



eneo **LED300 Series**
IR illuminators with high
service life

Overview LED300 Series

	IR LED300-B-20	IR LED300-B-50	IR LED300-C-35	IR LED300-B-50R
Art.-No.	71726	71721	71731	71724
Spectral emission	880nm	880nm	950nm	880nm
Beam angle	20° (H/V)	50° (H/V)	35° (H/V)	50° (H/V)
Scene coverage	up to 180m	up to 150m	up to 100m	up to 150m
Control input	-	-	-	√
Control output	-	-	-	√
Spectral half-value range	80nm			
Twilight switch	50 / 130Lux (ON/OFF) sensor controlled. Permanent Illuminator function by sensor covering (adhesive tap supplied) or in case of sensor failure			
Temperature related switch-off	At system temperature >60°C the supply voltage will be reduced			
Heating above ambient air temperature	35°C max.			
Isolation strength	Class I (integrated spark gap 0/>4mm, on primary and secondary side)			
Efficiency factor	>97% (Power supply unit), cos phi: >0.9			
Switch-on delay	Softstart			
Connection	2m Mains connection cable with open ends			
Supply voltage	200 ~ 240VAC +/-10%, 50Hz			
Power consumption	72W at 230VAC			
Protection rating	IP66			
Housing ventilation	Via air vent			
Mount	1/4" UNC, 2x M6			
Temperature range	-30°C ~ +50°C			
Weight	3,1kg			

The new generation of eneo infrared illuminators is now available: the exclusive LED300 series. The new models come with over 22% more light-emitting diodes plus a power supply unit which is designed for high service life as well as optimum efficiency. The power supply unit has integral PFC (power factor correction) to ensure outstanding heat balance. The high efficiency (over 97%) combined with power supply unit PFC delivers lower power consumption for the LED 300 Series than its predecessors, even though more light-emitting diodes are used.

The front window is polished on the inside as well as the outside for a considerably improved transmission behaviour. The sensor controlled twilight switch with a front viewing direction is fitted with an infrared cut filter that ensures the illuminator does not switch off due to reflected infrared light. This rules out any faulty switching. An optionally available bracket has also been developed especially for the LED300 series – it guarantees maximum neutral-load installation combined with exceptional stability.