

Technical Data
“Global” LED Insertion Module Version A.3

	International Standard	∅ 200	∅ 300
Optics			
Luminous intensity	EN 12368	> 200 cd	> 400 cd
Luminous intensity distribution	EN 12368, DIN 67527-1	Power level B2 class 2, type W	Power level B3 class 2, type N
Color	EN 12368, DIN 6163-5	red, amber, green, white	
Phantom light class	EN 12368, DIN 67527-1	5	4
Lens type		colored	
Electronics			
		230 V (∅ 200 / ∅ 300)	**40 V-OCIT** (∅ 200 / ∅ 300)
Operating voltage		230 V AC -15% / +10%	40 V AC -15% / +25%
Power frequency		50 Hz	50 Hz
Power consumption	VDE-monitored	red, amber ≧ 17 W amber 8 W green 8 W	red typ. 7 W yellow typ. 7 W green typ. 7 W
EMC	EN 50293	according to standard	
Power factor		> 0,9	
Mechanics			
Temperature range	EN 12368	-40°C up to +60°C / class A, B, C	
Impermeability	EN 60529	IP 65	
Weight		< 1.0 kg	< 1.5 kg
Dimensions		∅ 210 mm x 117 mm	∅ 300 mm x 149 mm
Safety			
Intrinsic safety	VDE 0832-100	confirmed by TÜV Rheinland	
Light engineering reliability		Constant chain circuit through the LEDs; in case of malfunction or defect of single LEDs, the remaining LEDs shine brighter Several parallel LED rows ensure minimum LED failure Central LED structure with high-performance LEDs Always constant EN-compliant luminous intensity through central power supply, even in the event of LED failure	
Special Characteristics			
		Central optics with few, very bright LEDs Closed aluminium housing Colored front lense	

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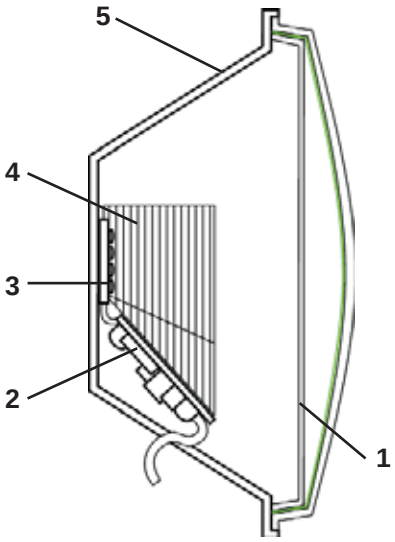
Structure of an LED insertion module



1. Light-focusing fresnel lense
2. Control logic
3. LED structure
4. Light-absorbing structure
5. Closed aluminium housing, highly heat-dissipating

The available specifications for our “Global” LED insertion modules are shown on the overleaf page. With a special coating on the front lens, it is possible to produce every desired symbol.

The LED insertion modules correspond to the requirements of the following standards: DIN EN 12368, DIN 67527-1 (2001), DIN VDE 0832-100 (at a standard-compliant controller), DIN VDE 0832-200 / DIN EN 50293, DIN EN 61000-3-2, EN 60529, EN 60598-1 and RiLSA.

All standards relevant for illumination technology have been confirmed at the BASt, conformity to DIN VDE 0832-100 has been confirmed by TÜV Rheinland.

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