



Stop/tail










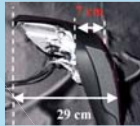

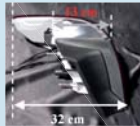





Product comparison



	HiPerVision PW19W PW16W	PR21/5W	LUXEON Rebel Red Orange	SnapLED Red Orange	SnapLED Xtreme Red Orange SnapLED Xtreme Super Red	SignalSure Red Orange SignalSure Super Red	LUXEON LR3, LR4, LR5	LUXEON Versat Red Orange LUXEON Versat Super Red
Lumen output	PW19W 350 lm at 13.5V PW16W 300 lm at 13.5V	Main 105 lm at 13.5V Aux. 8 lm red at 13.5V	80 lm at 350 mA, MP	21 lm at 150 mA, MP	Red Orange 45 lm at 300 mA, MP Super Red 18 lm at 300 mA, MP	Red Orange 3.5 lm at 30 mA, MP 11 lm at 75 mA, MP 21 lm at 150 mA, MP 38 lm at 250 mA, MP Super Red 1.8 lm at 30 mA, MP 6.1 lm at 75 mA, MP 10.4 lm at 150 mA, MP 18 lm at 250 mA, MP	Red Orange LR3: 80 lm LR4: 80 lm and 6 lm dual current LR5: 120 lm	Red Orange 60 lm Super Red 30 lm
Lifetime	19W B3 1,000 h 16W B3 1,500 h	B3 aux/main 800/450 h	-	-	-	-	B3L70: 5,000 h Ta = 85°C	-
Styling	Miniaturized lighting functions	Style differentiation with clear bulbs	Brightest, domed LED for rear-lighting applications	Mid-power LED for robust 3D-design flexibility	Homogenous styling using fewer LEDs	Compact SMD mid-power family for 2D-design flexibility	High-lumen, standardized regulated LED package for wide range of design applications and optical concepts	High-power LED for stop/tail Light Guide applications

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Design-in	 <ul style="list-style-type: none"> For slim and bended designs in compact reflectors due to reduced heat load Dual function lamp thanks to PWM dimming 	 <ul style="list-style-type: none"> Two filaments for dual function 	 <ul style="list-style-type: none"> A proven solution for tail Light Guide, stop light and rear fog applications to meet today's high flux automotive demands 	 <ul style="list-style-type: none"> SnapLED is a robust solution for customizable 3D clinch assemblies that allow for efficient and flexible design solutions Robust clinch-frame technology for solder-free assembly and 3D forming capability 	<ul style="list-style-type: none"> SnapLED Xtreme offers homogenous appearance and 3D styling with a minimal number of LEDs in proven clinch technology 	<ul style="list-style-type: none"> SignalSure family of mid-power SMD products offers a broad range of signaling designs with a full range of flux options in industry-standard packages 	<ul style="list-style-type: none"> LUXEON LR3, LR4, LR5 regulated modules reduce the total cost of ownership as well as the design cycle of LED lighting, while offering more styling opportunities from a high-lumen single source 	<ul style="list-style-type: none"> Symmetrical package and low Z profile, to simplify optical design and minimize design space
Features and benefits	 <p>BMW 3-series convertible fitted with HiPerVision</p> <ul style="list-style-type: none"> Axial filament for higher optical efficiency Higher accuracy (50-75% tighter tolerances for coil positioning) Miniaturized bulb for lower power consumption and lower heat load 	 <p>BMW 3-series coupe with conventional technology</p>	<ul style="list-style-type: none"> High-flux output offers flexibility for styling and innovative optical design Low thermal resistance and low-power consumption results in simplified thermal management and lower system costs 	<ul style="list-style-type: none"> Dual current binning for stop/tail combination Low thermal resistance and low-power consumption results in simplified thermal management and lower system costs Reliable operation for simple resistor/diode driven design <p>Custom integrated solutions Full-service design and engineering for customized 3D designs and end-to-end supply chain support for plug & play lighting solutions</p> 	<ul style="list-style-type: none"> Innovative and unique oval-batwing lens provides even illumination over a wide rectangle for optical design efficiency High-flux performance results in fewer components Low thermal resistance and low-power consumption results in simplified thermal management and lower system costs Formable metal clinch frame permits solder-free mounting and simplified thermal management resulting in lower system costs and higher reliability 	<ul style="list-style-type: none"> Broad, continuous range of flux options Common form factor for future proof designs High maximum junction temperature which helps to create smaller and more efficient designs High current capabilities maximize lumens per package to optimize system design and cost 	<ul style="list-style-type: none"> High-lumen package with excellent hot/cold factor usable in ambient temperature conditions (up to 85°C) Low design-in effort, simplified supply chain, ECE-regulated, end-user replaceable Completely sealed system Regulated sealed connector meets automotive requirements worldwide Robust design: manufactured with our proprietary molding technology on a fully-automated automotive-quality production line 	<ul style="list-style-type: none"> Industry standard footprint offers simplified integration Package optimized for light extraction, achieving industry leading efficacy Low thermal resistance
Environment	<ul style="list-style-type: none"> No bulb replacement necessary 		<ul style="list-style-type: none"> For stop and tail applications, SnapLED or LUXEON can support CO₂ targets by saving ~0.25 g/km (~80% power savings) compared to standard lamp solutions 					

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