

**KIT RETROFIT LED
MAIN SPECIFICATIONS**

Applications	Urban and street lighting
Colour temperature	2: Warm White 3,000K; 8: Neutral White 4,000K, CRI ≥ 70 Upon request: 5: Warm White 2,700K, 9: Extra Warm White 2,200K
CRI and colour difference (SDCM)	Color difference among several devices: Max. 3 steps MacAdam
Photobiological compliance	Exempt Group
Insulation class	Class II, class I upon request
Protection rating	IK08, IP66
Cabling	-
Dimensions	208x188x92 mm
Weight	2.2 Kg

ELECTRICAL SPECIFICATIONS

Rated voltage	230 V 50/60 Hz
Power factor	≥ 0.90
Control technology	1-10V, Automatic dimming system with DALI-2
Overvoltage protection	10kV differential mode, 10kV common mode
Operative temperature	-30°C to 35°C
Life expectancy (T_a -20°C to 35°C)	L90 B10 > 100,000 hr

MATERIALS

Mounting	-
Heatsink	Die-cast aluminum
Frame	Painted sheet metal for outdoor usage
Optics	PMMA multi-layer lens
Screen	Clear tempered glass, 4 mm thickness (C) . Satin glass upon request (S) .

INPUT POWER AND FLUX OPTIC R | V25 *
(T_{amb}=25°C)

XX	4000K			3000K		
	Power (W)	Flux (lm)	Efficiency	Power (W)	Flux (lm)	Efficiency
KN 1	17.9	2937	164	18.0	2798	155
KN 2	24.1	3899	162	24.2	3715	154
KN 3	31.8	5040	158	32.0	4802	150
KN 4	37.5	5817	155	37.6	5542	147
KN 5	45.4	6849	151	45.6	6525	143
KN 6	49.4	7309	148	49.6	6964	140

INPUT POWER AND FLUX OPTIC B | V08 *
(T_{amb}=25°C)

XX	4000K			3000K		
	Power (W)	Flux (lm)	Efficiency	Power (W)	Flux (lm)	Efficiency
KN 1	17.9	2933	164	18.0	2802	156
KN 2	24.1	3894	162	24.2	3721	154
KN 3	31.8	5034	158	32.0	4809	150
KN 4	37.5	5810	155	37.6	5550	148
KN 5	45.4	6840	151	45.6	6535	143
KN 6	49.4	7300	148	49.6	6974	141

INPUT POWER AND FLUX OPTIC F | V10 *
(T_{amb}=25°C)

XX	4000K			3000K		
	Power (W)	Flux (lm)	Efficiency	Power (W)	Flux (lm)	Efficiency
KN 1	17.9	2967	166	18.0	2825	157
KN 2	24.1	3940	163	24.2	3751	155
KN 3	31.8	5093	160	32.0	4848	152
KN 4	37.5	5878	157	37.6	5596	149
KN 5	45.4	6921	152	45.6	6588	144
KN 6	49.4	7386	150	49.6	7031	142

INPUT POWER AND FLUX OPTIC C | V03 *
(T_{amb}=25°C)

XX	4000K			3000K		
	Power (W)	Flux (lm)	Efficiency	Power (W)	Flux (lm)	Efficiency
KN 1	17.9	3024	169	18.0	2882	160
KN 2	24.1	4015	167	24.2	3827	158
KN 3	31.8	5190	163	32.0	4947	155
KN 4	37.5	5990	160	37.6	5710	152
KN 5	45.4	7052	155	45.6	6722	147
KN 6	49.4	7526	152	49.6	7174	145

* Flux tolerance 5%. Other Power and Flux on request.

INPUT POWER AND FLUX OPTIC D | V20 *
(T_{amb} = 25°C)

XX	4000K			3000K		
	Power (W)	Flux (lm)	Efficiency	Power (W)	Flux (lm)	Efficiency
KN 1	17.9	2926	163	18.0	2798	155
KN 2	24.1	3885	161	24.2	3716	154
KN 3	31.8	5022	158	32.0	4803	150
KN 4	37.5	5796	155	37.6	5543	147
KN 5	45.4	6824	150	45.6	6526	143
KN 6	49.4	7283	147	49.6	6965	140

CODING

	Optic type	LED colour	Model type *	Class (Input Range)	Glass	Dimming	Surge Suppressor	Plate Type
KN	R	8	X	2	C	N	A	XXX
	R V25 Regular	8 Neutral White 4,000 K	1 17.9 W	2 Class II	C Clear	N No Dimming	A Standard	
	B V08 Wide 2	2 Warm White 3,000 K	2 24.1 W	1 Class I	S Satin	M Virtual Midnight**		
	F V10 Front Back	3 31.8 W	3 31.8 W			Z Virtual Midnight** + CLO		
	C V03 Roto symmetric	<i>Versions available upon request</i>	4 37.5 W					
	D V20 Extra Wide	5 Warm White 2,700 K	5 45.4 W					
		9 Extra Warm White 2,200 K	6 49.4 W					

** Standard: -2h 70% - Customized upon request.

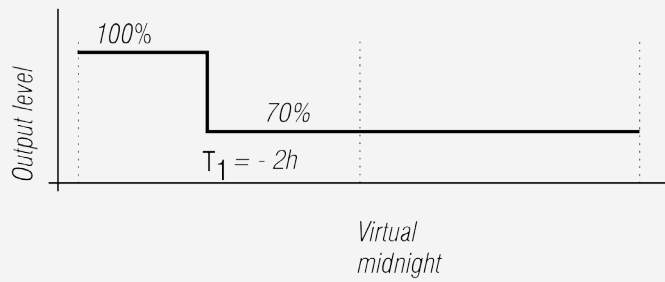
* Flux tolerance 5%. Other Power and Flux on request.

OPTICS

Extrawide V20 D	Rotosymmetrical V03 C	Front Back V10 F
<p>Asymmetrical optics - Wide beam L / H = 1,3 ÷ 1,6</p>	<p>Symmetrical optics - Wide beam L / H = 1,3 ÷ 1,6</p>	<p>Asymmetrical optics - Wide beam L / H = 1,3 ÷ 1,6</p>
Wide 2 V08 B	Regular V25 R	
<p>Street asymmetrical optics - Wide beam L / H = 1,1 ÷ 1,3</p>	<p>Street asymmetrical optics - Medium beam L / H = 0,9 ÷ 1,1</p>	

DIMMING

STANDARD VIRTUAL MIDNIGHT



To request a different profile contact our sales department.

STANDARD CLO FUNCTION

