



# Kegel – for every taste a choice

## Kegel

The Kegel luminaire family represents a timeless lighting concept, with an installed base already in excess of one million pieces. The latest addition to the family is Kegel Comfort, which is designed to maximize traffic safety and general well-being in public outdoor areas. The wide range of standard mix-and-match components enables luminaire shapes to be varied to suit the specific demands of the application, while retaining the technical heart of the lantern. This modularity, in combination with dedicated optics, ensures a highly efficient solution for many lighting applications. And all this wrapped up in an extremely vandal-resistant package.

### Benefits

- Standardized components allow mix-and-match
- No need to change the technical heart of the lantern, thus limiting the number of spare parts that need to be held in the workshop
- Asymmetric distribution in combination with discharge lamps

### Features

- Option of comfortable lighting optics for PL-L lamps, reducing obtrusive light by 30%
- Comfort version: up to 65% less light pollution compared with many existing lanterns
- Compact Fluo Comfort optic has been specifically designed for compact fluorescent lamps, delivering high 78% efficiency
- Quick and easy connection of the power supply cable through the plug/socket connection on the spigot

## Application

- Traffic routes: cycle paths, pedestrian crossings, roundabouts, parking areas
- Residential: streets, cycle paths and footpaths, roundabouts, squares/parks and playgrounds, parking areas
- City centers: side streets, pedestrian crossings, squares and parks, public transport, cycle paths and footpaths, parking areas
- Large outdoor areas: industrial areas, harbors, airports, waterways, rail yards

## Specifications

<b>Type</b>	CDS711 (Kegel 2000 version)
	CDS712 (Kegel 2010 version)
	CDS713 (Kegel 2016 version)
	CDS714 (Kegel 2022 version)
	CDS715 (Kegel 2025 version)
	CDS716 (Kegel 2060 version)
	CDS741 (Kegel 2003 version)
	CDS742 (Kegel 2013 version)
	CDS743 (Kegel 2019 version)
	CDS744 (Kegel 2023 version)
	CDS745 (Kegel 2029 version)
	CDS746 (Kegel 2063 version)
	CDS751 (Kegel 2005 version)
	CDS752 (Kegel 2012 version)
	CDS753 (Kegel 2018 version)
	CDS754 (Kegel 2020 version)
	CDS755 (Kegel 2027 version)
	CDS756 (Kegel 2065 version)
	CDS731 (Kegel 2030 version)
	<b>Light source</b>
- 1 x or 2 x MASTER PL-L 4 Pin / 2G11 / 18, 24, 36 W	
- 1 x MASTER PL-T 4 Pin / GX24q-3-4-5/ 26, 32, 42, 57 W	
- 1 x or 2 x PL-L-XA / 2G11 / 18, 24, 36 W	
- 1 x PL-T/4P-XA / GX24q-3-4-5 / 26, 32, 42, 57 W	
HID:	
- 1 x SOX / BY22d / 35 W	
- 1 x MASTER SOX-E / BY22d / 26 W	
- 1 x or 2 x SON-T PIA Plus / E27 / 50, 70 W	
- 1 x SON-T PIA Plus / E40 / 100, 150 W	
- 1 x SON PIA Plus / E27 / 50, 70 W	
- 1 x MASTERcolour City CDO-TT / E27 or E40 / 50, 70, 100, 150 W	
- 1 x MASTERcolour CDM-T / G12 / 35, 70, 150 W	
- 1 x MASTER CosmoPolis CPO-TW / PGZ12 / 45, 60, 90, 140 W	

<b>Lamp included</b>	Yes (lamp color 728, 730, 740, 827, 828, 830, 840)	
	No	
<b>Ballast (integrated)</b>	Conventional electro-magnetic (CONV-SG) (for SON lamps)	
	Conventional electro-magnetic (SGR) (for SON lamps)	
	Electronic, 220-240 V / 50-60 Hz:	
	- Electronic (EB)	
	- High Frequency (HF)	
<b>Mains voltage</b>	230 or 240 V / 50-60 Hz	
	<b>Ignitor</b>	Semi-parallel, self-stopping (ST)
		Series, self-stopping (SS)

## Specifications

<b>Optic</b>	Symmetric (S), symmetric white finished (S-WH), symmetric comfort (SC), asymmetric (A)
<b>Optical element</b>	Internal louvres for comfort optic version

<b>Optical cover</b>	Clear polycarbonate bowl, diamond structured (DMP)
	2060/2063/2065 versions only available with fine frosted structured bowl (PCF)
<b>Cable gland</b>	M 20

<b>Options</b>	Wired for cell (WFC) or mini Photocell or NEMA socket
	Class II versions
	Electronic ballast for SON-T / CDO-TT lamps
	Dimmable versions
<b>Material</b>	Canopy: glass fibre reinforced polyester
	Bowl: impact resistant UV stabilized polycarbonate, clear
	Spigot: die-cast aluminum
<b>Color</b>	Black (RAL9005)
	Other RAL colors available on request

<b>Maintenance</b>	Tool-less access by lock nut and spring clip
<b>Installation</b>	Post-top mounting: axial entry Ø 60 (60P) or 76 (76P) mm
	Operating temperature: - 20 °C < Ta < 35 °C
	Recommended mounting height: 4-6 m
	Max SCx: 0.10-0.17 m²
<b>Accessories</b>	Complete set of lighting comfort louvers
	Adapter for post top Ø 60 mm (in combination with 76 mm spigot)

**Versions**



**KEGEL 2000 - 1 pc - MASTER PL-L 4 Pin - Electronic - Reflector - Polycarbonate bowl/cover - - - Diameter 60 mm, posttop decorative**



**KEGEL 2000 - 1 pc - MASTER SON-T PIA - Electronic regulating DALI - Reflector - Polycarbonate bowl/cover - - - DALI - Diameter 76 mm, posttop decorative**



**KEGEL 2000 - 1 pc - MASTER SON-T PIA - Electronic regulating DALI - Reflector - Polycarbonate bowl/cover - - - DALI - Diameter 76 mm, posttop decorative**

**Approval and Application**

Mech. impact protection code	IK08
Surge Protection (Common/Differential)	-

**Controls and Dimming**

Dimmable	No
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**General Information**

Luminaire light beam spread	-
CE mark	CE mark
Light source color	-
Optical cover/lens type	Polycarbonate bowl/cover
Flammability mark	-
Number of gear units	1 unit
Number of light sources	1 pc
Optic type	Reflector
Product Family Code	CDS711

**Initial Performance (IEC Compliant)**

Init. Corr. Color Temperature	- K
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**Light Technical**

Standard tilt angle side entry	-
Standard tilt angle posttop	0°
Upward light output ratio	0.03

**Mechanical and Housing**

Color	Black
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**Application Conditions**

Order Code	Full Product Name	Maximum dim level
912300024067	CDS711 1XPL-L24W HFP S DMP BK LV 60 L30	-
912300024068	CDS711 1XPL-L24W HFP S PCF BK LV 60 L30	-
912300024070	CDS711 1XSON-TPP70W EB PSU A DMP BK 76 L	50%
912300024073	CDS751 1XSON-TPP70W EB PSU S DMP BK 76 L	50%
912300024075	CDS754 1XSON-TPP70W EB PSU S DMP BK 76 L	50%

**General Information**

Order Code	Full Product Name	Lamp family	
		Gear	code
912300024067	CDS711 1XPL-L24W HFP S DMP BK LV 60 L30	EB	PL-L
912300024068	CDS711 1XPL-L24W HFP S PCF BK LV 60 L30	EB	PL-L
912300024070	CDS711 1XSON-TPP70W EB PSU A DMP BK 76 L	EBD	SON-TP
912300024073	CDS751 1XSON-TPP70W EB PSU S DMP BK 76	EBD	SON-TP

L

Order Code	Full Product Name	Lamp family	
		Gear	code
912300024075	CDS754 1XSON-TPP70W EB PSU S DMP BK 76	EBD	SON-TP

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