



Kegel LED

BDS711 LED20-4S/830 PSDD DW50 PCF BK CLO

KEGEL LED 2000, LED Module 2000 lm, LED, 830 warm white, Power supply unit regulating, 220 to 240 V, 50 or 60 Hz, Safety class I, Distribution extra wide 50, Polycarbonate bowl/cover frosted, Black, Luminaire surge protection level until 6 kV differential mode and 6 kV common mode, Post-top for diameter 60 mm

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.

Product data

General Information			
Lamp family code	LED20 [LED Module 2000 lm]	Light source engine type	LED
Light source replaceable	Yes	Product family code	BDS711 [KEGEL LED 2000]
Number of gear units	1 unit	Lighting Technology	LED
Driver included	Yes	CE mark	Yes
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components	Warranty period	5 years
		Flammability mark	-
		ENEC mark	-

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EU RoHS compliant	Yes
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Light Technical

Upward light output ratio	0.08
Luminous Flux	1,501.5 lumen
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	94 lm/W
Color rendering index (CRI)	>80
Light source color	830 warm white
Optical cover type	Polycarbonate bowl/cover frosted
Luminaire light beam spread	23° - 8° x 152°
Optic type outdoor	Distribution extra wide 50

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Initial CLO power consumption	16 W
Average CLO power consumption	16.2 W
End CLO power consumption	16.4 W
Inrush current	15 A
Inrush time	0.295 ms
Power Consumption	16 W
Power Factor (Fraction)	0.99
Connection	AC power connector C13
Cable	-
Number of products on MCB of 16 A type B	29

Temperature

Ambient temperature range	-40 to +50 °C
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Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit regulating
Control interface	DALI
Constant light output	Yes

Mechanical and Housing

Housing Material	Aluminum die cast
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover material	Polycarbonate
Fixation material	Aluminum
Housing Color	Black
Mounting device	Post-top for diameter 60 mm
Optical cover shape	Conical

Optical cover finish	Frosted
Overall length	562 mm
Overall width	562 mm
Overall height	340 mm
Overall diameter	562 mm
Effective projected area	0.252 m²
Dimensions (Height x Width x Depth)	340 x 562 x 562 mm

Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV differential mode and 6 kV common mode
Protection class IEC	Safety class I

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.410, 0.390) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L100

Application Conditions

Maximum dim level	10%
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Product Data

Full product code	871869947741700
Order product name	BDS711 LED20-4S/830 PSDD DW50 PCF BK CLO
Order code	912300024050
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	912300024050
Full product name	BDS711 LED20-4S/830 PSDD DW50 PCF BK CLO
EAN/UPC - Case	8718699477417
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Dimensional drawing

