

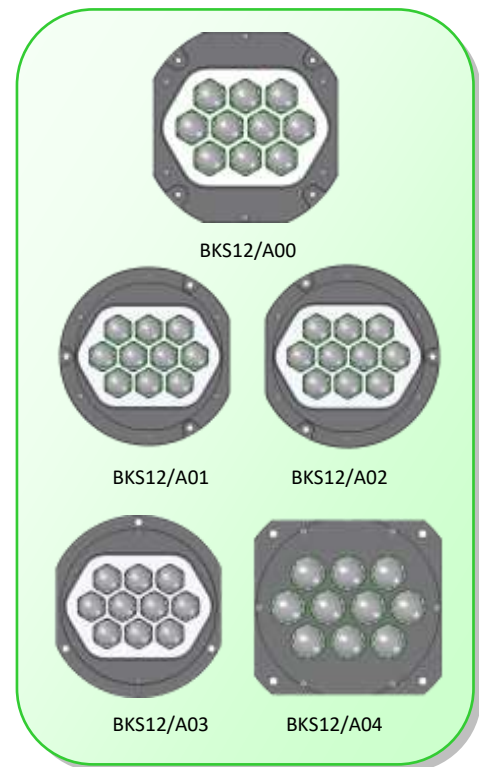
Product Description:

The BKS12 front long range headlamp is designed for rail vehicles. The light sources consists of high luminous intensity SMD LEDs in combination with originally designed optics in order to meet the requirements of standard ČSN EN 15153-1 (incl. chap. 5.3.5 and tab. 3), TSI 1302/2014 LOC&PAS and UIC 534 for conventional and high-speed vehicles.

BKS12 operates in dimmed and undimmed mode, includes diagnostics of LEDs and is capable of reporting on any potential failures through diagnostic output.

The advantage of BKS12 lies in significantly improved utility properties compared to classic light bulb- or halogen lamp-based lighting – high reliability, longer service life, lower costs of operation and maintenance and thus also higher safety in the use of the railway vehicle. BKS12 can be used on new railway vehicles as well as a full replacement for existing halogen lamps.

The BKS12/A01 and BKS12/A02 can fully replace the Hellapal SL 391 halogen reflector, for example. The BKS12/A03 replaces the lower and the BKS12/A04 replaces the upper halogen reflectors of Pendolino vehicles.



Technical Parameters:

Type designation	BKS12/A00	BKS12/A01	BKS12/A02	BKS12/A03	BKS12/A04
Light colour	White				
Number of LEDs	10				
Supply voltage U_n	24 or 48 V DC				
Input voltage at U_n 24 V	Max. 45 W				
Recommended protection of input	6 A circuit breaker				
Maximum input load	4 to 8 mA, 16.8 to 60 V DC, resistance load				
Maximum output load	40 mA, 16.8 to 60 V DC, resistance load				
Diagnostic output OPERATION	Yes				
Diagnostic output ERROR	Yes				
Construction in accordance with	ČSN EN 50155, ČSN EN 15153-1, TSI 1302/2014 LOC&PAS, UIC 534				
Ambient temperature	T1 and T2				
Ambient storage temperature	-40 °C to +70 °C				
Humidity	In accordance with ČSN EN 50155 art. 4.1.4				
Supply voltage tolerance	0.7 U_n to 1.25 U_n , supply voltage interruption S1				
Insulation resistance	In accordance with ČSN EN 50155 art. 12.2.9				
Electric strength	Between live sections and frame 500 V art. 12.2.9				
Impacts and vibrations	Category 1, class B, in accordance with ČSN EN 50155 art. 4.1.3				
Covered according to ČSN EN 60529	IP65, in accordance with ČSN EN 60529				IP20
Mounting position	Vertical, cable bushing facing the ground				
Dimensions (h × w × d) in	191×185×80	209 × 199 × 80		209×189×77	158×168×69

mm				
Weight	2 kg	1.8 kg	2 kg	2 kg