EXPERIENCE THE
THE POWER OF LIGHT

KFK

RESIDENTIAL AREAS

CAR PARKING SITES

BACK PATHS

For 50 years, the KFK conical luminaire has been a striking feature in residential areas. The classical design has demonstrated its reliability for many decades. And, although the appearance has stayed the same, the technology in the luminaire has changed radically. The KFK is equipped with the latest LED technology and electronic drivers. Available Zhaga-ready as an option – ready for smart applications and future-focused additions.

STANDARD

CE

RoHS

IP66

IK10

EASY LIGHT

OPTON

DALI

BENEFITS

- Proven reliability
- Light in weight
- High impact resistance
- Simple to equip with the latest LED technologies through a Unicliq unit
- Long lifespan and light intensity retention
- Mounting, installation and maintenance friendly

SMART LIGHTING

Can be connected to any Zhaga-D4i system through the universal Zhaga book-18 connector

Want to speak to a specialist?
Click on / scan the QR code!

GENERAL INFORMATION		
Recommended installation height	What is the recommended installation height?	**Up to 4 metres**
Pole diameter	What is the pole diameter?	**60 mm** **76 mm**
CE Marking	Does the product comply with the legal requirements for safety, health and the environment (CE marking)?	**Yes**
ENEC certified	Does the product comply with European ENEC safety standards?	**Yes**
RoHS certified	Does the product comply with the requirements as stated in the RoHS guidelines? RoHS stands for Restriction of Hazardous Substances	**Yes**

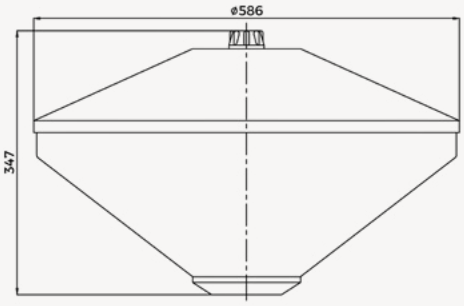
HOUSING AND FINISH		
Housing material	From what material is the luminaire's housing made?	**Top cover UV stabilised polycarbonate**
Light cover	From what material is the light cover made?	**UV stabilised polycarbonate, ice-crystal motif**
Colours	In which RAL colours is the product available?	**RAL 9005 (Black)** **RAL 7032 (Grey)**
Dust and humidity tightness	Classification of resistance to dust and humidity?	**IP65**
Impact resistant	What is the impact resistance of the luminaire?	**Housing: IK10 (20 Joules)**
Connection cable	Which cable is supplied as standard?	**H05 BQF 3x1 mm²**

OPERATING CONDITIONS		
Operating temperature range	What is the operating temperature range?	**- 40 ˚C tot + 35 ˚C** **Protected from high temperatures**
Lifespan luminaire	What is the specified number of burning hours?	**100,000 hours at 25 ˚C** **25 years at 4,000 burning hours per year**
Light intensity retention LED module	After the number of burning hours, L(x) indicates the percentage of light retention and B(x) the percentage number of LEDs that have deteriorated by more than the specified percentage.	**L96/B10**
Failure classification luminaire	What is the maximum failure rate for the specified lifespan?	**F10**

ELECTRICAL INFORMATION		
Insulation class	With which electrical safety class does the luminaire comply?	**I** **II (option)**
Rated voltage	What is the rated voltage in volts?	**230V AC**
Inrush current	How many luminaires can be run on an MCB 16A B-type fuse?	**Not dimmable 48 max.** **D4i 48 max.**
Surge	To what level is the luminaire protected from surge as standard?	**10kV**
Active surge protection	What is the optional protection for surge?	**15kV/7.5kA (Phase-Zero)** **10kV/5kA (F/N-Earth)**
Zhaga	Is the luminaire suitable for smart applications employing Zhaga?	**Yes (option)** **Through the Zhaga Book** **18-connector in the upper cover**
Control protocols	With which control protocol is the luminaire compatible?	**Zhaga-D4i (expansion of DALI-2)**

OPTICAL INFORMATION		
Lumen range (LED board)	Various LED boards and with lumen range? Lumen in area dependent on optics. Power and lumen per colour/CRI in annex)	**800 / 3,000 Lumen** **(LED2WELL Core 16)** **2,000 - 3,000 Lumen** **(LED2WELL Core 32)**
LED colour temperature	With which colour temperatures is the luminaire available?	**Amber** **2,700K (extra warm white) 3,000K (warm white)** **4,000K (cool white)**
Colour rendering index (CRI)	To what extent does the light source faithfully reproduce the colours of the objects (scale 0-100)?	**70** **80 (excepting amber)**
Upper Light Output Ratio (ULOR)	Which percentage of the light distribution from the luminaire shines upwards (above the horizontal line of the luminaire)?	**<5 depending on the model**
LED module	With which light technology is the luminaire available?	**LED2WELL Core**
Optics	Which light bundles are possible? (Polar diagram in annex)	**CODE 6 Circular beam** **CODE 7 Asymmetric** **CODE 8 Symmetric** **CODE 10 Asymmetric (wide profile)** **CODE 14 Asymmetric narrow beam (little backlight)** **CODE 15 Symmetric narrow beam (back passages)**

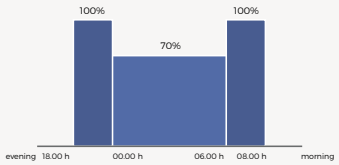
DIMENSIONS IN MM



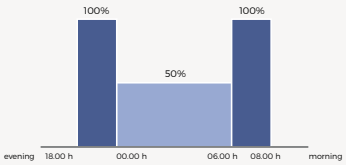
DIMENSIONS AND MOUNTING	
Height x Diameter	347 x 586 mm
Weight in kg (basic model)	6-8 kg (depending on the model)
Mounting	Pole top mounted: 60 mm (76 mm optional) Wall bracket mounted: 60 mm (76 mm optional)

EASY LIGHT

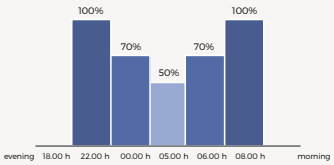
In addition to using LED, even more energy can be saved, or light pollution avoided employing KFK luminaires supplied with a factory-set dimming schedule (1A, 2A, 3A, 4A or 5A). Once the night rhythm has been established, the KFK luminaire will autonomously dim at set times and return to 100% in the morning.



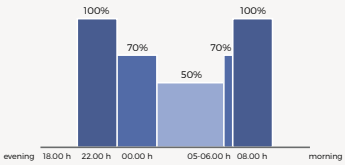
1A - 15% ENERGY SAVING



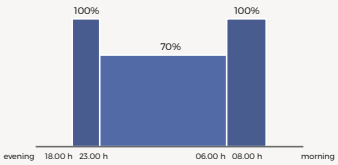
2A - 23% ENERGY SAVING



3A - 28% ENERGY SAVING



4A - 34% ENERGY SAVING
Most energy-saving dimming schedule



5A - 20% ENERGY SAVING

Disclaimer: whether the percentages for the dimming schedules are actually achieved is partly dependent on the chosen configuration for the luminaire

CONSTANT LIGHT OUTPUT (CLO)

All KFK luminaires support the CLO facility, in other words the typical light degradation of about 10% over the lifespan can be continually compensated over the lifespan through gradually increasing the power to ensure the light intensity remains at L100.

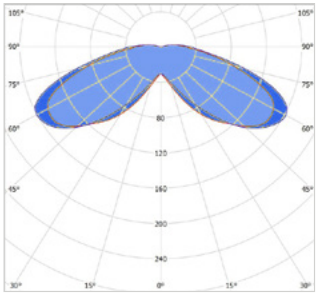
SLIMME VERLICHTING

KFK luminaires can be equipped as an option with a Zhaga Book 18-connector, facilitating the simple connection of a communication module (node). Thanks to support from Zhaga-D4i, the luminaire can be automatically recognised by any compatible light management system, including data like type, power and status information. This ensures that the luminaires are ready for the latest applications in the field of smart and connected lighting.

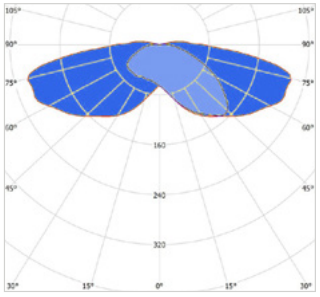
LED2WELL CORE Our **energy-saving lighting solution**

			CRI 70 (Option: CRI 80)			
Number of LEDs	**Lumen**	OPTION **AMBER** System power (W)	OPTION **2200K** System power (W)	OPTION **2700K** System power (W)	STANDARD **3000K** System power (W)	STANDARD **4000K** System power (W)
16	800	8.9	7.4	6.7	6.2	5.9
	1050	-	9.3	8.4	7.9	7.4
	1200	12.4	10.5	9.6	8.6	8.2
	1350	-	11.5	10.5	9.6	9.1
	1500	-	12.6	11.5	10.5	9.8
	1600	16.3	13.6	12.2	11.2	10.5
	1800	-	15.0	13.6	12.4	11.7
	2000	-	16.7	15.3	13.6	12.6
	2150	-	17.9	16.2	14.5	13.6
	2300	-	19.3	17.4	15.7	14.5
	2500	-	21.2	18.9	16.9	15.7
	2750	-	23.5	21.0	18.9	17.4
	3000	-	25.8	23.0	20.6	18.9
32	2000	19.6	-	-	-	-
	2300	22.4	-	-	-	-
	2500	23.4	-	-	-	-
	3000	28.6	-	-	-	-

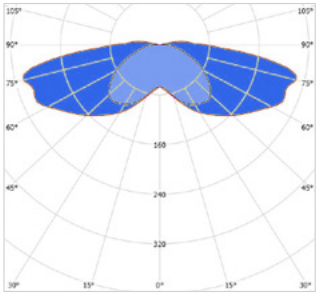
LED2WELL CORE



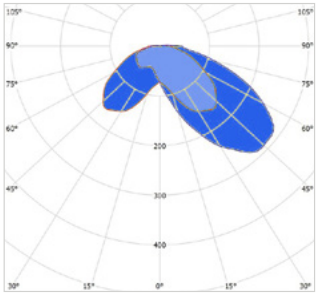
CODE 6



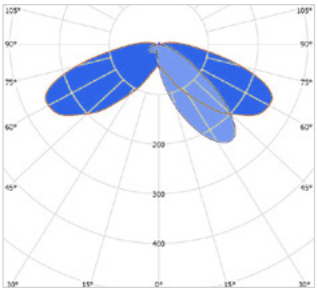
CODE 7



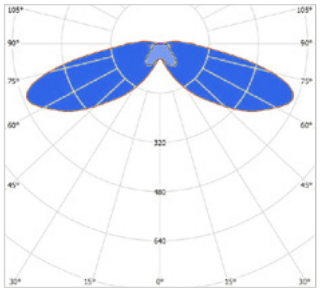
CODE 8



CODE 10



CODE 14



CODE 15

LED - CODE 7 - 4000K - 2300 LM - 14.5W - (15.7 W AT 3000K)

Egem / Uh	Profile	Pole height	Pole distance
3.0 lux / 0.3	8 metres wide	4 metres	30 metres