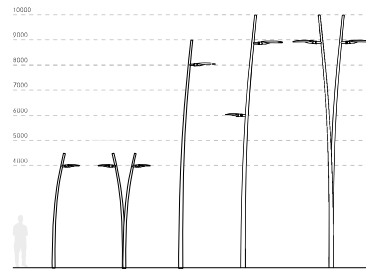


Kai

Fivep





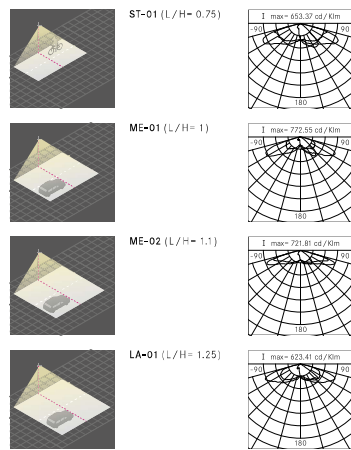
220-240V 50/60Hz	Tensione di alimentazione <i>Nominal voltage</i> Nennspannung
CL II	Classe di isolamento elettrico <i>Electrical insulation class</i> Elektrische Isolierklasse
IP66	Grado di protezione <i>Insulation protection degree</i> Isolationsschutzgrad
IK08	Protezione contro gli urti <i>Protection against impact</i> Stoßfestigkeit
>0.90	Fattore di potenza <i>Power factor</i> Leistungsfaktor
10kV	Protezioni da sovratensioni di modo comune <i>Common mode overvoltage protection</i> Schutz vor Gleichtakt-Überspannungen
10kV	Protezioni da sovratensioni di modo differenziale <i>Differential mode overvoltage protection</i> Schutz vor Gegentakt-Überspannungen
-30° C +50° C	Temperatura ambiente <i>Ambient temperature</i> Umgebungstemperatur
Sablé100 Noir Grey RAL9006	Colori <i>Colours</i> Farben
Included	Alimentazione elettronica <i>Electronic power supply</i> Elektronische Stromversorgung
HM3 HM4 DALI	illuminazione intelligente <i>Smart Lighting</i> Intelligente Beleuchtung
Main voltage variation CLO 1-10V on request with HM4 Wireless on request PLC on request Pilot line on request Motion detectors / brightness on request	



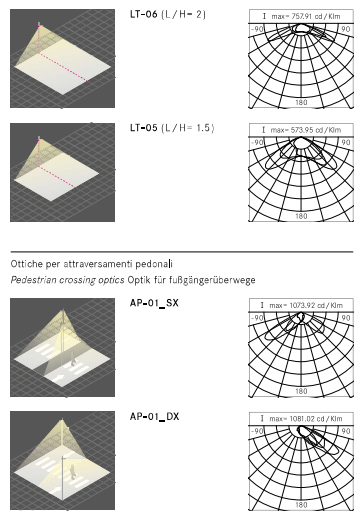
2135-23155lm	Flusso sorgente <i>Source flux</i> Lichtstrom der Lichtquelle
ULOR: 0% DLOR: 100%	Cut-Off <i>Cut-Off</i> Cut-Off
4000K 3000K 2200K	Temperatura colore <i>Colour temperature</i> Farbtemperatur

≥70	Indice di resa cromatica (CRI) <i>Colour rendering index (CRI)</i> Farbwiedergabe-Index (CRI)
> 160.000h @ 700mA @ Ta25°C TM21 L80B20	Durata di vita delle sorgenti <i>Source lifetime</i> Lebensdauer der Quellen
> 160.000h @ 700mA @ Ta25°C TM21 L80B10	

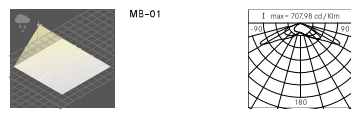
Ottiche asimmetriche stradali
Street asymmetrical optics Optik asymmetrisch straßenleuchte



Ottiche asimmetriche Asymmetrical optics Optik asymmetrisch



Ottiche per manto bagnato
Wet surface optics Optik asymmetrisch straßenleuchte



L = Larghezza strada, Street Width, Straßenbreite
H = Altezza palo, Pole Height, Lichtpunkthöhe

Installazione: palo, braccio, parete
Installation: pole, arm, wall
Installation: Mast, Arm, Wand

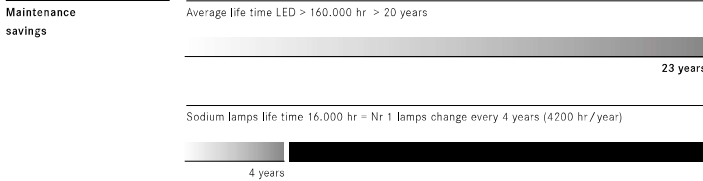
Approfondimento sistemi ottici, Deepening optical systems, Vertiefung optischen Systeme P. 308
Approfondimento sistemi di smart lighting, Deepening smart lighting systems, Vertiefung intelligenten Beleuchtungssysteme P. 310

	Sistema ottico multi-layer <i>Multilayer optical system</i> Optisches System "Multi-layer"		Ottica attraversamenti pedonali <i>Optics for pedestrian crossings</i> Optik für Fußgängerüberwege		Ottica manto bagnato <i>Optics for wet surfaces</i> Optik für nasse Straßenbeläge
	Cut-Off Cut-Off Cut-Off		Luce calda 2200K <i>Warm Light 2200K</i> Warme Licht 2200K		Illuminazione intelligente <i>Smart Lighting</i> Intelligente Beleuchtung
	Maggiore efficienza energetica <i>Greater energy efficiency</i> Höhere Energieeffizienz		Maggiore durata vita delle sorgenti <i>Longer lifetime of sources</i> Längere Lebensdauer von Leuchtmitteln		Ta -20° C - 50° C Ta -20° C - 50° C Ta -20° C - 50° C
	Resistenza agenti chimici/atmosferici <i>Resistance to chemical/atmospheric agents</i> Widerstand chemische/atmosphärische		Resistenza sovratensioni fino a 10kV <i>Overvoltage resistance up to 10kV</i> Überspannungsfestigkeit bis 10kV		CLO (Constant Lumen Output) CLO (Constant Lumen Output) CLO (Constant Lumen Output)
	Prodotto orientabile <i>Orientable product</i> Ausrichtbares Produkt		Dimensioni compatte <i>Dimensions compact</i> Kompakten Abmessungen		Sostituibilità gruppo ottico <i>Optical unit substitutability</i> Ersetzbarkeit der optischen Einheit
	Sostituibilità gruppo alimentazione <i>Power supply unit substitutability</i> Ersetzbarkeit der Versorgungseinheit		Riduzione accumulo sporco <i>Reduction in the buildup of dirt</i> Reduzierter Schmutzansammlung		



Average energy saving	KAI	Lighting fixtures with SODIUM LAMPS
65% Energy Saving	25W LED	70W LAMPS
	29W Total Power	83W Total Power
57% Energy Saving	50W LED	100W LAMPS
	57W Total Power	115W Total Power
57% Energy Saving	75W LED	150W LAMPS
	83W Total Power	176W Total Power
CRI	>70	>25
Life Time	>160.000 hr	16.000 hr

+ additional 20% of energy saving with standard dimming system



Installazione
Apertura del vano alimentazione tool-less. Installazione su pali o bracci con Ø76 mm. Forniti sistemi di riduzione per pali con Ø46-60 mm. Dispositivo di ancoraggio al palo regolabile senza necessità di aprire l'armatura. Inclinazione in configurazione verticale (lato palo): 0° + 20°, con passo 5°; inclinazione in configurazione orizzontale (braccio): 0° - 20°, con passo 5°.

Installation
Tool-less opening of the power supply housing. Mounting on Ø76mm poles or arms. Adapters for Ø46-60mm poles provided. System for anchoring to poles which can be adjusted without opening the casing. Inclinazione in vertical configuration (pole side): 0° + 20°, in 5° steps; inclinazione in horizontal configuration (arm): 0° - 20°, in 5° steps.

Installation
Werkzeuglose Öffnung des Stromversorgungsfaches. Installation an Masten oder Auslegern mit Ø76mm. Verringerungssysteme für Maste mit Ø46-60mm mitgeliefert. Vorrichtung für die Verankerung am Mast einstellbar, ohne dass die Armierung geöffnet werden muss. Neigung in vertikaler Konfiguration (auf der Mastseite): 0° + 20°, mit 5°-Step; Neigung in horizontaler Konfiguration (Ausleger): 0° - 20°, mit 5°-Step.

**Manutenzione**

Sostituibilità semplice e veloce del gruppo ottico e del gruppo di alimentazione. Agendo sulle due clips di chiusura del coperchio, senza utilizzo di utensili, questo si può ribaltare lasciando libero accesso al gruppo di alimentazione e al gruppo ottico. All'apertura del vano componenti avviene una disconnessione elettrica automatica grazie all'intervento di un sezionatore che interrompe il circuito elettrico d'alimentazione e seziona i Led. La piastra porta-componenti del gruppo di alimentazione è facilmente sostituibile con lo sblocco dei fermi di aggancio alla struttura dell'armatura e lo scollegamento dei connettori elettrici rapidi resi irreversibili per forma. Il gruppo ottico può essere rimosso rapidamente senza utilizzo di utensili: dopo l'apertura del prodotto è sufficiente svincolare il coperchio sul quale sono fissati i moduli Led.

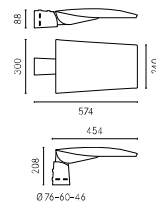
Maintenance

Simple and rapid substitution of the optical unit and the power unit. By unfastening the two closure clips on the cover, which can be done without the use of tools, the cover can be opened, providing access to the power and the optical unit. On opening the component compartment the electricity supply is automatically interrupted via a disconnecter which interrupts the power circuit and isolates the LEDs. The wiring compartment for the power unit can be easily substituted by unfastening the holding clips and disconnecting the rapid power connectors, the shape of which renders it impossible to confuse them. The optical unit can be quickly removed without the use of tools: once the item has been opened, it is sufficient to detach the cover to which the LED modules are attached.

Wartung

Einfache und schnelle Auswechselbarkeit der Optik- und Stromversorgungseinheit. Durch Betätigung der beiden Verschluss-Clips des Deckels, kann dieser ohne Verwendung von Werkzeugen weggeklappt werden, um freien Zugang zur Stromversorgungs- und Optikeinheit zu ermöglichen. Wenn das Komponentenfach geöffnet wird, erfolgt eine automatische elektrische Trennung dank des Eingriffes eines Trennschalters, der den elektrischen Versorgungskreis unterbricht und die LEDs trennt. Die Verkabelungsplatte der Stromversorgungseinheit kann leicht ausgewechselt werden, indem die Feststeller an der Armierungsstruktur entriegelt werden und die elektrischen Schnellverbinder, die aufgrund ihrer Form irreversibel sind, getrennt werden. Die Optikeinheit kann schnell ohne Verwendung von Werkzeugen entfernt werden: Nach der Öffnung des Produkts ist lediglich der Deckel, an dem die Module befestigt sind, zu befreien.

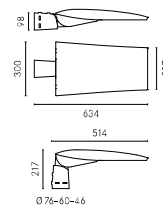
220 240V	50 60Hz	CL II	IP66	IK08
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Kai brackets and poles small

Max weight: 6.5kg

Max exposed surface: 0.13m²Lateral exposed surface: 0.036m²

Kai S 01K11						
Led (source flux) Ref. @700mA @4000K						
4035lm 24W B2	5340lm 32W B6	7960lm 48W C4	11810lm 72W D6			
Led (source flux) Ref. @700mA @3000K						
3845lm 24W B2	5095lm 32W B6	7590lm 48W C4	11260lm 72W D6			
mA: HM3						
700	525	350	700	525		
0	0	5	5	3		
K						
4000	3000	2200*	*Only 48W and 72W Optics ME-01 / LA-01 / LT-6			
0	9	1				
Optics						
ST-01 30	ME-01 32	ME-02 33	LA-01 31	LT-06 37	LT-05 38	MB-01 40
Colors						
RAL9006 A	Sablé100 C					
Smart Lighting						
Preset virtual midnight HM3		Custom programmable virtual midnight HM4				

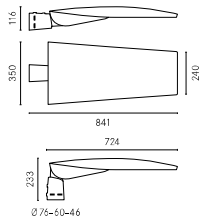
Kai brackets and poles small x

Max weight: 7.5kg

Max exposed surface: 0.14m²Lateral exposed surface: 0.042m²

Kai SX 01K13					
Led (source flux) Ref. @700mA @4000K					
11810lm 72W D6	15410lm 95W E8				
Led (source flux) Ref. @700mA @3000K					
11260lm 72W D6	14695lm 95W E8				
mA: HM3					
700	525	350	700	525	
0	0	5	5	3	
K					
4000	3000				
0	9				
Optics					
ST-01 30	ME-01 32	ME-02 33	LA-01 31	LT-06 37	LT-05 38
AP-DX 36	AP-SX 34	MB-01 40			
Colors					
RAL9006 A	Sablé100 C				
Smart Lighting					
Preset virtual midnight HM3		Custom programmable virtual midnight HM4			

Kai brackets and poles medium



Max weight: 11 kg
 Max exposed surface: 0,24m²
 Lateral exposed surface: 0,059m²

Kai M			
01K12			
Led (source flux) Ref. @700mA @4000K			
15410lm 95W	19400lm 119.5W	23155lm 143W	
E8	G0	H2	
Led (source flux) Ref. @700mA @3000K			
14695lm 95W	18500lm 119.5W	22080lm 143W	
E8	G0	H2	
mA: HM3			
700	525	350	
0	0	5	3
HM4			
700	525	350	
0	5	3	
K			
4000	3000		
0	9		
Optics			
ST-01	ME-01	ME-02	LA-01
30	32	33	31
LT-06	MB-01		
37	40		
Colors			
RAL9006	Sablé100		
A	C		
Smart Lighting			
Preset virtual midnight	Custom programmable virtual midnight		
HM3	HM4		

Esempio Example Beispiel

01K12	E8	0	0	32	A	HM4
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Accessori Accessories Zubehör

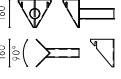
06GN02C0

Piastra a muro 90°
 90° Wall plate
 90° Wandplatte



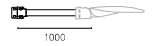
06GN901C0

Piastra angolare 90°
 90° Corner plate
 90° Eckplatte



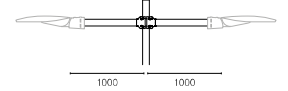
01AK921C0 - Sablé100

B1 Braccio tubolare singolo Ø60mm L 1000mm per palo Ø60-76mm
 B1 Arm tubular Ø60mm L 1000mm for Ø60-76mm pole
 B1 Arm Rohr Ø60mm L 1000mm für Masten Ø60-76mm



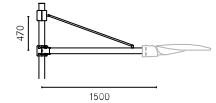
01AK922C0 - Sablé100

B2 Braccio tubolare doppio Ø60mm L 1000mm per palo Ø60-76mm
 B2 Double arm tubular Ø60mm L 1000mm for Ø60-76mm pole
 B2 Doppelarm Rohr Ø60mm L 1000mm für Masten Ø60-76mm



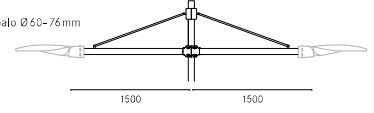
01AK923C0 - Sablé100

B3 Braccio tubolare singolo Ø60mm L 1500mm con tirante per palo Ø60-76mm
 B3 Arm tubular Ø60mm L 1500mm with tensioning rod for Ø60-76mm pole
 B3 Arm Rohr Ø60mm L 1500mm mit Zugstange für Masten Ø60-76mm



01AK924C0 - Sablé100

B4 Braccio tubolare doppio Ø60mm L 1500mm con tirante per palo Ø60-76mm
 B4 Double arm tubular Ø60mm L 1500mm with tensioning rod for Ø60-76mm pole
 B4 Doppelarm Rohr Ø60mm L 1500mm mit Zugstange für Masten Ø60-76mm



01AK951C0 - Sablé100

B1-P Braccio tubolare singolo Ø60mm L 1000mm per palo Ø60-76mm
 B1-P Arm tubular Ø60mm L 1000mm for Ø60-76mm pole
 B1-P Arm Rohr Ø60mm L 1000mm für Masten Ø60-76mm

