



**Application:** residential roads (internal), surrounding office buildings, parks, pedestrians, parkings

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

**Material:** anodised aluminium alloy

**Colour:** inox / grey

**Optical system:** PMMA optics, interchangeable LED module

**Operating temperature range:** from -40°C to +55°C

**Number of LEDs:** 12 for 24W, 36W; 24 for 48W, 72W

**Operating temperature range:** from -40°C to +55°C

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

**CRI:** >70 for 5000K, 4000K; >80 for 3500K, 2700K

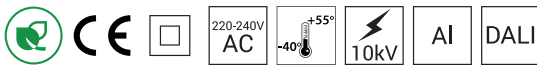
**Input voltage frequency:** 50 - 60Hz

**Power factor:**  $\geq 0.95$

**Inrush current:** : 21A / 225 $\mu$ s for 24W, 36W; 46A / 250 $\mu$ s for 48W, 72W

**Concrete footing / reinforcement basket type:** B-50 / Z-50 for CUT-3, 4, 5 LED; B-71, B-70 / Z-71, Z-70 for CUT-6, 7, 8 LED

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

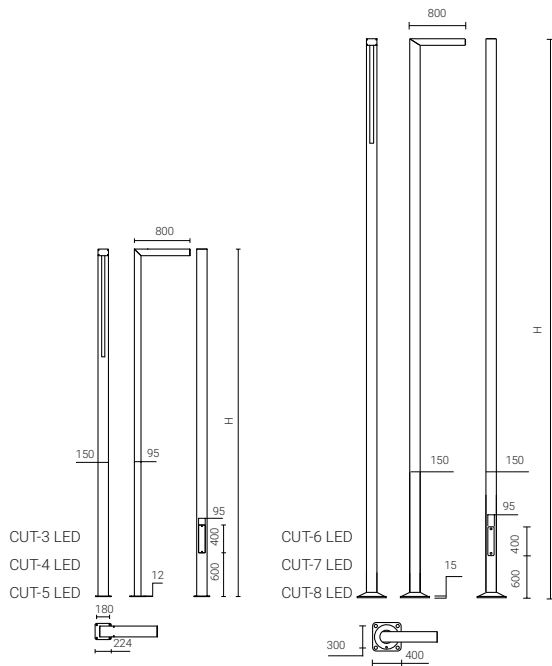


Code	Symbol	Height [H]	LED power	Luminaire Power consumption	LED forward current	Colour temperature (CCT)	LEDs luminous flux 2)	Luminaire luminous flux 2)	Luminous efficacy	Unit volume	Net weight
<b>216230/1/...</b> <sup>1)</sup>	CUT-3 LED 24	3m	24W	28W	700mA	2700K	3 600lm	2750lm	99lm/W	0,4m <sup>3</sup>	31kg
<b>216230/3/...</b> <sup>1)</sup>	CUT-3 LED 24	3m	24W	28W	700mA	3500K	3 700lm	2850lm	102lm/W	0,4m <sup>3</sup>	31kg
<b>216230/4/...</b> <sup>1)</sup>	CUT-3 LED 24	3m	24W	28W	700mA	4000K	4 200lm	3200lm	115lm/W	0,4m <sup>3</sup>	31kg
<b>216230/6/...</b> <sup>1)</sup>	CUT-3 LED 24	3m	24W	28W	700mA	5000K	4 250lm	3250lm	117lm/W	0,4m <sup>3</sup>	31kg
<b>216232/1/...</b> <sup>1)</sup>	CUT-3 LED 36	3m	36W	40W	1000mA	2700K	4 900lm	3750lm	94lm/W	0,4m <sup>3</sup>	31kg
<b>216232/3/...</b> <sup>1)</sup>	CUT-3 LED 36	3m	36W	40W	1000mA	3500K	5 100lm	3950lm	99lm/W	0,4m <sup>3</sup>	31kg
<b>216232/4/...</b> <sup>1)</sup>	CUT-3 LED 36	3m	36W	40W	1000mA	4000K	5 800lm	4500lm	113lm/W	0,4m <sup>3</sup>	31kg
<b>216232/6/...</b> <sup>1)</sup>	CUT-3 LED 36	3m	36W	40W	1000mA	5000K	5 900lm	4600lm	115lm/W	0,4m <sup>3</sup>	31kg
<b>216330/1/...</b> <sup>1)</sup>	CUT-4 LED 24	4m	24W	28W	700mA	2700K	3 600lm	2750lm	99lm/W	0,5m <sup>3</sup>	37,5kg
<b>216330/3/...</b> <sup>1)</sup>	CUT-4 LED 24	4m	24W	28W	700mA	3500K	3 700lm	2850lm	102lm/W	0,5m <sup>3</sup>	37,5kg
<b>216330/4/...</b> <sup>1)</sup>	CUT-4 LED 24	4m	24W	28W	700mA	4000K	4 200lm	3200lm	115lm/W	0,5m <sup>3</sup>	37,5kg
<b>216330/6/...</b> <sup>1)</sup>	CUT-4 LED 24	4m	24W	28W	700mA	5000K	4 250lm	3250lm	117lm/W	0,5m <sup>3</sup>	37,5kg
<b>216332/1/...</b> <sup>1)</sup>	CUT-4 LED 36	4m	36W	40W	1000mA	2700K	4 900lm	3750lm	94lm/W	0,5m <sup>3</sup>	37,5kg
<b>216332/3/...</b> <sup>1)</sup>	CUT-4 LED 36	4m	36W	40W	1000mA	3500K	5 100lm	3950lm	99lm/W	0,5m <sup>3</sup>	37,5kg
<b>216332/4/...</b> <sup>1)</sup>	CUT-4 LED 36	4m	36W	40W	1000mA	4000K	5 800lm	4500lm	113lm/W	0,5m <sup>3</sup>	37,5kg
<b>216332/6/...</b> <sup>1)</sup>	CUT-4 LED 36	4m	36W	40W	1000mA	5000K	5 900lm	4600lm	115lm/W	0,5m <sup>3</sup>	37,5kg
<b>216333/1/...</b> <sup>1)</sup>	CUT-4 LED 48	4m	48W	55W	700mA	2700K	7 050lm	5350lm	98lm/W	0,5m <sup>3</sup>	37,5kg
<b>216333/3/...</b> <sup>1)</sup>	CUT-4 LED 48	4m	48W	55W	700mA	3500K	7 350lm	5650lm	103lm/W	0,5m <sup>3</sup>	37,5kg
<b>216333/4/...</b> <sup>1)</sup>	CUT-4 LED 48	4m	48W	55W	700mA	4000K	8 400lm	6350lm	116lm/W	0,5m <sup>3</sup>	37,5kg
<b>216333/6/...</b> <sup>1)</sup>	CUT-4 LED 48	4m	48W	55W	700mA	5000K	8 450lm	6410lm	117lm/W	0,5m <sup>3</sup>	37,5kg

Code	Symbol	Height [H]	LED power	Luminaire Power consumption	LED forward current	Colour temperature (CCT)	LEDs luminous flux	Luminaire luminous flux	Luminous efficacy	Unit volume	Net weight
216030/1/... <sup>1)</sup>	CUT-5 LED 24	5m	24W	28W	700mA	2700K	3 600lm	2750lm	99lm/W	0,6m <sup>3</sup>	42,5kg
216030/3/... <sup>1)</sup>	CUT-5 LED 24	5m	24W	28W	700mA	3500K	3 700lm	2850lm	102lm/W	0,6m <sup>3</sup>	42,5kg
216030/4/... <sup>1)</sup>	CUT-5 LED 24	5m	24W	28W	700mA	4000K	4 200lm	3200lm	115lm/W	0,6m <sup>3</sup>	42,5kg
216030/6/... <sup>1)</sup>	CUT-5 LED 24	5m	24W	28W	700mA	5000K	4 250lm	3250lm	117lm/W	0,6m <sup>3</sup>	42,5kg
216032/1/... <sup>1)</sup>	CUT-5 LED 36	5m	36W	40W	1000mA	2700K	4 900lm	3750lm	94lm/W	0,6m <sup>3</sup>	42,5kg
216032/3/... <sup>1)</sup>	CUT-5 LED 36	5m	36W	40W	1000mA	3500K	5 100lm	3950lm	99lm/W	0,6m <sup>3</sup>	42,5kg
216032/4/... <sup>1)</sup>	CUT-5 LED 36	5m	36W	40W	1000mA	4000K	5 800lm	4500lm	113lm/W	0,6m <sup>3</sup>	42,5kg
216032/6/... <sup>1)</sup>	CUT-5 LED 36	5m	36W	40W	1000mA	5000K	5 900lm	4600lm	115lm/W	0,6m <sup>3</sup>	42,5kg
216033/1/... <sup>1)</sup>	CUT-5 LED 48	5m	48W	55W	700mA	2700K	7 050lm	5350lm	98lm/W	0,6m <sup>3</sup>	42,5kg
216033/3/... <sup>1)</sup>	CUT-5 LED 48	5m	48W	55W	700mA	3500K	7 350lm	5650lm	103lm/W	0,6m <sup>3</sup>	42,5kg
216033/4/... <sup>1)</sup>	CUT-5 LED 48	5m	48W	55W	700mA	4000K	8 400lm	6350lm	116lm/W	0,6m <sup>3</sup>	42,5kg
216033/6/... <sup>1)</sup>	CUT-5 LED 48	5m	48W	55W	700mA	5000K	8 450lm	6410lm	117lm/W	0,6m <sup>3</sup>	42,5kg
216633/1/... <sup>1)</sup>	CUT-6 LED 48	6m	48W	55W	700mA	2700K	7 050lm	5350lm	98lm/W	1,2m <sup>3</sup>	62,5kg
216633/3/... <sup>1)</sup>	CUT-6 LED 48	6m	48W	55W	700mA	3500K	7 350lm	5650lm	103lm/W	1,2m <sup>3</sup>	62,5kg
216633/4/... <sup>1)</sup>	CUT-6 LED 48	6m	48W	55W	700mA	4000K	8 400lm	6350lm	116lm/W	1,2m <sup>3</sup>	62,5kg
216633/6/... <sup>1)</sup>	CUT-6 LED 48	6m	48W	55W	700mA	5000K	8 450lm	6410lm	117lm/W	1,2m <sup>3</sup>	62,5kg
216635/1/... <sup>1)</sup>	CUT-6 LED 72	6m	72W	79W	1000mA	2700K	9 450lm	7200lm	92lm/W	1,2m <sup>3</sup>	62,5kg
216635/3/... <sup>1)</sup>	CUT-6 LED 72	6m	72W	79W	1000mA	3500K	9 900lm	7600lm	97lm/W	1,2m <sup>3</sup>	62,5kg
216635/4/... <sup>1)</sup>	CUT-6 LED 72	6m	72W	79W	1000mA	4000K	11 250lm	8550lm	109lm/W	1,2m <sup>3</sup>	62,5kg
216635/6/... <sup>1)</sup>	CUT-6 LED 72	6m	72W	79W	1000mA	5000K	11 450lm	8700lm	111lm/W	1,2m <sup>3</sup>	62,5kg
216733/1/... <sup>1)</sup>	CUT-7 LED 48	7m	48W	55W	700mA	2700K	7 050lm	5350lm	98lm/W	1,4m <sup>3</sup>	69,5kg
216733/3/... <sup>1)</sup>	CUT-7 LED 48	7m	48W	55W	700mA	3500K	7 350lm	5650lm	103lm/W	1,4m <sup>3</sup>	69,5kg
216733/4/... <sup>1)</sup>	CUT-7 LED 48	7m	48W	55W	700mA	4000K	8 400lm	6350lm	116lm/W	1,4m <sup>3</sup>	69,5kg
216733/6/... <sup>1)</sup>	CUT-7 LED 48	7m	48W	55W	700mA	5000K	8 450lm	6410lm	117lm/W	1,4m <sup>3</sup>	69,5kg
216735/1/... <sup>1)</sup>	CUT-7 LED 72	7m	72W	79W	1000mA	2700K	9 450lm	7200lm	92lm/W	1,4m <sup>3</sup>	69,5kg
216735/3/... <sup>1)</sup>	CUT-7 LED 72	7m	72W	79W	1000mA	3500K	9 900lm	7600lm	97lm/W	1,4m <sup>3</sup>	69,5kg
216735/4/... <sup>1)</sup>	CUT-7 LED 72	7m	72W	79W	1000mA	4000K	11 250lm	8550lm	109lm/W	1,4m <sup>3</sup>	69,5kg
216735/6/... <sup>1)</sup>	CUT-7 LED 72	7m	72W	79W	1000mA	5000K	11 450lm	8700lm	111lm/W	1,4m <sup>3</sup>	69,5kg
216433/1/... <sup>1)</sup>	CUT-8 LED 48	8m	48W	55W	700mA	2700K	7 050lm	5350lm	98lm/W	1,6m <sup>3</sup>	76kg
216433/3/... <sup>1)</sup>	CUT-8 LED 48	8m	48W	55W	700mA	3500K	7 350lm	5650lm	103lm/W	1,6m <sup>3</sup>	76kg
216433/4/... <sup>1)</sup>	CUT-8 LED 48	8m	48W	55W	700mA	4000K	8 400lm	6350lm	116lm/W	1,6m <sup>3</sup>	76kg
216433/6/... <sup>1)</sup>	CUT-8 LED 48	8m	48W	55W	700mA	5000K	8 450lm	6410lm	117lm/W	1,6m <sup>3</sup>	76kg
216435/1/... <sup>1)</sup>	CUT-8 LED 72	8m	72W	79W	1000mA	2700K	9 450lm	7200lm	92lm/W	1,6m <sup>3</sup>	76kg
216435/3/... <sup>1)</sup>	CUT-8 LED 72	8m	72W	79W	1000mA	3500K	9 900lm	7600lm	97lm/W	1,6m <sup>3</sup>	76kg
216435/4/... <sup>1)</sup>	CUT-8 LED 72	8m	72W	79W	1000mA	4000K	11 250lm	8550lm	109lm/W	1,6m <sup>3</sup>	76kg
216435/6/... <sup>1)</sup>	CUT-8 LED 72	8m	72W	79W	1000mA	5000K	11 450lm	8700lm	111lm/W	1,6m <sup>3</sup>	76kg

1) Symbol of chosen optical system eg. 216230/6/T2 is CUT-3 LED 24 5000K with T2 optical system

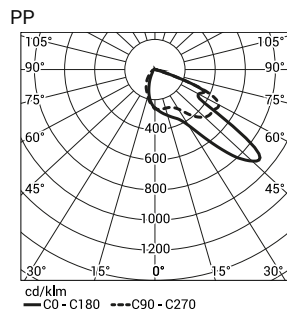
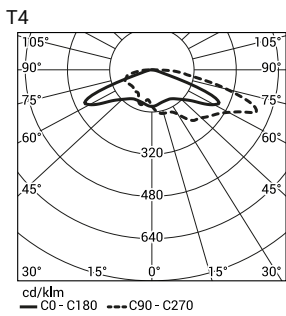
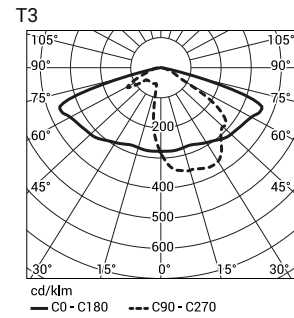
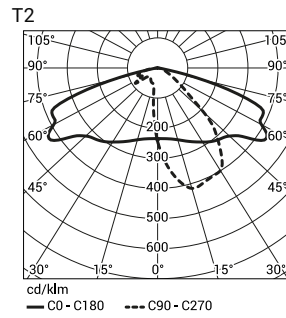
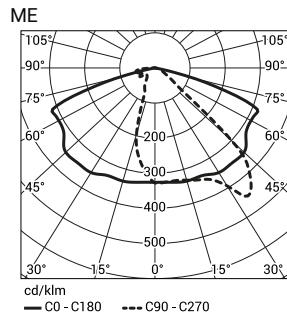
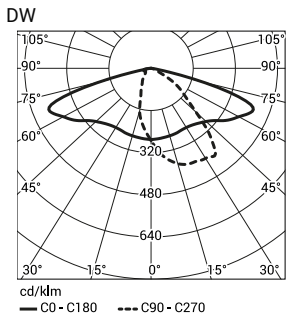
2) tolerance +/- 3% due to LEDs accuracy



**Directive:** 2014/35/UE (Official Journal of the UE L 96/357 29.03.2014), 2014/30/UE (Official Journal of the UE L 96/79 29.03.2014), 2011/65/UE, 2009/125/EC

Product can be anodized in 10 colours, with gloss option

**Finish:** option of elastomer protection in the colour of LED lighting sets up to the height of 350 mm (as standard for C163, C165, C175, C178 interference colors)



**Luminaire CUT LED in standard has following functions of intelligent power supply:**

- Connection to outside control system by DALI interface (operation of analog signal 1-10V as an option),
- Possibility of programming multistage dimming of luminaire, up to 5 intervals in the range of from 10 to 100% of nominal power,
- Temperature protection of LED module (from overheating) in case of unintentional luminaire operation during the,
- Regulation of power / luminous flux – the option of setting another value than the catalogue in the range of 30-100% of nominal one,

**Accetable quantity of luminaires CUT LED on one circuit, protected by:**

**Overcurrent switches MCB type B or C**

Luminaire	Typ	2A	4A	6A	10A	16A	20A	25A
CUT LED 24, 36W	B	2	5	10	16	26	32	40
	C	2	10	15	27	44	54	67
CUT LED 48, 72W	B	1	2	4	6	11	13	17
	C	1	4	6	11	18	22	28

**Fuse – type gG and GL**

Luminaire	2A	4A	6A	10A	16A	20A	25A
CUT LED 24, 36W	4	9	14	25	39	50	62
CUT LED 48, 72W	1	2	11	19	30	38	47