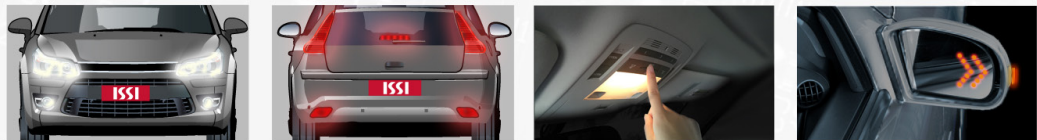
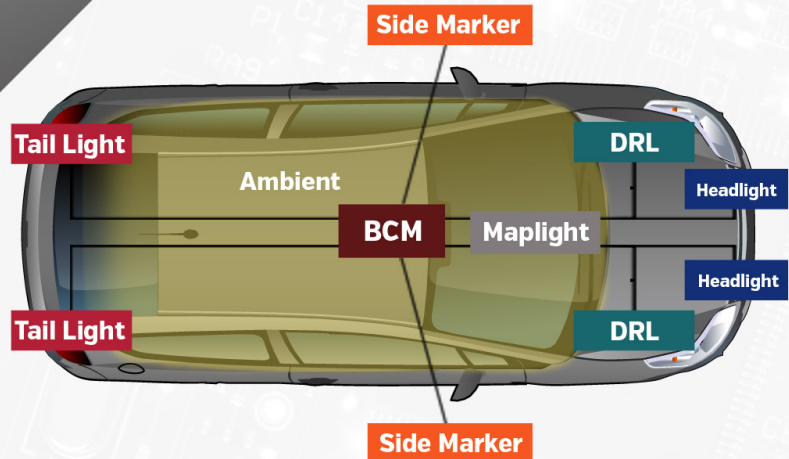




Long-Term Support
World Class Quality

Interior/Exterior Automotive Lighting Solutions

Automotive Lighting Solutions



Function	Part Number	Features
Tail Light	IS32LT3124	Four Channel, Fully Programmable Linear Driver with Headroom Control
	IS32LT3181	Six Channel Dual Intensity Linear Driver with Fault Detection
Side Marker	IS32LT3125	Single Channel, 250mA Linear Driver with Fault Detection
	IS32LT3126	Dual Channel, 150mA Linear Driver with Individual LED Detection
Map light	Family of LED drivers with integrated switch interface and programmable Fade ON/OFF	
	IS32LT3120	Dual LED Channel, 200mA Linear Driver
	IS32LT3128	Triple LED Channel with PWM Dimming
	IS32LT3129	Triple LED Channel with I2C Interface
	IS32LT3174	Single LED Channel, 200mA Linear Driver
Daytime Running Light (DRL)	IS32LT3175	Single LED Channel with PWM Dimming
	IS32LT3124	Four Channel, Fully Programmable Linear Driver with Headroom Control
	IS32LT3952	1.5A PWM Dimmable Buck Regulator with Spread Spectrum and Fault Protection
	IS32LT3953	3A PWM Dimmable Buck Regulator with Spread Spectrum and Fault Protection
Headlight	IS32LT3954	3A PWM Dimmable Buck Regulator with Spread Spectrum and Fault Reporting
	IS32LT3957	Controller Configurable as Boost or Buck-boost Operation
	IS32LT3953	3A PWM Dimmable Buck Regulator with Spread Spectrum and Fault Protection
Ambient	IS32LT3954	3A PWM Dimmable Buck Regulator with Spread Spectrum and Fault Reporting
	IS32LT3957	Controller Configurable as Boost or Buck-boost Operation
	IS32FL3209	18 Channel, 6 RGB LED Driver, 76mA per channel with white balance control
Ambient	IS32FL3738	48 LED or 16 RGB dot Matrix (6x8), with individual LED adjust and control
	IS32FL3740	12 LED or 4 RGB dot Matrix (3x4), with individual LED adjust and control



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Expanding Matrix LED Driver Offering

Part Number	4th Gen		3rd Gen			2nd Gen	1st Gen	
	IS31FL3741	IS31FL3742	IS31FL3733	IS31FL3737	IS31FL3736	IS31FL3732	IS31FL3731	IS31FL3730
Maximum LED Dot	351[39x9]	180[30x6]	192[16x12]	144[12x12]	96[8x12]	144[8x9x2]	144[8x9x2]	128[8x8x2]
RGB LED	117	60	64	48	32	48	48	NA
Scan Technology	Single scan	Single scan	Single scan	Single scan	Single scan	Multi-scan	Multi-scan	Dual scan
I2C Speed	1MHz	1MHz	1MHz	1MHz	1MHz	1MHz	400KHz	400KHz
I2C Address	4	4	16	16	16	16	4	4
Multi Chip Sync	No	No	Yes	Yes	Yes	Yes	No	No
Integrated RAM Loop	No	No	No	No	No	Yes	Yes	No
Audio Modulated	No	No	No	No	No	Yes	Yes	No
Auto Breath Control	3 Pattern group	3 Pattern group	3 Pattern group	3 Pattern group	3 Pattern group	Global	Global	No
Register Lock	Yes	Yes	Yes	Yes	Yes	No	No	No
Anti-Ghost	Yes	Yes	Yes	Yes	Yes	No	No	No
Noise Reduction	Yes	Yes	No	No	No	No	No	No
Open/Short Detect	Yes	Yes	Yes	Yes	Yes	No	No	No
Each Dot PWM	8-Bit	8-Bit	8-Bit	8-Bit	8-Bit	8-Bit	8-Bit	No
Global PWM	256	256	256	256	256	256	No	15x128
Separate Analog/Digital Vcc	Yes	Yes	Yes	Yes	Yes	Yes	No	No
Package	QFN60 [7x7]	QFN48 [6x6]	QFN48[6x6] LQFP48	QFN40[5x5]	QFN40[5x5]	QFN40[5x5]	QFN28[4x4] SSOP28	QFN24[4x4]

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Control hundreds of LEDs with Smart & Compact Drivers