



Kegel LED – comfort and lighting performance in one

Kegel LED Small

The Kegel luminaire family represents a timeless lighting concept, with an installed base already in excess of one million pieces. The wide range of standard mix-and-match components enables luminaire shapes to be varied to suit the specific demands of the environment while retaining the technical heart of the lantern. This modularity, in combination with dedicated optics, ensures a highly efficient solution for many lighting applications. All this wrapped up in an extremely vandal-resistant package. As part of our ongoing product development program, the popular Kegel 2000 luminaire family is now available in an energy-efficient RETROLED version. Existing Kegel luminaires can easily be upgraded to LED by means of a special RETROLED kit.

Benefits

- Timeless design for modern and classical environments
- Energy-saving LED solution – reduces carbon footprint
- Easy installation and maintenance
- Equipped with Service tag, a QR-based identification system that makes each luminaire uniquely identifiable and provides maintenance, installation and spare part information

Features

- Standardized components allow mix-and-match
- Dimming, CLO and L-Tune options
- Solid luminaire construction
- Retrofit solution for installed base

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Application

- Traffic routes, parking areas
- Residential streets/areas, pedestrian paths/walkways, squares/parks and playgrounds, parking areas
- City centers: squares and parks, pedestrian and shopping areas, public transport, pedestrian paths/walkways, parking areas

Specifications

Type	BDS701 (Kegel LED 2015 version)	Color Rendering Index	75 (for 5700 K)			
	BDS702 (Kegel LED 2035 version)		80 (for 3000 and 4000 K)			
	BDS703 (Kegel LED 2040 version)		Maintenance of lumen output - L80F10	Depends on tuning (L-tune software)		
	BDS721 (Kegel LED 2017 version)			Driver failure rate	0,5‰ per 5000 hours	
	BDS723 (Kegel LED 2042 version)				Operating temperature range	-25 to +35 °C
	BDS724 (Kegel LED 2037 version)					Driver
	Power/Data supply	Philips Xitanium				
Light source		Built-in LED-module	Mains voltage	220-240 V / 50-60 Hz		
Power	10 to 75 W depending on tuning	Inrush current (depends on driver version):	40 W: 65 A / 100 µs 75 W: 80 A / 150 µs 100 W: 80 A / 150 µs			
Luminous flux	850 ot 9400 lm depending on tuning					
Luminaire efficacy	85 ot 125 lm/W depending on tuning					
Correlated Color Temperature	3000 K (warm white) 4000 K (neutral white) 5700 K (cool white)					

Specifications

Controls system input	1-10 V or DALI	Color	Canopy: black, RAL9005 (exterior) and wit, RAL9016 (interior) Frame: wit, RAL9016 Other RAL colors available on request			
Dimming	1-10 V	Connection	Plug / socket connector			
	DALI		Maintenance	Tool-less by unscrewing the lock nut on the canopy and pressing the spring clip on the gear tray		
	DynaDimmer			Installation	Post-top mounting: axial entry Ø 60 - 76 mm (60P or 76P) Recommended mounting height: 4-6 m Standard tilt angle: 0° Max SCx: 0.110-0.170 m²	
	SDU				Cable gland	PG 16
	Starsense RF OLC					Accessories
Options	Including cable Class II version Wired for cell (WFC), mini Photocell or NEMA socket	Remarks	Retrofit LED unit available for updating existing luminaires			
Optic	Micro lens optic					
Optical cover	Clear polycarbonate bowl, diamond structured (DMP)					
	2040/2042 versions available with diamond (DMP) or a fine frosted (PCF) structured bowl					
Material	Canopy: glass fibre reinforced polyester					
	Bowl: impact resistant and UV stabilized polycarbonate					
	Frame: steel					
	Gear tray: galvanised steel plate and extruded aluminum cooling profile Spigot: die-cast LM6-quality aluminum					

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Versions



KEGEL LED 2015 - LED module
6000 lm - LED - 740 neutral white
- Power supply unit regulating -
220 to 240 V - 50 or 60 Hz -
Safety class I - Distribution extra
wide 50 - Polycarbonate bowl/
cover prismatic - Black - Luminaire
surge protection level until 6 kV
differential mode and 6 kV
common mode - - - Post-top for
diameter 76 mm



KEGEL LED 2015 - LED module
6000 lm - LED - 740 neutral white
- Power supply unit regulating -
220 to 240 V - 50 or 60 Hz -
Safety class II - Distribution extra
wide 50 - Polycarbonate bowl/
cover prismatic - Black - Luminaire
surge protection level until 6 kV
differential mode and 6 kV
common mode - - - Post-top for
diameter 76 mm

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Application Conditions

Maximum dim level	10%
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Approval and Application

Mech. impact protection code	IK08
Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV differential mode and 6 kV common mode

Controls and Dimming

Dimmable	Yes
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General Information

Luminaire light beam spread	23° - 8° x 152°
CE mark	CE mark
Light source color	740 neutral white
Optical cover/lens type	Polycarbonate bowl/cover prismatic
Driver included	Yes
Flammability mark	-
Lamp family code	LED60
Light source replaceable	Yes
Number of gear units	1 unit
Optic type	Distribution extra wide 50
Product Family Code	BDS701

Initial Performance (IEC Compliant)

Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	>70
Initial luminous flux	4560 lm

Light Technical

Standard tilt angle side entry	0°
Standard tilt angle posttop	0°
Upward light output ratio	0.08

Mechanical and Housing

Color	Black
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General Information

Order Code	Full Product Name	Service tag
912300024047	BDS701 LED60-4S/740 PSDD DW50 DMP BK CLO	Yes
912300024056	BDS721 LED60-4S/740 PSDD II DW50 DMP BK	-

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