Kegel LED

BDS751 LED50-4S/830 DM50 BK CLODDF3A 60P

KEGEL LED 2015, 30, LED module 5000 lm, LED, 830 warm white, Power supply unit with DynaDimmer, 220 to 240 V, 50 or 60 Hz, Safety class I, Distribution medium 50, Diamond pattern, Black, Luminaire surge protection level until 6 kV differential mode and 6 kV common mode, Spigot 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	LED50 [LED module 5000 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components
Light source engine type	LED
Product family code	BDS701 [KEGEL LED 2015]

Lighting Technology	LED
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	-
EU RoHS compliant	Yes

Light Technical

Upward light output ratio	0.08
Luminous Flux	3,871 lm

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Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	105 lm/W
Color rendering index (CRI)	>80
Number of light sources	30
Light source color	830 warm white
Optical cover type	Diamond pattern
Luminaire light beam spread	30° – 5° x 153°
Optic type outdoor	Distribution medium 50

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Initial CLO power consumption	37 W
Average CLO power consumption	37.5 W
End CLO power consumption	38 W
Inrush current	43 A
Inrush time	0.26 ms
Power Consumption	37 W
Power Factor (Fraction)	0.97
Connection	AC power connector C13
Cable	–
Number of products on MCB of 16 A type B	10

Temperature

Ambient temperature range	–40 to +50 °C

Controls and Dimming

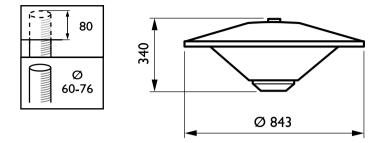|	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DynaDimmer
Control interface	DALI
Constant light output	Yes

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	Spigot for diameter 60 mm
Optical cover shape	Curved
Optical cover finish	Textured
Overall length	843 mm

Overall width	843 mm
Overall height	340 mm
Overall diameter	843 mm
Effective projected area	0.534 m²
Dimensions (Height x Width x Depth)	340 x 843 x 843 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%

Product Data

Order product name	BDS751 LED50-4S/830 DM50 BK CLODDF3A 60P
Full product name	BDS751 LED50-4S/830 DM50 BK CLODDF3A 60P
Full product code	871869947748600
Order code	912300024057
Material Nr. (12NC)	912300024057
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718699477486
Numerator – Packs per outer box	1
EAN/UPC – Case	8718699477486

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Dimensional drawing

www.lighting.philips.com

2023, September 4 – data subject to change