting sets height: 5 m

W – pole spacing: 27 m

S – road width: 5 m

Lighting class P3

Application: residential streets, office buildings surrounding, parks, pedestrian walkways

Ingress protection: IP 66 for the optical part and the driver

Material: anodised aluminium profiles

Colour: inox / gray

Optical system: PMMA optics, interchangeable LED module

Number of LEDs: 12 (for 24 W), 24 (for 48 W)

Expected useful lifetime: L90F10 – 50 000 h, L80F20 – 100 000 h

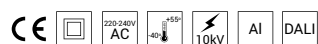
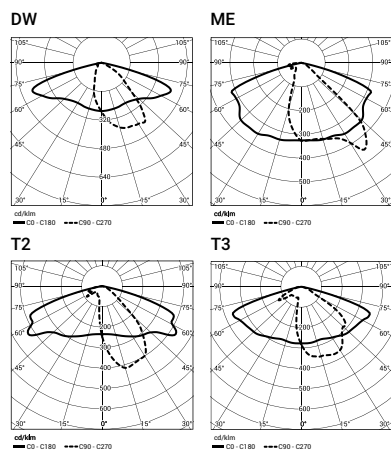
CRI: for 4000 K, 5000 K > 70, for 3500 K > 80

Unit volume: 0,95 m³

Input voltage frequency: 50/60 Hz

Power factor: ≥ 0.95

Lighting set STICK LED has the possibility to connect to an external control system via DALI interface (optionally via analog signal 1-10 V).

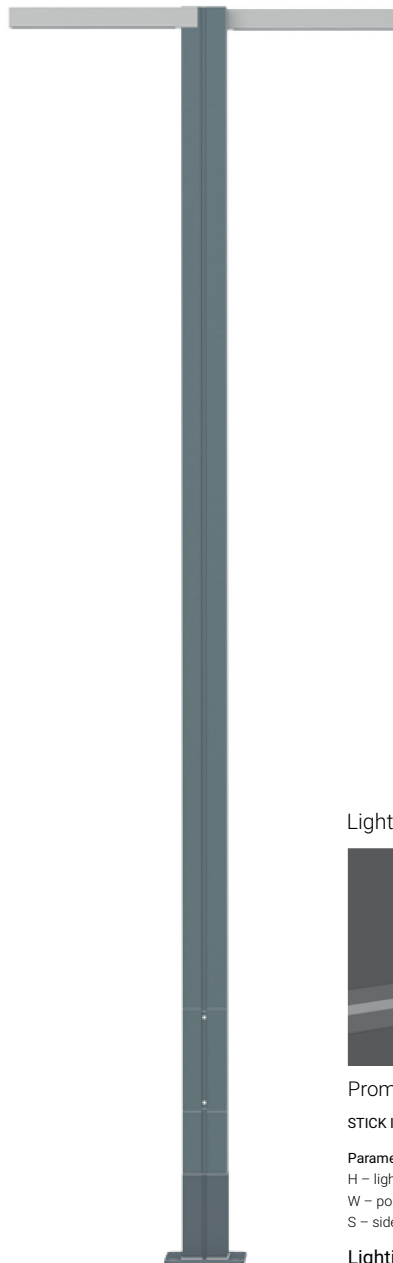
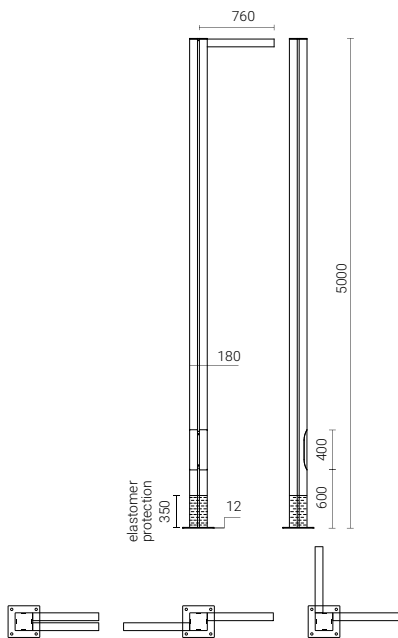
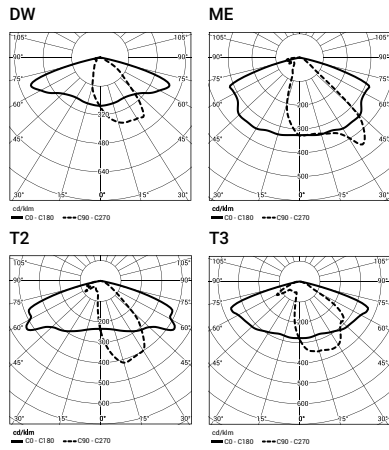


Code	Name	Height H	LED power	Luminaire power consumption	LED forward current	Colour temperature (CCT)	LEDs luminous flux	Luminaire luminous flux	Luminous efficacy	Total net weight	Concrete footing / reinforcement basket
217030/3/...	STICK LED 24	5 m	24 W	31 W	700 mA	3500 K	3500 lm	2650 lm	86 lm/W	59 kg	B-60 / Z-60
217030/4/...	STICK LED 24	5 m	24 W	31 W	700 mA	4000 K	3900 lm	2750 lm	89 lm/W	59 kg	B-60 / Z-60
217030/6/...	STICK LED 24	5 m	24 W	31 W	700 mA	5000 K	4100 lm	2900 lm	94 lm/W	59 kg	B-60 / Z-60
217033/3/...	STICK LED 48	5 m	48 W	55 W	700 mA	3500 K	7000 lm	5250 lm	95 lm/W	59 kg	B-60 / Z-60
217033/4/...	STICK LED 48	5 m	48 W	55 W	700 mA	4000 K	7300 lm	5400 lm	98 lm/W	59 kg	B-60 / Z-60
217033/6/...	STICK LED 48	5 m	48 W	55 W	700 mA	5000 K	8150 lm	5700 lm	104 lm/W	59 kg	B-60 / Z-60

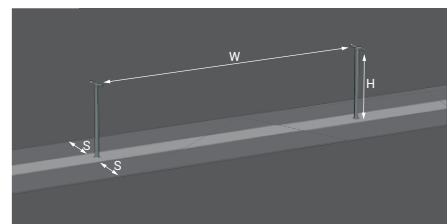
/... Symbol of selected optical system

Lighting sets LED

STICK II LED



Lighting example



Promenade

STICK II LED 24W, T2 optics

Parameters:

- H – lighting sets height: 5 m
- W – pole spacing: 19 m
- S – sidewalk width: 3,5 m

Lighting class C3

Application: residential streets, office buildings surrounding, parks, pedestrian walkways

Ingress protection: IP 66 for the optical part and the driver

Material: anodised aluminium profiles

Colour: inox / gray

Optical system: PMMA optics, interchangeable LED module

Number of LEDs: 2 x 12 (for 24 W), 2 x 24 (for 48 W)

Expected useful lifetime: L90F10 – 50 000 h, L80F20 – 100 000 h

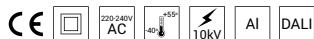
CRI: for 4000 K, 5000 K > 70, for 3500 K > 80

Unit volume: 1,51 m³

Input voltage frequency: 50/60 Hz

Power factor: ≥ 0.95

Lighting set STICK II LED has the possibility to connect to an external control system via DALI interface (optionally via analog signal 1-10V).



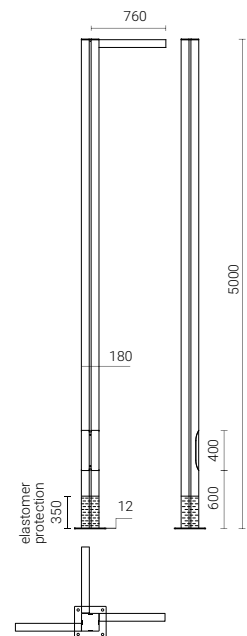
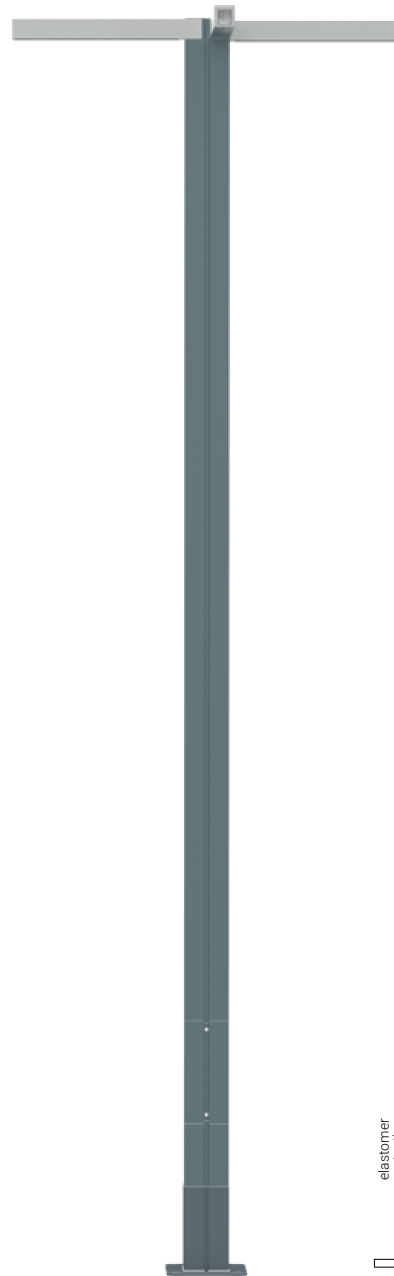
Code	Name	Height H	LED power	Luminaire power consumption	LED forward current	Colour temperature (CCT)	LEDs luminous flux	Luminaire luminous flux	Luminous efficacy	Total net weight	Concrete footing / reinforcement basket
217130/3/...	STICK II LED 2x24	5 m	2 x 24 W	2 x 31 W	700 mA	3500 K	2 x 3500 lm	2 x 2650 lm	86 lm/W	62 kg	B-60 / Z-60
217130/4/...	STICK II LED 2x24	5 m	2 x 24 W	2 x 31 W	700 mA	4000 K	2 x 3900 lm	2 x 2750 lm	89 lm/W	62 kg	B-60 / Z-60
217130/6/...	STICK II LED 2x24	5 m	2 x 24 W	2 x 31 W	700 mA	5000 K	2 x 4100 lm	2 x 2900 lm	94 lm/W	62 kg	B-60 / Z-60
217133/3/...	STICK II LED 2x48	5 m	2 x 48 W	2 x 55 W	700 mA	3500 K	2 x 7000 lm	2 x 5250 lm	95 lm/W	62 kg	B-60 / Z-60
217133/4/...	STICK II LED 2x48	5 m	2 x 48 W	2 x 55 W	700 mA	4000 K	2 x 7300 lm	2 x 5400 lm	98 lm/W	62 kg	B-60 / Z-60
217133/6/...	STICK II LED 2x48	5 m	2 x 48 W	2 x 55 W	700 mA	5000 K	2 x 8150 lm	2 x 5700 lm	104 lm/W	62 kg	B-60 / Z-60
217230/3/...	STICK II LED 90° 2x24	5 m	2 x 24 W	2 x 31 W	700 mA	3500 K	2 x 3500 lm	2 x 2650 lm	86 lm/W	62 kg	B-60 / Z-60
217230/4/...	STICK II LED 90° 2x24	5 m	2 x 24 W	2 x 31 W	700 mA	4000 K	2 x 3900 lm	2 x 2750 lm	89 lm/W	62 kg	B-60 / Z-60
217230/6/...	STICK II LED 90° 2x24	5 m	2 x 24 W	2 x 31 W	700 mA	5000 K	2 x 4100 lm	2 x 2900 lm	94 lm/W	62 kg	B-60 / Z-60
217233/3/...	STICK II LED 90° 2x48	5 m	2 x 48 W	2 x 55 W	700 mA	3500 K	2 x 7000 lm	2 x 5250 lm	95 lm/W	62 kg	B-60 / Z-60
217233/4/...	STICK II LED 90° 2x48	5 m	2 x 48 W	2 x 55 W	700 mA	4000 K	2 x 7300 lm	2 x 5400 lm	98 lm/W	62 kg	B-60 / Z-60
217233/6/...	STICK II LED 90° 2x48	5 m	2 x 48 W	2 x 55 W	700 mA	5000 K	2 x 8150 lm	2 x 5700 lm	104 lm/W	62 kg	B-60 / Z-60
217330/3/...	STICK II LED 180° 2x24	5 m	2 x 24 W	2 x 31 W	700 mA	3500 K	2 x 3500 lm	2 x 2650 lm	86 lm/W	62 kg	B-60 / Z-60
217330/4/...	STICK II LED 180° 2x24	5 m	2 x 24 W	2 x 31 W	700 mA	4000 K	2 x 3900 lm	2 x 2750 lm	89 lm/W	62 kg	B-60 / Z-60
217330/6/...	STICK II LED 180° 2x24	5 m	2 x 24 W	2 x 31 W	700 mA	5000 K	2 x 4100 lm	2 x 2900 lm	94 lm/W	62 kg	B-60 / Z-60
217333/3/...	STICK II LED 180° 2x48	5 m	2 x 48 W	2 x 55 W	700 mA	3500 K	2 x 7000 lm	2 x 5250 lm	95 lm/W	62 kg	B-60 / Z-60
217333/4/...	STICK II LED 180° 2x48	5 m	2 x 48 W	2 x 55 W	700 mA	4000 K	2 x 7300 lm	2 x 5400 lm	98 lm/W	62 kg	B-60 / Z-60
217333/6/...	STICK II LED 180° 2x48	5 m	2 x 48 W	2 x 55 W	700 mA	5000 K	2 x 8150 lm	2 x 5700 lm	104 lm/W	62 kg	B-60 / Z-60

/... Symbol of selected optical system

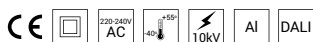
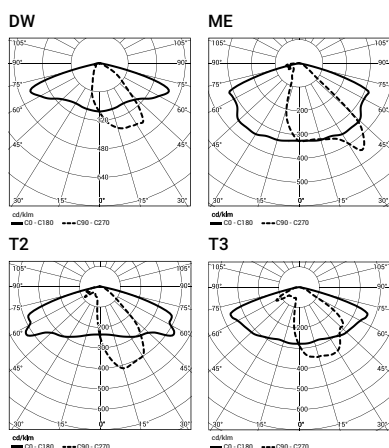
Lighting sets LED

STICK III LED

Radom, Poland



Application: residential streets, office buildings surrounding, parks, pedestrian walkways
Ingress protection: IP 66 for the optical part and the driver
Material: anodised aluminium profiles
Colour: inox / gray
Optical system: PMMA optics, interchangeable LED module
Number of LEDs: 3 x 12 (for 24 W), 3 x 24 (for 48 W)
Expected useful lifetime: L90F10 – 50 000 h, L80F20 – 100 000 h
CRI: for 4000 K, 5000 K > 70, for 3500 K > 80
Unit volume: 2,58 m³
Input voltage frequency: 50/60 Hz
Power factor: ≥ 0.95
 Lighting set STICK III LED has the possibility to connect to an external control system via DALI interface (optionally via analog signal 1- 10V).



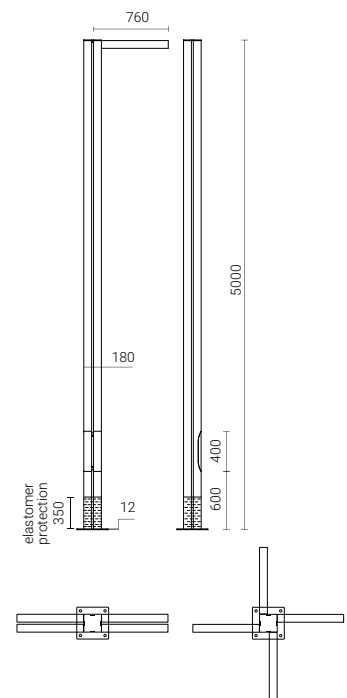
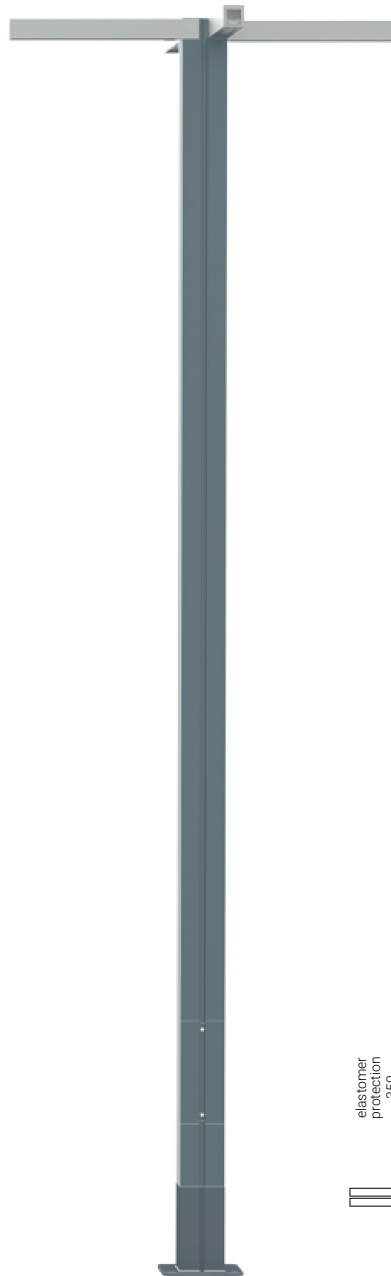
Code	Name	Height H	LED power	Luminaire power consumption	LED forward current	Colour temperature (CCT)	LEDs luminous flux	Luminaire luminous flux	Luminous efficacy	Total net weight	Concrete footing / reinforcement basket
217430/3/...	STICK III LED 3x24	5 m	3 x 24 W	3 x 31 W	700 mA	3500 K	3 x 3500 lm	3 x 2650 lm	86 lm/W	65 kg	B-60 / Z-60
217430/4/...	STICK III LED 3x24	5 m	3 x 24 W	3 x 31 W	700 mA	4000 K	3 x 3900 lm	3 x 2750 lm	89 lm/W	65 kg	B-60 / Z-60
217430/6/...	STICK III LED 3x24	5 m	3 x 24 W	3 x 31 W	700 mA	5000 K	3 x 4100 lm	3 x 2900 lm	94 lm/W	65 kg	B-60 / Z-60
217433/3/...	STICK III LED 3x48	5 m	3 x 48 W	3 x 55 W	700 mA	3500 K	3 x 7000 lm	3 x 5250 lm	95 lm/W	65 kg	B-60 / Z-60
217433/4/...	STICK III LED 3x48	5 m	3 x 48 W	3 x 55 W	700 mA	4000 K	3 x 7300 lm	3 x 5400 lm	98 lm/W	65 kg	B-60 / Z-60
217433/6/...	STICK III LED 3x48	5 m	3 x 48 W	3 x 55 W	700 mA	5000 K	3 x 8150 lm	3 x 5700 lm	104 lm/W	65 kg	B-60 / Z-60

/... Symbol of selected optical system

Lighting sets LED

STICK IV LED

Saudi Arabia



Application: residential streets, office buildings surrounding, parks, pedestrian walkways

Ingress protection: IP 66 for the optical part and the driver

Material: anodised aluminium profiles

Colour: inox / gray

Optical system: PMMA optics, interchangeable LED module

Number of LEDs: 4 x 12 (for 24 W), 4 x 24 (for 48 W)

Expected useful lifetime: L90F10 – 50 000 h, L80F20 – 100 000 h

CRI: for 4000 K, 5000 K > 70, for 3500 K > 80,

Unit volume: 3,3 m³

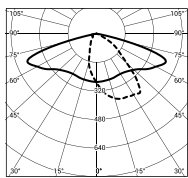
Input voltage frequency: 50/60 Hz

Power factor: ≥ 0.95

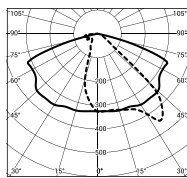
Lighting set STICK IV LED has the possibility to connect to an external control system via DALI interface (optionally via analog signal 1-10V).



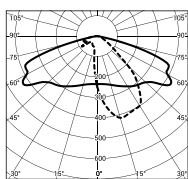
DW



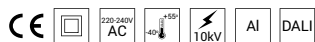
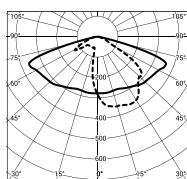
ME



T2



T3



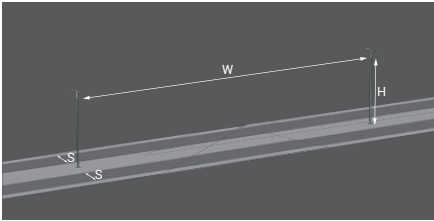
Code	Name	Height H	LED power	Luminaire power consumption	LED forward current	Colour temperature (CCT)	LEDs luminous flux	Luminaire luminous flux	Luminous efficacy	Total net weight	Concrete footing / reinforcement basket
217630/3/...	STICK IV LED 4x24	5 m	4 x 24 W	4 x 31 W	700 mA	3500 K	4 x 3500 lm	4 x 2650 lm	86 lm/W	68 kg	B-60 / Z-60
217630/4/...	STICK IV LED 4x24	5 m	4 x 24 W	4 x 31 W	700 mA	4000 K	4 x 3900 lm	4 x 2750 lm	89 lm/W	68 kg	B-60 / Z-60
217630/6/...	STICK IV LED 4x24	5 m	4 x 24 W	4 x 31 W	700 mA	5000 K	4 x 4100 lm	4 x 2900 lm	94 lm/W	68 kg	B-60 / Z-60
217633/3/...	STICK IV LED 4x48	5 m	4 x 48 W	4 x 55 W	700 mA	3500 K	4 x 7000 lm	4 x 5250 lm	95 lm/W	68 kg	B-60 / Z-60
217633/4/...	STICK IV LED 4x48	5 m	4 x 48 W	4 x 55 W	700 mA	4000 K	4 x 7300 lm	4 x 5400 lm	98 lm/W	68 kg	B-60 / Z-60
217633/6/...	STICK IV LED 4x48	5 m	4 x 48 W	4 x 55 W	700 mA	5000 K	4 x 8150 lm	4 x 5700 lm	104 lm/W	68 kg	B-60 / Z-60
217730/3/...	STICK IV LED 90° 4x24	5 m	4 x 24 W	4 x 31 W	700 mA	3500 K	4 x 3500 lm	4 x 2650 lm	86 lm/W	68 kg	B-60 / Z-60
217730/4/...	STICK IV LED 90° 4x24	5 m	4 x 24 W	4 x 31 W	700 mA	4000 K	4 x 3900 lm	4 x 2750 lm	89 lm/W	68 kg	B-60 / Z-60
217730/6/...	STICK IV LED 90° 4x24	5 m	4 x 24 W	4 x 31 W	700 mA	5000 K	4 x 4100 lm	4 x 2900 lm	94 lm/W	68 kg	B-60 / Z-60
217733/3/...	STICK IV LED 90° 4x48	5 m	4 x 48 W	4 x 55 W	700 mA	3500 K	4 x 7000 lm	4 x 5250 lm	95 lm/W	68 kg	B-60 / Z-60
217733/4/...	STICK IV LED 90° 4x48	5 m	4 x 48 W	4 x 55 W	700 mA	4000 K	4 x 7300 lm	4 x 5400 lm	98 lm/W	68 kg	B-60 / Z-60
217733/6/...	STICK IV LED 90° 4x48	5 m	4 x 48 W	4 x 55 W	700 mA	5000 K	4 x 8150 lm	4 x 5700 lm	104 lm/W	68 kg	B-60 / Z-60

/... Symbol of selected optical system

Lighting sets LED

GULLWING LED

Lighting example



Urban road

GULLWING LED 2 x 72W, T3 optics

Parameters:

H – lighting sets height: 8 m

W – pole spacing: 35 m

S – road width: 7 m (green belt 2,5 m)

Lighting class M3

Goczałkowice Zdrój, Poland

