

Product Portfolio



Exceptional LED Lighting Technology

Welcome to Lighting Science

The Future of LED Lighting, Today

Change is the only constant we can count on today - change in our markets, climate, politics and in how we consume energy. Recent events are fundamentally transforming the paradigms about the economy, global trade and most importantly regarding climate change and consumption. These forces also contribute to an era of innovation that will transform how we heat homes, conserve water and illuminate our lives.

Lighting Science (LSG) is playing a leading role in this culture of innovation. We strive to become the global provider of intelligent, environmentally-friendly LED lighting solutions for professional and consumer applications. This dream relies on the worldwide dedication of adopting solutions that both protect the environment and conserve the world's resources.

Lighting plays an important role in our lives, from homes and hospitals to schools, offices, factories, stores and roadways. Lighting enables us to perform our daily tasks as well as tailor any environment.

We take great pride in our patented and patent-pending LED lighting solutions that are engineered to enhance lighting performance, reduce energy consumption, lower maintenance costs and eliminate the use of hazardous materials. LEDs represent a paradigm shift in lighting. At Lighting Science we want to change the way the world experiences lighting. In this brochure you will find examples of lighting solutions for architectural, commercial, and industrial applications.

At Lighting Science, we like to say we offer the innovation to match your imagination. Through collaborative partnerships with industry leading partners, architects and lighting designers from all around the world, Lighting Science can engineer today's lighting projects with a greener future in mind.

Sincerely,

Zachary S. Gibler

Zachary S. Gibler
CEO

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Architectural

› Inspired Radiance



› Linear › Linear › X16 Dotz › Xtreme Tube › Color Tile › FlexiLume › Flat RGB* › X16 Bar

› High output LED's generate white or dynamic color changing washes of light in tight optical patterns
› Next generation Linear with improved efficiency, enhanced optics, and multiple output offerings coming fourth quarter 2009

› Advanced optics that deliver maximum illumination

› Strands of individually addressable, dynamic, color changing LED's
› Versatile, configurable and customizable

› Dynamic RGB or white LED strip
› Rugged design for harsh environments applications

› Color and white LED panels for animated and video effects

› Flexible, versatile, linkable

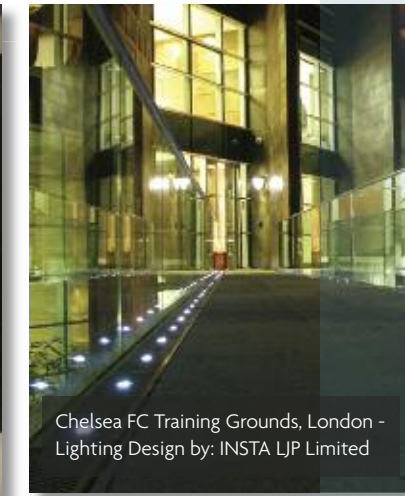
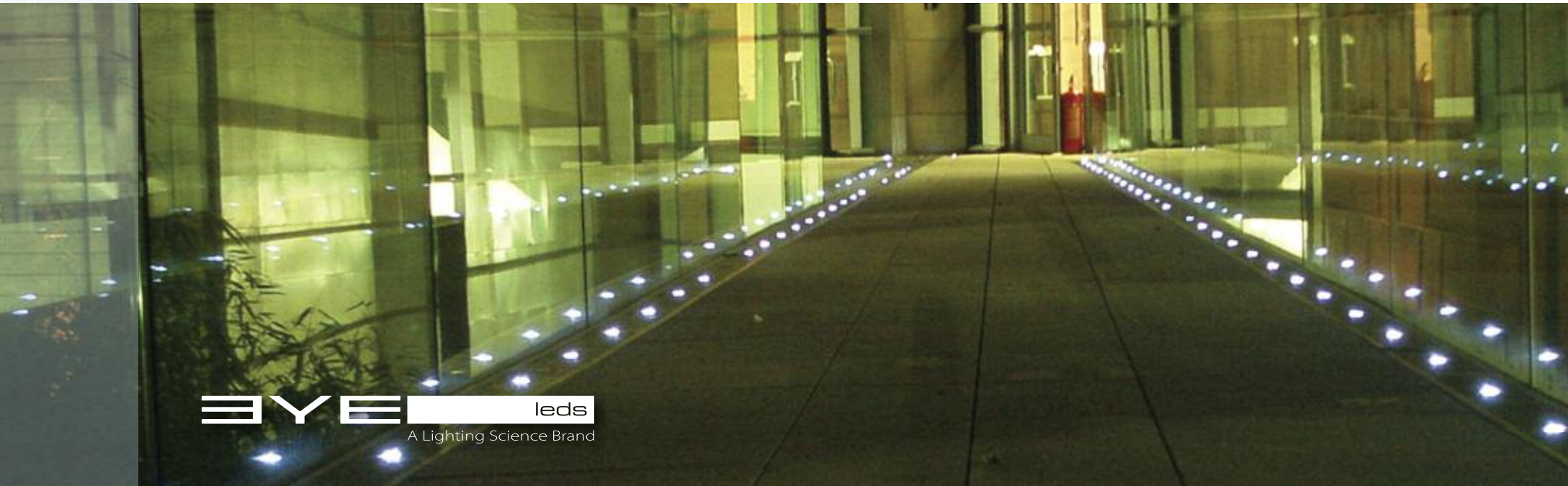
› Low profile, linear LED fixture featuring high color quality color illumination & dynamic color changing effects

› Low profile RGB cove light with multiple controller options for dynamic color changing effects.

	Asymmetric		Wide, Medium, Narrow		Low Output		High Output				
Output Lumens	CW	1330 lm/ft	750 lm/ft	—	70 lm/ft	300 lm/ft	45 lm/tile	—	40 lm/module	—	—
	WW	810 lm/ft	680 lm/ft	—	60 lm/ft	250 lm/ft	31 lm/tile	—	28 lm/module	—	—
	RGB	1410 lm/ft	390 lm/ft	5 lm/pixel	70 lm/ft	300 lm/ft	140 lm/tile	—	—	73 lm/ft	37 lm/module
Power Consumption	CW	47 W/ft	58 W/ft	—	3 W/ft	8W/ft	2.4 W/tile	—	2 W/module	—	—
	WW	46 W/ft	59 W/ft	—	3 W/ft	8W/ft	2.4 W/tile	—	2 W/module	—	—
	RGB	43 W/ft	48 W/ft	0.72 W/ft (60 mA /pixel)	4 W/ft	8W/ft	8.4 W/tile	—	—	4 W/ft	1.68 W/module
Color Temp	CW	5500K	5500K	—	4100K	4100K	5500K	—	5500K	—	—
	WW	3100K	3000K	—	2900K	2900K	3000K	—	3000K	—	—
	NW	4100K	4100K	—	—	—	—	—	—	—	—
Life	50,000 hours	50,000 hours	75,000 hours	75,000 hours	75,000 hours	75,000 hours	50,000 hours	—	45,000 hours	50,000 hours	75,000 hours
Beam	10°x100°	10°x10°, 22°x22°, 42°x42°	—	120°	120°	—	—	—	—	100°	100°x30°, 100°x100°
Certification	RoHs, UL	RoHs, UL	RoHs, CE	RoHs	RoHs	RoHs	RoHs	—	UL, CE	RoHs	—
Environment	IP66 Pending	IP66 Pending	IP67	IP68	IP68	IP68	Pending	—	IP67	Indoor Use Only	Indoor Use Only
Voltage	100-240VAC	100-240VAC	7-12VDC	24VDC	24VDC	24VDC	24VDC	—	12VDC	20-24VDC	24VDC

Architectural – Eyeleds™

> Elevated Innovation



EYE leds
A Lighting Science Brand



> Multi

> Innovative LED marker lighting system in linkable units

> Floorleds

> Innovative LED marker lighting system in linkable units

> Specially designed for flooring applications, requires a floor thickness of only 5/16"

> PowerEYE

> High output LED, ultra-flat, recessed surface lighting systems for task and accent

> Outdoor

> Exterior, recessed, flush mounted LED surface lighting system

> Available in Outdoor Basic, Pro, and Extreme Series

> ColorEYE

> Low profile, RGB LED, recessed surface lighting system

> MiniBeamEYE

> Miniaturized design to fit in small spaces and create accent and task lighting effects

> BeamEYE

> High performance task and accent lighting luminaire

> SpaceEYE

> Surface or recessed luminaire for general and accent lighting

> DiscEYE

> Surface or recessed luminaire for general and accent lighting

	> Multi	> Floorleds	> PowerEYE	> Outdoor	> ColorEYE	> MiniBeamEYE	> BeamEYE	> SpaceEYE	> DiscEYE
Output Lumens	CW 3 lm (square) 2 lm (round) WW – RGB –	3 lm (square) 2 lm (round) – –	24 lm 18 lm –	2 lm – –	– – 2 lm (round)	120 lm 90 lm –	250 lm 200 lm –	290 lm 240 lm –	150 lm 110 lm –
Power Consumption	CW 0.3 W (round), 0.6 W (square) WW – RGB –	0.3 W (round), 0.6 W (square) – –	1.5 W 1.5 W –	0.3 W – –	– – 0.8 W	2.5 W 2.5 W –	5 W 5 W –	6 W 6 W –	3 W 3 W –
Life	100,000 hours	100,000 hours	50,000 hours	100,000 hours	100,000 hours	100,000 hours	100,000 hours	100,000 hours	100,000 hours
Certification	CE, cUL	CE, cUL	CE, (UL & cUL-Pending)	cUL, CE	CE	CE	CE	CE	CE
Environment	IP67	IP67	IP67	IP67	IP67	IP60	IP60	IP64	IP64
Voltage	12VDC	12VDC	12VDC	12VDC	28VDC	8-30VDC	11-30VDC	12-30VDC	12-30VDC

Retail – Symetrie

› Dependable Brilliance



› Flat

- › Free of UV and IR emissions - will not heat or discolor objects or surfaces
- › Intense, uniform illumination
- › High efficiency and longer life reduces utility, maintenance, operational and environmental costs

› Slim

- › Free of UV and IR emissions - will not heat or discolor objects or surfaces
- › 180-degree aiming with 0.55" x 0.64" low profile
- › Intense, uniform illumination
- › High efficiency and longer life reduces utility, maintenance, operational and environmental costs

›Round

- › Free of UV and IR emissions - will not heat or discolor objects or surfaces
- › Intense, uniform illumination
- › High efficiency and longer life reduces utility, maintenance, operational and environmental costs
- › 180-degree aiming

› Corner

- › Free of UV and IR emissions - will not heat or discolor objects or surfaces
- › Intense, uniform illumination
- › High efficiency and longer life reduces utility, maintenance, operational and environmental costs

Output Lumens	CW	340 lm/ft	160 lm/ft	320 lm/ft	320 lm/ft
	WW	270 lm/ft	130 lm/ft	240 lm/ft	240 lm/ft
	NW	280 lm/ft	160 lm/ft	260 lm/ft	260 lm/ft
Power Consumption	CW	7 W/ft	3 W/ft	7 W/ft	7 W/ft
	WW	7 W/ft	3 W/ft	7 W/ft	7 W/ft
	NW	6 W/ft	3 W/ft	6 W/ft	6 W/ft
Color Temp	CW	5200K	5200K	5200K	5200K
	WW	2950K	2950K	2950K	2950K
	NW	4100K	4100K	4100K	4100K
CRI	CW	70	70	70	70
	WW	78	78	78	78
	NW	70	70	70	70
Life		50,000 hours	50,000 hours	50,000 hours	50,000 hours
Certification		RoHs, CE, UL, cUL, ETL	RoHs, CE, UL, cUL, ETL	RoHs, CE, UL, cUL, ETL	RoHs, CE, UL, cUL, ETL
Environment		Indoor Only	Indoor Only	Indoor Only	Indoor Only
Voltage		21.5-24VDC	21.5-24VDC	21.5-24VDC	21.5-24VDC

Retail

> Intelligent Design



> Nissi 50 Recess

> Sustainable and energy-efficient LED luminaire

> Nissi 50 Monopoint

> Compact high performance

> Nissi Track

> Elegant low profile design suited for recess lighting applications

> High Performance

> Nissi 70

> Clean, sophisticated lines blend seamlessly

> 50mm Retrofit

> Create dramatic illumination on surfaces while consuming less energy.

> Mytos 70 Antiglare

> Uniform illumination to improve visibility

> Cyclos 50

> Longer system life reduces maintenance cost

> Frame 50

> High output sustainable technology in recess lighting

P E N D I N G

P E N D I N G

	Nissi 50 Recess	Nissi 50 Monopoint	Nissi Track	Nissi 70	50mm Retrofit	Mytos 70 Antiglare	Cyclos 50	Frame 50
Candelas								
Power Consumption								
CW	—	—	—	35 W	8 W	—	—	—
WW	8 W	8 W	8 W	35 W	8 W	35 W	8 W	8 W
NW	8 W	8 W	8 W	—	—	35 W	8 W	8 W
Color Temp								
CW	—	—	—	4000K	3000K	—	—	—
WW	3000K	3000K	3000K	3000K	4000K	3000K	3000K	3000K
NW	4000K	4000K	4000K	—	—	4000K	4000K	4000K
CRI								
CW	—	—	—	84	84	—	—	—
WW	84	84	84	84	84	84	84	84
NW	84	84	84	—	—	84	84	84
Life	35,000 hours	35,000 hours	35,000 hours	70,000 hours	35,000 hours	70,000 hours	35,000 hours	35,000 hours
Beam	10°, 24°, 45°	10°, 25°, 45°	10°, 25°, 45°	25°	10°, 25°	25°, 45°	10°, 25°	10°, 25°
Certification	CE, ENEC-Pending, RoHs, Kema	CE, ENEC-Pending, RoHs, Kema	CE, ENEC-Pending, RoHs, Kema	CE, ENEC-Pending, RoHs, Kema	CE, ENEC-Pending, RoHs, Kema	CE, ENEC-Pending, RoHs, Kema	CE, ENEC-Pending, RoHs, Kema	CE, ENEC-Pending, RoHs, Kema
Environment	Indoor only	Indoor only	Indoor only	Indoor only	Indoor only	Indoor only	Indoor only	Indoor only
Voltage	220-240VDC	220-240VDC	220-240VDC	220-240VDC	220-240VDC	220-240VDC	220-240VDC	220-240VDC

Commercial Industrial – SōL™

› Extraordinary Results



Orange County Performing Arts Center
Costa Mesa, CA
Lighting Designer: Cline Bettridge
Bernstein Lighting Design



› SōL R38

› Delivers superior quality, uniform illumination

› SōL R30

› Up to 50,000 hours reduces maintenance and disposal costs

› SōL R20

› Environmentally friendly with no mercury or other hazardous materials

› SōL MR16DM

› GU5.3 - Dimmable MR16 with no UV or IR emissions

› SōL MR16DM GU10*

› GU10- Dimmable MR16

› SōL MR16

› Delivers illumination using up to 76% less energy than halogen

› SōL G25

› Sustainable technology and unique design

	SōL R38	SōL R30	SōL R20	SōL MR16DM	SōL MR16DM GU10*	SōL MR16	SōL G25
Output Lumens	830 lm	720 lm	–	Pending	240 lm	250 lm	–
Power Consumption	15 W	13 W	–	8 W	8 W	5 W	–
Color Temp	4700K	4700K	–	Pending	Pending	4700K	–
CRI	75	75	–	82	82	75	–
Life	50,000 hours	50,000 hours	50,000 hours	50,000 hours	50,000 hours	35,000 hours	35,000 hours
Beam	30°	30°	25°	20°, 35°	35°, 20°	36°	120°
Certification	UL, ETL, FCC, RoHs	UL, ETL, FCC, RoHs	RoHs, UL, cUL, ETL, FCC	UL, CE, RoHs	RoHs (UL, CE, ETL pending)	RoHs	RoHs
Dimmability	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Voltage	120VAC	120VAC	120VAC	12VAC	120VAC & 230VAC	12VAC	120VAC

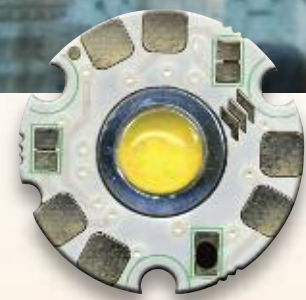
Commercial Industrial

> Unrivaled Performance

Shri Swaminarayan Mandir Temple, Liburn Georgia



Light Fixtures by North Star Lighting. Photos courtesy BAPS Media Relations. Temple Designers - Bharat Patel and Sanjay Parikh. Principal Architect: Smallwoods, Reynolds, Stewart & Stewart



> Atlas

> Lighting Science light engines provide designers with unparalleled ease of design and integration

> Titan

> Superior thermal performance offers long-life, high-lumen maintenance and outstanding reliability

> Titan Turbo

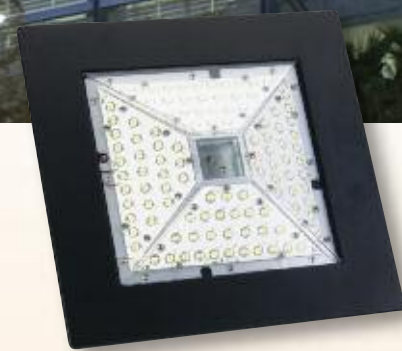
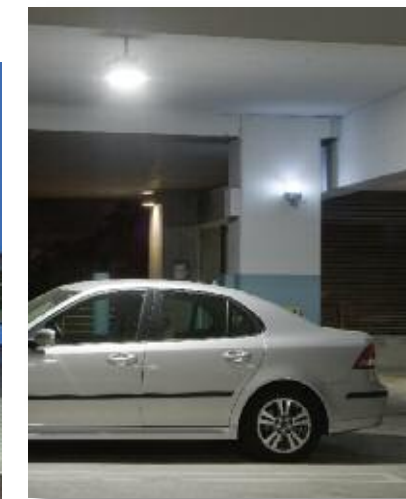
> Emits no UV or IR in the light beam protecting illuminated surfaces
> High output

Output Lumens	CW	240 lm	1150 lm	1850 lm
	WW	250 lm	770 lm	1060 lm
	RGB	R-70 lm, G-110 lm, B-30 lm	R-300 lm, G-530 lm, B-130 lm	—
Power Consumption	CW	5–8 W	21 W	24–56 W
	WW	5–8 W	21 W	24–56 W
	RGB	R-2.0 W, G-3.0 W, B-3.0 W	R-7.0 W, G-12.0 W, B 11.0 W	—
Color Temp	CW	4700K	4700K	4700K
	WW	3050K	3050K	3050K
	RGB	R (620 nm), G (530 nm), B (470 nm)	R (620 nm), G (530 nm), B (470 nm)	—
CRI	CW	66	68	68
	WW	80	80	85
Certification		UL, cUL	UL, cUL	UL, cUL
Voltage		4-7VDC	7-22VDC	7-22VDC

Public Infrastructure

> Wide-Reaching Illumination

Arizona State University - Phoenix, Arizona



> LowBay

- > Provides superior illumination with less energy than traditional sources
- > Excellent light distribution for improved visibility, safety, and facility appearance

> Flat LowBay

- > Provides superior illumination with ideal Type V distribution with less energy than traditional sources
- > Micro optics provide superior light control and reduce glare

> BayLume

- > Extra wide light distribution for maximum coverage using fewer fixtures
- > Excellent light distribution for improved visibility, safety, and facility appearance

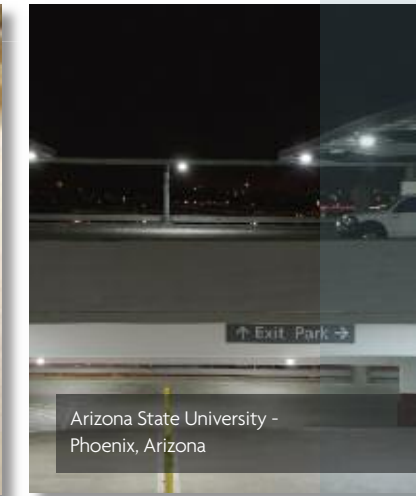
> WallPack

- > Versatile and distinct LED security luminaire
- > Up to three times longer life at approximately half the energy consumption of conventional sources

		LowBay	Flat LowBay	BayLume	WallPack
Output Lumens	CW	4700 lm	6350 lm	48" (1225mm) 6700 lm	24" (616mm) 3350 lm
	WW	—	—	—	—
	NW	—	—	—	—
Power Consumption	CW	78 W	86 W	102 W	51 W
	WW	—	—	—	—
	NW	—	—	—	—
Color Temp	CW	5500K	5700K	4700K	4700K
	WW	—	—	—	—
	NW	—	—	—	—
CRI	CW	75	75	70	70
	WW	—	—	—	—
	NW	—	—	—	—
Life		50,000 hours	50,000 hours	50,000 hours	50,000 hours
Certification		RoHs, CE, ETL, UL, cUL, FCC	RoHs, CE, ETL, UL, cUL, FCC	RoHs, ETL (CE, UL & cUL-Pending)	RoHs, ETL (CE, UL & cUL-Pending)
Environment		IP66	IP66	IP66	IP66
Voltage		100-277VAC	100-277VAC	100-277VAC	100-277VAC

Public Infrastructure – Prolific™ Series

> Redefined Endurance



Arizona State University - Phoenix, Arizona

> NYC Streetlight

> Provides LED- based lighting solutions for the public infrastructure space, including roadway lighting, residential street lighting, parking garages and parking areas, public common areas, and city street lighting

> RoadWay

> Combines revolutionary design with high performance & structural integrity
 > Delivers uniform, color correct illumination to improve visibility while reducing energy consumption
 > Easily retrofits to standard 1-1/4" to 2" mast arms

> Area

> Superior performance and maintenance free lighting provides a versatile solution for area lighting applications
 > Good color rendering for enhanced visibility and safety

		LSR1	LSR2	LSR3	LSR4	
Output Lumens	cw 7,700 lm; 12,000 lm	4040 lm	5450 lm	8160 lm	10,820 lm	6350 lm
Power Consumption	cw 61 W; 106 W	50 W	75 W	100 W	150 W	86 W
Color Temp	cw 5000K	5600K	5600K	5600K	5600K	5700K
CRI	cw 63	70	70	70	70	75
Life	50,000 hours	60,000 hours (L70)	60,000 hours (L70)	60,000 hours (L70)	60,000 hours (L70)	50,000 hours
Distribution	Type II medium semicutoff	Type II & III medium full cutoff	Type II & III medium full cutoff	Type II & III medium full cutoff	Type II & III medium full cutoff	Type V full cutoff
Certification	RoHS, (Pending UL, CE, ETL)	RoHS, (Pending UL, CE, ETL)	RoHS, (Pending UL, CE, ETL)	RoHS, (Pending UL, CE, ETL)	RoHS, (Pending UL, CE, ETL)	RoHS, (Pending UL, CE, ETL)
Environment	IP66-Pending	IP66	IP66	IP66	IP66	IP66 - Pending
Voltage	120-277VAC	120-277VAC	120-277VAC	120-277VAC	120-277VAC	100-277VAC



Florida

1227 S. Patrick Drive, BLDG 2A
Satellite Beach, FL 32937
t: 321.779.5520
f: 321.779.5521

California

11390 Sunrise Gold Circle
Suite 800
Rancho Cordova, CA 95742
t: 916.852.1719
f: 916.852.1740

NORTH AMERICA

Australia

3/9 Hoyle Ave
Castle Hill, NSW 2154
Australia
t: +61 (0)2 9899 8777
f: +61 (0)2 9899 8177

Tokyo

ST Building
1-2-4 Shibakouen, Minato-ku
Tokyo 105-0011, Japan
t: 03-5408-5778
f: 03-5408-5779

Europe

Amundsenweg 1
4462 GP GOES
The Netherlands
t: +31-113-272020
f: +31-113-272010

AUSTRALIA

ASIA

EUROPE

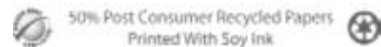
877-999-5742
www.lsgc.com

PPF0002

Specifications subject to change.
All photos, unless indicated otherwise, are examples of applications for LSG lighting.

The following are trademarks of LSG, registered in some countries:

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