



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 version)
	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 output - L80F10	Depends on tuning (L-tune software)
Driver failure rate	0,5‰ per 5000 hours
Operating temperature range	-25 to +35 °C
Driver	Integrated programmable LED driver
Power/Data supply	Philips Xitanium
Mains voltage	220-240 V / 50-60 Hz
Inrush current (depends on driver version):	40 W: 65 A / 100 µs
	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: 0°
	Max SCx: 0.110-0.170 m²
Cable gland	PG 16
Accessories	Special adapter for post top Ø 60 mm
Remarks	Retrofit LED unit available for updating existing luminaires

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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

Application Conditions

Maximum dim level 10%

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

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 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

General Information (1/2)

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

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General Information (2/2)

Order Code	Full Product Name	Service tag	Order Code	Full Product Name	Service tag
912300024047	BDS701 LED60-4S/740 DW50 DMP BK CLODDF3A	Yes	912300024056	BDS721 LED60-4S/740 PSDD II DW50 DMP BK	-

