



For A Better Tomorrow
DOMINANT Automotive Exterior LED Solutions

We Focus on
the Automotive Market





DOMINANT Opto Technologies is one of the leading light-emitting diodes (LEDs) manufacturers in the world offering high-performance and innovative solutions for world-renowned car makers.

Established in 2000, DOMINANT has expanded globally, with 6 regional offices in close proximity to key design centers located in Europe, the United States, China, Japan, South Korea and India to provide professional sales and technical support.

Our comprehensive product portfolio ranges from low to high intensity LEDs with a wide range of color spectrum for interior applications e.g. instrument cluster, infotainment system, climate control, switches and ambient lighting as well as exterior applications e.g. head lamp, tail lamp, rear combination lamp, central high mounted stop lamp and license plate lamp. All of our products are qualified in accordance to the automotive qualification of AEC-Q102.

With extensive experience and expertise in research and technological development combined with state-of-the-art manufacturing facilities, DOMINANT is relentlessly pushing the boundaries of innovation without compromising on quality and reliability and has become a trusted and reliable partner for its customers.

For more information about DOMINANT, an IATF 16949 and ISO 14001 certified company, please visit our website at <http://www.dominant-semi.com>



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Rear Lighting



DomiLED



3.2 x 2.8 x 1.8mm

Color	Part No.	$\lambda_d / C_x C_y$	I_F	$I_F(\text{max})$	Flux (typ)	V_F	$T_j(\text{max})$	$R_{th JS real}(\text{typ})$
Amber	DRA-HKS	612-627nm	30mA	50mA	6.5lm	1.90-2.50V	125°C	130K/W
Yellow	DRY-MKS	586-595nm	30mA	50mA	6.5lm	1.80-2.50V	125°C	130K/W
Super Red	DRS-MKS	627-639nm	30mA	50mA	3.9lm	1.80-2.50V	125°C	130K/W
White	DDW-HZKG	F1P3 (Single color bin)	20mA	50mA	6.9lm	2.80-3.30V	125°C	120K/W

Power DomiLED



3.2 x 2.8 x 1.8mm

Color	Part No.	$\lambda_d / C_x C_y$	I_F	$I_F(\max)$	Flux (typ)	V_F	$T_J(\max)$	$R_{th JS real}(typ)$
■ Amber	DWA-HKG	612-627nm	50mA	70mA	8.2lm	2.05-2.50V	125°C	80K/W
■ Amber	DWA-MKG	612-627nm	50mA	70mA	10.7lm	1.90-2.65V	125°C	80K/W
■ Yellow	DWY-MKG	586-595nm	50mA	70mA	9.35lm	1.90-2.65V	125°C	80K/W
■ Super Red	DWS-MKG	627-639nm	50mA	70mA	5.1lm	1.90-2.65V	125°C	80K/W
□ White	DWW-EZKG	JKPL	30mA	50mA	8.3lm	2.65-3.30V	125°C	110K/W
□ White	DWW-KZKG	L1P2 (Single color bin)	60mA	80mA	16.3lm	2.90-3.50V	150°C	100K/W
■ InGaN Yellow	DWZY-KZKG	5E	60mA	80mA	13lm	2.90-3.50V	150°C	100K/W

Extreme Power DomiLED



3.2 x 3.0 x 1.9mm

Color	Part No.	$\lambda_d / C_x C_y$	I_F	$I_F(\text{max})$	Flux (typ)	V_F	$T_j(\text{max})$	$R_{th JS real}(\text{typ})$
■ Amber	D6A-SKG	612-627nm	140mA	200mA	26.8lm	1.90-2.50V	125°C	50K/W
■ Yellow	D6Y-SKG	586-595nm	140mA	200mA	23.5lm	1.90-2.50V	125°C	50K/W
■ Super Red	D6S-SKG	627-639nm	140mA	200mA	13.9lm	1.90-2.50V	125°C	50K/W
■ Green	D6G-SKG	580-586nm	140mA	200mA	15.8lm	1.90-2.65V	125°C	50K/W
□ White	D6W-VZKG	FMKM	140mA	250mA	51.7lm	2.70-3.60V	150°C	40K/W

PrimaxPlus 3735



3.7 x 3.5 x 0.8mm

Color	Part No.	$\lambda_d / C_x C_y$	I_F	$I_F(\text{max})$	Flux (typ)	V_F	$T_j(\text{max})$	$R_{th JS \text{ real}}(\text{typ})$
Amber	MAA-UZHG	612-627nm	350mA	400mA	82lm	1.90-2.65V	150°C	16K/W
Amber	MAA-WZHG	612-627nm	350mA	1A	76.5lm	1.90-2.65V	150°C	8K/W
Yellow	MAY-WZHG	586-595nm	350mA	1A	67.2lm	1.90-2.65V	150°C	8K/W
Super Red	MAS-WZHG	627-637nm	350mA	1A	59lm	1.90-2.65V	150°C	8K/W
White	MBWW-KZHG	L1P2 (Single color bin)	180mA	250mA	105lm	5.60-6.80V	150°C	13K/W

SpicePlus 2520



2.75 x 2.0 x 0.7mm

Color	Part No.	$\lambda_d / C_x C_y$	I_F	$I_F(\max)$	Flux (typ)	V_F	$T_j(\max)$	$R_{th JS real}(\text{typ})$
Amber	SVA-HHG	612-627nm	30mA	50mA	6.3lm	1.90-2.50V	135°C	45K/W
Yellow	SVY-HHG	583-598nm	30mA	50mA	7.15lm	1.90-2.50V	135°C	52K/W
Super Red	SVS-HHG	627-637nm	30mA	50mA	3.22lm	1.90-2.50V	135°C	45K/W
Amber	SVA-MHG	612-627nm	50mA	70mA	12.2lm	1.90-2.65V	135°C	25K/W
Yellow	SVY-MHG	583-595nm	50mA	70mA	10.7lm	1.90-2.65V	135°C	27K/W
Super Red	SVS-MHG	627-637nm	50mA	70mA	5.5lm	1.90-2.65V	135°C	25K/W
Amber	SVA-SHG	612-627nm	140mA	250mA	26.8lm	1.90-2.50V	150°C	17K/W
Yellow	SVY-SHG	583-595nm	140mA	250mA	26.8lm	1.90-2.50V	150°C	20K/W
Super Red	SVS-SHG	627-637nm	140mA	250mA	23.5lm	1.90-2.50V	150°C	17K/W
Amber	SVA-TZHG	612-627nm	350mA	500mA	67.2lm	1.90-2.65V	150°C	12K/W
Yellow	SVY-TZHG	583-595nm	350mA	500mA	59lm	1.90-2.65V	150°C	12K/W
Super Red	SVS-TZHG	627-637nm	350mA	500mA	39.8lm	1.90-2.65V	150°C	12K/W
Amber	SVA-WZHG	612-627nm	700mA	1A	129.2lm	2.00-2.80V	150°C	8K/W
Yellow	SVY-WZHG	583-595nm	700mA	1A	129.2lm	2.00-2.80V	150°C	8.8K/W
Super Red	SVS-WZHG	627-637nm	700mA	1A	87.4lm	2.00-2.80V	150°C	8K/W

PrimaxPlus Bi-Color



3.7 x 3.5 x 0.8mm

Color	Part No.	$\lambda_d / C_x C_y$	I_F	$I_F(\text{max})$	Flux (typ)	V_F	$T_j(\text{max})$	$R_{th JS \text{ real}}(\text{typ})$
Amber Yellow	MCAY-VZHG	612-627nm 586-595nm	140mA	200mA	30.6lm 26.8lm	1.90-2.50V	150°C	30K/W
Super Red Yellow	MCSY-VZHG	627-637nm 586-595nm	140mA	200mA	15.8lm 26.8lm	1.90-2.50V	150°C	30K/W
Amber Amber	MCAA-VZHG	612-627nm 612-627nm	140mA	200mA	30.6lm 30.6lm	1.90-2.50V	150°C	30K/W
Yellow White	MCYW-VZHG	586-595nm L1P2 (single bin)	140mA	200mA	26.8lm 45lm	1.90-2.50V 2.80-3.40V	150°C	30K/W 14K/W
Amber Yellow	MCAY-TZHG	612-627nm 586-595nm	350mA	400mA	67.2lm 45lm	1.90-2.65V	150°C	16K/W
Amber Amber	MCAA-TZHG	612-627nm 612-627nm	350mA	400mA	67.2lm 67.2lm	1.90-2.65V	150°C	16K/W
Super Red InGaN Yellow	MCSZY-VZHG	627-637nm 5F	140mA	200mA	18.1lm 30.6lm	1.90-2.50V 2.80-3.40V	150°C	30K/W 14K/W

Power Right Angle DomiLED



4.0 x 4.3 x 2.75mm

Color	Part No.	$\lambda_d / C_x C_y$	I_F	$I_F(\text{max})$	Flux (typ)	V_F	$T_j(\text{max})$	$R_{th JS \text{ real}}(\text{typ})$
■ Amber	D3A-MKG	612-627nm	50mA	70mA	10.7lm	1.90-2.65V	125°C	90K/W
■ Yellow	D3Y-MKG	586-595nm	50mA	70mA	8.2lm	1.90-2.65V	125°C	90K/W
■ Super Red	D3S-MKG	627-637nm	50mA	70mA	5.5lm	1.90-2.65V	125°C	90K/W
■ Amber	D3A-SKG	612-627nm	140mA	200mA	26.8lm	1.90-2.50V	150°C	60K/W
■ Yellow	D3Y-SKG	586-595nm	140mA	200mA	23.5lm	1.90-2.50V	150°C	60K/W
■ Super Red	D3S-SKG	627-637nm	140mA	200mA	13.9lm	1.90-2.50V	150°C	60K/W

Front Lighting



PrimaxPlus 3735



3.7 x 3.5 x 0.8mm

Color	Part No.	$\lambda_d / C_x C_y$	I_F	$I_F(\text{max})$	Flux (typ)	V_F	$T_j(\text{max})$	$R_{th JS \text{ real}}(\text{typ})$
□ White	MAW-SZHG	L1P2 (Single color bin)	150mA	200mA	45lm	2.90-3.45V	150°C	35K/W
□ White	MAW-EZHG	K1P2 (Single color bin)	150mA	200mA	51.7lm	2.80-3.30V	150°C	25K/W
□ White	MAW-PZHG	K1P2 (Single color bin)	150mA	300mA	59lm	2.70-3.20V	150°C	20K/W
■ InGaN Yellow	MAZY-SZHG	5F	150mA	200mA	30.6lm	2.90-3.45V	150°C	35K/W
■ InGaN Yellow	MAZY-PZHG	5F	150mA	300mA	39.8lm	2.70-3.20V	150°C	20K/W
□ White	MAW-KZHG	L1P2 (Single color bin)	250mA	300mA	78lm	2.90-3.40V	150°C	20K/W
□ White	MAW-YZHG	VNBN (Single color bin)	350mA	500mA	120lm	2.90-3.60V	150°C	12K/W
■ InGaN Yellow	MAZY-YZHG	5E5F	350mA	500mA	87.4lm	2.90-3.40V	150°C	12K/W



PrimaxPlus Bi-Color



3.7 x 3.5 x 0.8mm

Color	Part No.	$\lambda_d / C_x C_y$	I_F	$I_F(\text{max})$	Flux (typ)	V_F	$T_j(\text{max})$	$R_{th JS real}(\text{typ})$
InGaN Yellow White	MCZYW-VZHG	5F L1P2 (single bin)	140mA	200mA	34.8lm 45lm	2.80-3.40V	150°C	14K/W
InGaN Yellow White	MCZYW-KZHG	5F L1P2 (single bin)	250mA	300mA	45.2lm 76.5lm	2.90-3.30V	150°C	11K/W

NagaJo



2.7 x 2.5 x 0.99mm
(J2ZY)



2.7 x 2.5 x 0.84mm
(J2W)



2.0 x 2.5 x 0.99mm
(JAZY)



2.0 x 2.5 x 0.99mm
(J1ZY)



2.0 x 2.5 x 0.85mm
(J1W)



2.0 x 2.5 x 0.84mm
(JAW)



1.2 x 1.6 x 0.79mm
(JEW / JGW)

Color	Part No.	$\lambda_d / C_x C_y$	I_F	$I_F(\text{max})$	Flux (typ)	V_F	$T_j(\text{max})$	$R_{th JS \text{ real}}(\text{typ})$
□ White	JEW-EZHY	VNBN	150mA	300mA	55.4lm	2.80-3.60V	150°C	19K/W
□ White	JGW-HZHY	VNBN	350mA	700mA	138.4lm	2.90-3.40V	150°C	7.5K/W
□ White	JAW-PZHY	VNBN	700mA	1A	267lm	2.70-3.50V	150°C	4.5K/W
□ White	J1W-PZHY	VNDN	1A	1.5A	395lm	2.90-3.50V	150°C	4.2K/W
□ White	J2W-PZHY	VNBN	1A	1.5A	754lm	5.60-6.80V	150°C	2.7K/W
■ InGaN Yellow	J1ZY-PZHS	5H	1A	1.2A	205lm	2.90-3.50V	150°C	3.6K/W
■ InGaN Yellow	J2ZY-PZHS	5H	1A	1.2A	360lm	6.20(typ)	150°C	2.7K/W
■ InGaN Yellow	JAZY-PZHS	5H	700mA	1A	140lm	3.10(typ)	150°C	4.5K/W

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Innovating Illumination