



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)	
	BDS702 (Kegel LED 2035 version)	
	BDS703 (Kegel LED 2040 version)	
	BDS721 (Kegel LED 2017 version)	
	BDS723 (Kegel LED 2042 verson)	
	BDS724 (Kegel LED 2037 version)	
Light source	Built-in LED-module	
Power	10 to 75 W depending on tuning	
Luminous flux	850 ot 9400 lm depending on tuning	
Luminaire efficacy	85 ot 125 lm/W depending on tuning	
Correlated Color	3000 K (warm white)	
Temperature	4000 K (neutral white)	
	5700 K (cool white)	

Color Rendering Index	75 (for 5700 K)
	80 (for 3000 and 4000 K)
Maintenance of lumen	Depends on tuning (L-tune software)
output - L80F10	
Driver failure rate	0,5% per 5000 hours
Operating temperature	-25 to +35 ^o C
range	
Driver	Integrated programmable LED driver
Power/Data supply	Philips Xitanium
Mains voltage	220-240 V / 50-60 Hz
Inrush current (depends	40 W: 65 A / 100 μs
on driver version):	75 W: 80 A / 150 μs
	100 W: 80 A / 150 μs

Specifications

Controls system input	1-10 V or DALI
Dimming	1-10 V
	DALI
	DynaDimmer
	SDU
	Starsense RF OLC
Options	Including cable
	Class II version
	Wired for cell (WFC), mini Photocell or NEMA socket
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

Color	Canopy: black, RAL9005 (exterior) and wit, RAL9016 (interior)		
	Frame: wit, RAL9016		
	Other RAL colors available on request		
Connection	Plug / socket connector		
Maintenance	Tool-less by unscrewing the lock nut on the canopy and		
	pressing the spring clip on the gear tray		
Installation	Post-top mounting: axial entry Ø 60 - 76 mm (60P or 76P)		
	Recommended mounting height: 4-6 m		
	Standard tilt angle: 0º		
	Max SCx: 0.110-0.170 m ²		
Cable gland	PG 16		
Accessories	Special adapter for post top Ø 60 mm		
Remarks	Retrofit LED unit available for updating existing luminaires		

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
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Application Conditions Maximum dim level 10% Approval and Application Mech. impact protection code IK08 Surge Protection (Common/ Luminaire surge protection level until 6 kV differential) protection level and 6 kV common mode Controls and Dimming Dimmable Yes General Information Luminaire light beam spread 23° - 8° x 152° CE mark CE mark Light source color 740 neutral white Driver included Yes Flammability mark - Lamp family code LED60 Light source replaceable Yes Number of gear units 1 unit Product Family Code BDS701 Initial Performance (IEC Compliant) Init. Corr. Color Temperature 4000 K Init. Color Rendering Index >70 Initial luminous flux 4560 Im Light Technical Standard tilt angle side entry 0° Standard tilt angle posttop 0° Upward light output ratio 0.08		
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		0.08
Color Black	Mechanical and Housing	
	Color	Black

General Information (1/2)

		Optical cover/lens	Lamp	Number of	
Order Code	Full Product Name	type	version	light sources	Optic type
912300024047	BDS701 LED60-4S/740	Diamond pattern	4S	30 pcs	Distribution wide
	DW50 DMP BK				50
	CLODDF3A				
912300024056	BDS721 LED60-4S/740	Polycarbonate bowl/	-	-	Distribution extra
	PSDD II DW50 DMP BK	cover prismatic			wide 50

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General Information (2/2)

Order Code	Full Product Name	Service tag
912300024047	BDS701 LED60-4S/740 DW50 DMP BK CLODDF3A	Yes

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



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