

# Infusion™ LED Module



# The LED Light Engine of the Future

The GE Infusion™ LED module opens up a world of new lighting possibilities. The long-lasting, low maintenance twist-in LED module is one of the most flexible lighting solutions available today-and tomorrow. Because as LED technology advances, your luminaires can easily house future generations of the Infusion LED module. It's the perfect energy-saving solution for retail, gallery and other environments where quality of light is critical.



## Twist-in Installation

The Infusion LED Module is the smallest twist-in module on the market, making it easy to install, service and upgrade at anytime.

## 3 Module Varieties

With three module varieties – Narrow Punch, Gen3 Spot, and Down Light – there's an infusion module for virtually any lighting application. Better yet, they all use the exact same Zhaga-compliant mounting socket.

## 5 Lumen Packages

GE offers a wide-range of lumen options (1000 – 4500 lumens), delivering the flexibility to meet your specific lighting and energy needs.

## Built for The Future

If your needs change or LED technology advances, there's no need to buy new luminaires. Just upgrade to the next generation of the GE Infusion LED Module.

## Color Consistency

With high CRI {80 or 90} and color temperature options {2700K, 3000K, or 4000K}, you'll enjoy crisp white light for all your application needs.

## Highly Adaptable

Whether you're designing for track, recessed, pendant or other types of luminaires, the Infusion LED module gives you one compatible base design to build around.

## Dimming Options

With a variety of dimming protocols, including 0-10V, Phase and DALI, the Infusion LED module allows you to select light levels or energy consumption levels based on your needs.

## Explore Infusion Online

[www.gelighting.com/infusion](http://www.gelighting.com/infusion)

See the Infusion LED Module in action and discover a world of lighting possibilities online.

- Image gallery
- Luminaire gallery
- Applications guide
- Product video
- System Photometric files
- System CAD drawings

# Infusion™ Gen3 Spotlight Modules

## M1000 – M4500 Series

Infusion™ Gen3 LED spotlight modules take Infusion to new heights with higher lumen packages and efficacy, making Infusion Gen3 LED modules the perfect solution for your directional lighting needs.

### Features & Benefits

- Wide range of different lighting solutions for one platform
- Module solution for quick, tool-free upgrading
- 850 – 4500 lumens
- 2700K, 3000K, 4000K options
- Standard 80 CRI, Ultra 90 CRI available



### Module

Product Code	Description	Rated Lumens	Rated Watts	Rated LPW	CCT (K)	CRI	Color Consistency (Mac Adam Ellipse)	Rated Life (L70 Hrs.)	Drive Current (mA)	Body Color
<b>M1000 Series</b>										
98792	M1000/827/W/G3	975	13	75	2700	> 80	< 4-Step	50,000	700	White
98793	M1000/830/W/G3	1050	13	81	3000	> 80	< 4-Step	50,000	700	White
98794	M1000/930/W/G3	850	13	65	3000	> 87	< 2-Step	50,000	700	White
98795	M1000/840/W/G3	1125	13	87	4000	> 80	< 4-Step	50,000	700	White
<b>M1500 Series</b>										
98796	M1500/827/W/G3	1425	20	71	2700	> 80	< 4-Step	50,000	700	White
98797	M1500/830/W/G3	1525	20	76	3000	> 80	< 4-Step	50,000	700	White
98798	M1500/930/W/G3	1250	20	63	3000	> 87	< 2-Step	50,000	700	White
98799	M1500/840/W/G3	1625	20	81	4000	> 80	< 4-Step	50,000	700	White
<b>M2000 Series</b>										
98800	M2000/827/W/G3	1900	27	70	2700	> 80	< 4-Step	50,000	1400	White
98801	M2000/830/W/G3	2025	27	75	3000	> 80	< 4-Step	50,000	1400	White
98802	M2000/930/W/G3	1650	27	61	3000	> 87	< 2-Step	50,000	1400	White
98803	M2000/840/W/G3	2175	27	81	4000	> 80	< 4-Step	50,000	1400	White
<b>M3000 Series</b>										
98804	M3000/827/W/G3	2775	40	69	2700	> 80	< 4-Step	50,000	1400	White
98805	M3000/830/W/G3	2975	40	74	3000	> 80	< 4-Step	50,000	1400	White
98806	M3000/930/W/G3	2425	40	61	3000	> 87	< 2-Step	50,000	1400	White
98807	M3000/840/W/G3	3175	40	79	4000	> 80	< 4-Step	50,000	1400	White
<b>M4500 Series</b>										
98463	M4500/827/W/N	3800	50	76	2700	> 80	< 4-Step	50,000	1400	White
98464	M4500/830/W/N	4200	50	84	3000	> 80	< 4-Step	50,000	1400	White
98465	M4500/930/W/N	3300	50	66	3000	> 87	< 2-Step	50,000	1400	White
98466	M4500/840/W/N	4500	50	90	4000	> 80	< 4-Step	50,000	1400	White

# Infusion™ Gen3 Spotlight Modules

## Accessories

Infusion™ Gen3 Spotlight modules are available with a range of GE-designed optics that deliver precise, smooth beam control. The optics feature a twist-lock interface for easy, tool-free attachment to the Infusion module. Optics are available from 15° spot up to 60° very wide flood. Beam angle options vary by module.

## Features & Benefits

- GE-designed for optimal, consistent performance
- Twist-on for easily changing beam angles
- Low glare
- 15 - 60° options
- 1,000 - 16,000 CBCP
- White & black available



## Optics

Product Code	Description	Body Color	Corresponding Module Series	Beam Category	Nominal Beam Angle (°)	CBCP*	Diameter (mm)	Height (mm)
97204	OP1000/SP/W	White	M1000	Spot	15	10,500	100	70
97205	OP1500/SP/W	White	M1500	Spot	15	15,000	100	70
97208	OP1000/1500/FL/W	White	M1000 / M1500	Flood	25 / 25	4,000 / 5,100	75	43
97208	OP3000/WFL/W	White	M3000 / M4500	Wide Flood	35 / 35	5,800 / 7,500	75	43
97206	OP1000/1500/WFL/W	White	M1000 / M1500	Wide Flood	35 / 35	2,600 / 3,200	75	43
97207	OP1000/1500/VWFL/W	White	M1000 / M1500	Very Wide Flood	55 / 55	1,200 / 1,500	75	43
64996	OP2000/3000/FL/W	White	M2000 / M3000 / M4500	Flood	25 / 25 / 25	5,300 / 6,100 / 8,000	75	43
64995	OP2000/WFL/W	White	M2000	Wide Flood	35	3,400	75	43
64994	OP2000/3000/VWFL/W	White	M2000 / M3000 / M4500	Very Wide Flood	55 / 55 / 55	2,100 / 2,700 / 3,700	75	43
65292	OP1000/SP/B	Black	M1000	Spot	15	10,500	100	70
65293	OP1500/SP/B	Black	M1500	Spot	15	15,000	100	70
65294	OP1000/1500/FL/B	Black	M1000 / M1500	Flood	25 / 25	4,000 / 5,100	75	43
65294	OP3000/WFL/B	Black	M3000 / M4500	Wide Flood	35 / 35	5,800 / 7,500	75	43
65295	OP1000/1500/WFL/B	Black	M1000 / M1500	Wide Flood	35 / 35	2,600 / 3,200	75	43
65296	OP1000/1500/VWFL/B	Black	M1000 / M1500	Very Wide Flood	55 / 55	1,200 / 1,500	75	43
65297	OP2000/3000/FL/B	Black	M2000 / M3000 / M4500	Flood	25 / 25 / 25	5,300 / 6,100 / 8,000	75	43
65298	OP2000/WFL/B	Black	M2000	Wide Flood	35	3,400	75	43
65301	OP2000/3000/VWFL/B	Black	M2000 / M3000 / M4500	Very Wide Flood	55 / 55 / 55	2,100 / 2,700 / 3,700	75	43

\*CBCP with Gen3 modules

## Holders

Product Code	Description	Body Color	Leads	Lead Length (mm)	Lead Insulation
61450	MACCO7HOLDERW	White	No	N/A	N/A
66233	MHOLDERW/PVC600	White	Yes	600	PVC
78835	MACCO7HOLDERB	Black	No	N/A	N/A
66232	MHOLDERB/PVC600	Black	Yes	600	PVC

# Infusion™ NPM (Narrow Punch Module)

## Accessories

The GE Infusion™ NPM (Narrow Punch Module) Series represents a major breakthrough in LED-based accent lighting, delivering a high intensity, narrow spot beam that brings real drama and impact to retail, galleries, and other display applications.

## Features & Benefits

- Small, high-intensity LED source
- Proprietary GE designed optics for max performance
- 10-12° beam
- 20,000 - 30,000 CBCP
- 2700K, 3000K, 4000K options
- Standard 80 CRI, Ultra 90 CRI available



## Module

Product Code	Description	Rated Lumens	Rated Watts	Rated LPW	CCT (K)	CRI	Color Consistency (Mac Adam Ellipse)	Rated Life (L70 Hrs.)	Drive Current (mA)	Body Color
<b>NPM Series</b>										
98471	MP30/827/W/N	1300	25	52	2700	> 80	< 4-Step	50,000	700	White
98472	MP30/830/W/N	1400	25	56	3000	> 80	< 4-Step	50,000	700	White
98473	MP30/930/W/N	1100	25	44	3000	> 87	< 2-Step	50,000	700	White
98474	MP30/840/W/N	1500	25	60	4000	> 80	< 4-Step	50,000	700	White

## Optics

Product Code	Description	Body Color	Corresponding Module Series	Beam Category	Nominal Beam Angle (°)	CBCP	Diameter (mm)	Height (mm)
98477	OP30/SP/75MM/W	White	NPM	Narrow Spot	12	20,000	75	43
98478	OP30/SP/100MM/W	White	NPM	Narrow Spot	10	30,000	100	71
98475	OP30/SP/75MM/B	Black	NPM	Narrow Spot	12	20,000	75	43
98476	OP30/SP/100MM/B	Black	NPM	Narrow Spot	10	30,000	100	71



# Infusion™ DLM (Down Light Module)

## DLM1000 - DLM4000 Series

The Infusion™ DLM (Down Light Module) series is the ideal ambient lighting solution for high-end retail, hospitality and commercial office applications. Infusion DLM features outstanding efficacy and color rendering across the entire series, and with lumen levels approaching 4000, it's also ideal for high-ceiling applications.

### Features & Benefits

- 1000 - 3925 lumens
- 92 CRI across entire range with extremely high R9
- 77 > 81 LPW
- Light distribution and key dimension match existing downlight modules
- Easy luminaire conversion



Infusion DLM

Holder

### Module

Product Code	Description	Rated Lumens	Rated Watts	Rated LPW	CCT [K]	CRI	Color Consistency (Mac Adam Ellipse)	Rated Life (L70 Hrs.)	Drive Current (mA)	Body Color
<b>DLM1000 Series</b>										
99607	DLM1000/927	1000	13	77	2700	92	4-Step	50,000	700	White
99608	DLM1000/930	1000	13	77	3000	92	4-Step	50,000	700	White
99609	DLM1000/935	1000	13	77	3500	92	4-Step	50,000	700	White
99610	DLM1000/940	1000	13	77	4000	92	4-Step	50,000	700	White
<b>DLM1500 Series</b>										
99611	DLM1500/927	1475	19	78	2700	92	4-Step	50,000	700	White
99612	DLM1500/930	1475	19	78	3000	92	4-Step	50,000	700	White
99613	DLM1500/935	1475	19	78	3500	92	4-Step	50,000	700	White
99614	DLM1500/940	1475	19	78	4000	92	4-Step	50,000	700	White
<b>DLM2000 Series</b>										
99615	DLM2000/927	2000	25	80	2700	92	4-Step	50,000	700	White
99616	DLM2000/930	2000	25	80	3000	92	4-Step	50,000	700	White
99617	DLM2000/935	2000	25	80	3500	92	4-Step	50,000	700	White
99618	DLM2000/940	2000	25	80	4000	92	4-Step	50,000	700	White
<b>DLM3000 Series</b>										
99619	DLM3000/927	3000	37	81	2700	92	4-Step	50,000	1400	White
99620	DLM3000/930	3000	37	81	3000	92	4-Step	50,000	1400	White
99621	DLM3000/935	3000	37	81	3500	92	4-Step	50,000	1400	White
99622	DLM3000/940	3000	37	81	4000	92	4-Step	50,000	1400	White
<b>DLM4000 Series</b>										
99623	DLM4000/927	3925	49	80	2700	92	4-Step	50,000	1400	White
99624	DLM4000/930	3925	49	80	3000	92	4-Step	50,000	1400	White
99625	DLM4000/935	3925	49	80	3500	92	4-Step	50,000	1400	White
99626	DLM4000/940	3925	49	80	4000	92	4-Step	50,000	1400	White

# GE Lightech™ LED Drivers

## For Infusion Modules

GE Lightech™ LED drivers are the perfect solution for powering an Infusion™ LED module system. With GE Lightech drivers, you'll be guaranteed module compatibility, along with leading-edge technology and efficiency, with a design that's built to last.

## Features & Benefits

- Optimized design for Infusion LED Modules
- 0-10V and phase control dimming options
- Universal input voltage options
- Wide power range
- Highly efficient
- Side lead and bottom feed options



Lightech 36W LED Driver



Lightech 60W LED Driver

## Lightech Drivers for Infusion Modules

Product Code	Description	Wiring	Safety	Compatible Module Series	Dimming
66884	LED 18 CC 700 PU	Side lead	Class 2	M1000	Trailing Edge
66883	LED 18 CC 700 BF	Bottom feed	Class 2	M1000	Trailing Edge
66904	LED 36 CC 700 PU	Side lead	Class 2	M1500, NPM	Trailing Edge
66905	LED 36 CC 700 BF	Bottom feed	Class 2	M1500, NPM	Trailing Edge
66898	LED 36 700 120 D PU	Side lead	Class 2	M1500, NPM, DLM1000, DLM1500, DLM2000	Leading/ Trailing Edge
66899	LED 36 700 120 D BF	Bottom feed	Class 2	M1500, NPM, DLM1000, DLM1500, DLM2000	Leading/ Trailing Edge
60724	GELD60DMV1500PU	Side lead	Class 2	M2000, M3000, M4500, DLM3000, DLM4500	0-10V

Infusion LED modules are also compatible with 3<sup>rd</sup> party LED drivers.

Visit [www.gelighting.com/infusion](http://www.gelighting.com/infusion) for Lightech driver specifications and for a complete list of compatible 3<sup>rd</sup> party drivers.



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