SPECTRUM
LIGHTING INC.

enviro lights

ida DARK SKY APPROVED

COLLECTION OF EXTERIOR RATED
WILDLIFE FRIENDLY LUMINAIRES

The invention of artificial lighting introduced endless possibilities for the future of our planet. The issue with artificial lighting, however is that in some cases it can have a big environmental impact on the natural world and the environment. Many animals are disoriented or unnecessarily drawn to artificial light, even plants and insects can be negatively affected. Light pollution is also caused by excessive or inefficient artificial light. Our new wildlife and dark sky friendly Envirolights product group was designed to help resolve these issues.

One specific case is sea turtle hatchlings. Sea turtle eggs are laid in the summer on warm sandy beaches. When the eggs hatch, the baby sea turtles all rise from the sand during a very specific time frame between 9pm and 5am. The reason sea turtles hatch at night is to not only avoid predators but so they can use the moons reflections in the water to guide them to the sea where they will spend the rest of their lives. Using artificial light near these nesting areas causes these hatchlings to get confused about whether to follow the artificial light or the moon light causing some to be led away from the ocean possibly causing them to die.

Another similar case is that of birds that hunt or migrate at night and use the moon and stars to navigate. Artificial light can cause disorientation leading birds off course and possibly cause early or late migrations disrupting nesting and foraging. Consistently every year, many birds also die simply by crashing into buildings or structures that are unnecessarily lit or overly lit.

For this reason we at Spectrum Lighting are proud to present our all new Envirolights product group. Our team has worked hard over the last few years to provide lighting solutions to aid places around the country like Florida and its significant marine turtle conservation effort or places like Grand Canyon National Park which was officially certified as an International Dark Sky Park in 2019.

DOWNLIGHTS   **CYLINDERS**   **RLM CLASSICS**

ENVIROLIGHTS CAN BE USED AT STATE PARKS, NATIONAL PARKS OR AREAS WHERE NOCTURNAL WILDLIFE OR DARK SKY ISSUES ARE OF CONCERN.

These products comply with the Florida Fish and Wildlife Conservation Commission guidelines and feature Amber LEDS, which are monochromatic with a narrow spectral bandwidth that only emits wavelengths between 560 and 625 nanometers. These products also comply with IDA Dark Sky approved criteria with employing warm tones and full shielding. They feature a static amber illumination or an optional 2-circuit led system. Circuit 1 produces 3000 Kelvin at 1000 lumens using white light 3-step MacAdam ellipse binning with 80+ cri and the second circuit is amber only at 500 lumens.

We are also proud to announce that these versatile and environmentally conscious products were an official selection for the 2020 IES progress report.

SPECTRAL POWER DISTRIBUTION COMPARISON

Wavelength (nm)   ■ Amber   ■ 30K
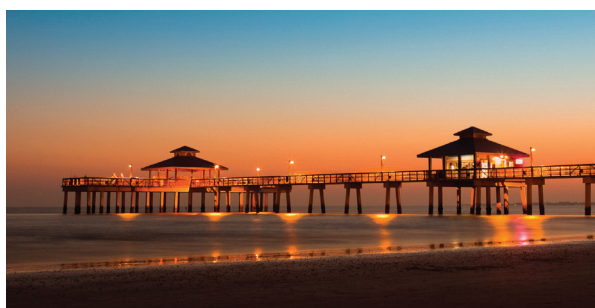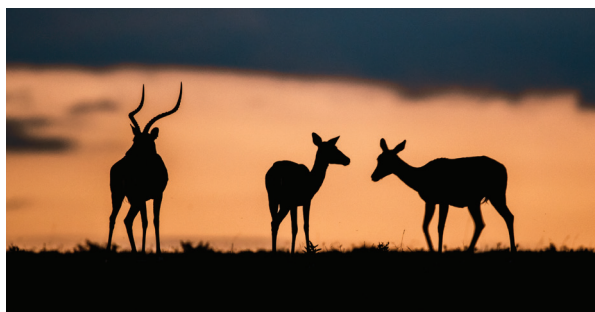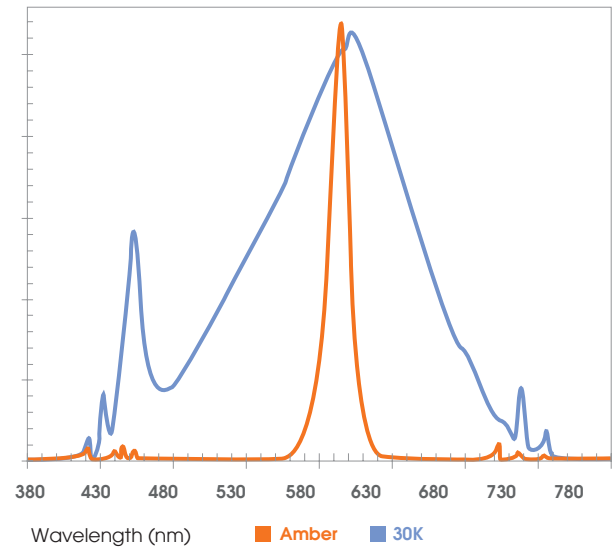
PROPRIETARY 2-CIRCUIT LED SYSTEM

The use of a dual circuit system allows for optional use of the amber light. For example with sea turtle nesting areas, amber light is not necessary for the entire year and can be switched from white light to amber light during nesting season for deep night illumination.

1 Circuit - Static
The base products are offered with a static (590 nm) (17K) LED system for constant amber illumination. This looks like classic high pressure sodium but with a more consistent amber.

2 Circuit - Dynamic/Switchable
The second and more advanced option has a dual circuit where circuit 1 is 30K white light and circuit 2 is amber. Switching can be done via manual switch, electronic time clock, Bluetooth switch or other easily programmable control systems.

AMBER - 500 LM / >560 NM

WHITE - 1000 LM / 3000K
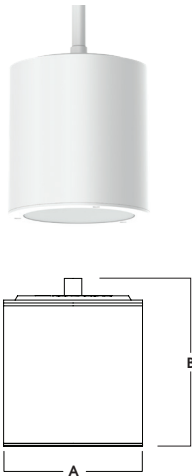
CYLINDER - CW0606

A	B
6.1	7.3
154.9 mm	185.4 mm

WALL MOUNT

WM
WALL MOUNT EXTENSION

CEILING MOUNT

HM / PM
HANG STRAIGHT / PENDANT

SM
SURFACE MOUNT

ORDERING

HOUSING

1. PICK HOUSING TYPE

SERIES

CW0606 - 6" Round x 6" High Cylinder	

HOUSING OPTIONS

2. CHOOSE EMITTER TYPE AND LUMEN PACKAGE

AMBER ONLY	DUAL CIRCUIT
LUMENS	**LUMENS**
TA5L - 500 Lm / Amber Only	**TD10L -** CIR 1 1000 Lm / at 3000K CIR 2 500 Lm / Amber Only
AMB - >560 NM	**30K -** 3000K

3. CHOOSE DIMMING

DIMMING

DX - 1%, 0-10V, 120V/277V
DS2W1 - 1%, 0-10V, 120V

OPTIONS

4. PICK LENS TYPE, MOUNTING & OPTIONS

LENS

SO - Micro Prism Solite™ Lens
GL - Clear Glass Lens
FG - Frosted Glass Lens

WALL MOUNT	CELING MOUNT
WM - Wall Mount	**HM -** Hang Straight
	PM - Rigid Pendant Mount
	SM - Surface Mount

FINISH

MW / MB / PT - Matte White / Matte Black / Platinum Silver (More Colors Available)
CC - Custom Color

ORDER EXAMPLE

CW0606 / TA5LAMBDX / SOHM36MW

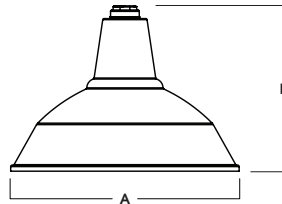HOUSING   HOUSING OPTIONS   TRIM OPTIONS

AMBER - 500 LM / >560 NM

WHITE - 1000 LM / 3000K

RLM CLASSICS - WAREHOUSE SHADE

A	B
16.6	12.0
421.6 mm	304.8 mm

WALL MOUNT

PA_
MOUNTING ARM STYLE

WS1611 SHOWN WITH CP106PA23

CEILING MOUNT

HM / PM
HANG STRAIGHT / PENDANT

WS1611 SHOWN WITH CP13PM

ORDERING

HOUSING

1. PICK HOUSING TYPE

SERIES

WS1611 - 16" x 11" Warehouse Shade

HOUSING OPTIONS

2. CHOOSE EMITTER TYPE AND LUMEN PACKAGE

AMBER ONLY	DUAL CIRCUIT
LUMENS	**LUMENS**
TA5L - 500 Lm / Amber Only	**TD10L -** CIR 1 1000 Lm / at 3000K CIR 2 500 Lm / Amber Only
AMB - >560 NM	**30K -** 3000K

3. CHOOSE DIMMING

DIMMING

DX - 1%, 0-10V, 120V/277V
DS2W1 - 1%, 0-10V, 120V

OPTIONS

4. PICK ENCLOSURE TYPE, MOUNTING & OPTIONS

ENCLOSURE

TF2 - 4" Frosted Dome
TG2 - 4" Dome Wire Guard
MF2 - 4" Frosted Mini
MG2 - 4" Short Wire Guard
FJ2 - 4" Frosted Tall
FG2 - 4" Tall Wire Guard

WALL MOUNT	CELING MOUNT
CP106 - Large Driver Canopy	**CP13 -** Large Driver Canopy
CP6/RMD - Remote Mount Driver	**HM -** Hang Straight
PA_ - Mounting Arm Style	**PM -** Rigid Pendant Mount

FINISH

MWI - Matte White Interior
CCI - Custom Color Interior
FCI - Fixture Color Interior

MW / MB / PT - Matte White / Matte Black / Platinum Silver (More Colors Available)
CC - Custom Color

ORDER EXAMPLE

WS1611 / TA5LAMBDX / TF2CP13HM36MWIMW

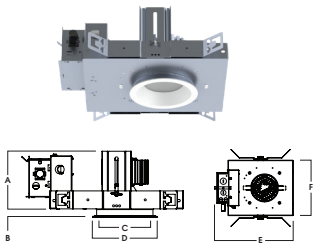HOUSING   HOUSING OPTIONS   TRIM OPTIONS

AMBER - 500 LM / >560 NM

WHITE - 1000 LM / 3000K

DOWNLIGHTS

AVAILABLE HOUSING TYPES

SR4MO - New Construction
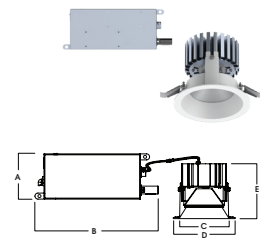

A	B	C	D	E	F
4.8 121.9 mm	.625 15.2 mm	4.4 111.8 mm	5.4 137.2 mm	13.1 332.7 mm	9.5 241.3 mm

Fixture Weight: 7 lbs   Ceiling Cutout: Ø 5"

SR4MR - Remodel Construction

A	B	C	D	E
3.8 96.5 mm	10.2 259.1 mm	4.4 111.8 mm	5.4 137.2 mm	5.0 127.0 mm

Fixture Weight: 5 lbs   Ceiling Cutout: Ø 5"

SS4MO - New Construction
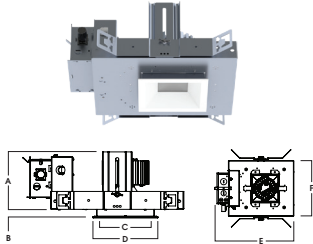
A	B	C	D	E	F
4.8 121.9 mm	.625 15.2 mm	4.4 111.8 mm	5.4 137.2 mm	13.1 332.7 mm	9.5 241.3 mm

Fixture Weight: 7 lbs   Ceiling Cutout: 5" Sq

SS4MR - Remodel Construction
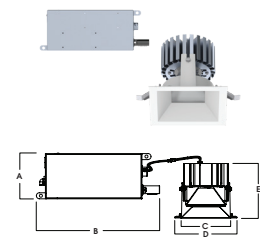
A	B	C	D	E
3.8 96.5 mm	10.2 259.1 mm	4.4 111.8 mm	5.4 137.2 mm	5.0 127.0 mm

Fixture Weight: 5 lbs   Ceiling Cutout: 5" Sq

TRIM TYPES

RDD4F - Downlight Module

RDD4N - Downlight Module

SDD4F - Downlight Module

SDD4N - Downlight Module

ORDERING

HOUSING

1. PICK HOUSING TYPE

ROUND	SQUARE
SR4MO - New Construction	**SS4MO -** New Construction
SR4MR - Remodel Construction	**SS4MR -** Remodel Construction

2. CHOOSE EMITTER TYPE AND LUMEN PACKAGE

AMBER ONLY	DUAL CIRCUIT
LUMENS	LUMENS
TA5L - 500 Lm / Amber Only	**TD10L -** CIR 1 1000 Lm / at 3000K CIR 2 500 Lm / Amber Only

HOUSING OPTIONS

3. CHOOSE DIMMING & MOUNTING (BATTERY OPTIONS AVAILABLE)

DIMMING (AVAILABLE WITH AMBER)	DIMMING (AVAILABLE WITH DUAL CIRCUIT)
DO10(1/2) - 1%, 0-10V	**DS2W(1) -** 1%, 0-10V

OPTIONS

EB - Black Housing
PR - Consult Factory

MOUNTING

H12 - 12" - 24" Expandable Bars
BH27 - 27" Solid Bars
CB24 - 24" C-Channel Bars

TRIM OPTIONS

4. PICK TRIM TYPE

ROUND	SQUARE
RDD4F - Round (Flanged)	**SDD4F -** Square (Flanged)
RDD4N - Round (Flangeless)	**SDD4N -** Square (Flangeless)

5. CHOOSE CCT & TRIM OPTIONS

AMBER ONLY	DUAL CIRCUIT
CCT	CCT
TA5L - 500 Lm / Amber Only	**TD10L -** CIR 1 1000 Lm / at 3000K CIR 2 500 Lm / Amber Only

FINISH

MW / MB / PT - Matte White / Matte Black / Platinum Silver (More Colors Available)
CC - Custom Color

FLANGE FINISH

MF - Matching Flange
WF - White Flange **(Use w/ Non-White Trim Finish)**

LENS

SO - Solite™ Micro Prism Lens
GL - Clear Glass Lens
FG - Frosted Glass Lens

OPTION

PR - Consult Factory

ORDER EXAMPLE

SR4MOTA5L / DO101BH27 / RDD4F/TA5L/MW/SO/MF

HOUSING   HOUSING OPTIONS   TRIM OPTIONS

COLOR OPTIONS

STANDARD CORD / STEM / CANOPY FINISHES

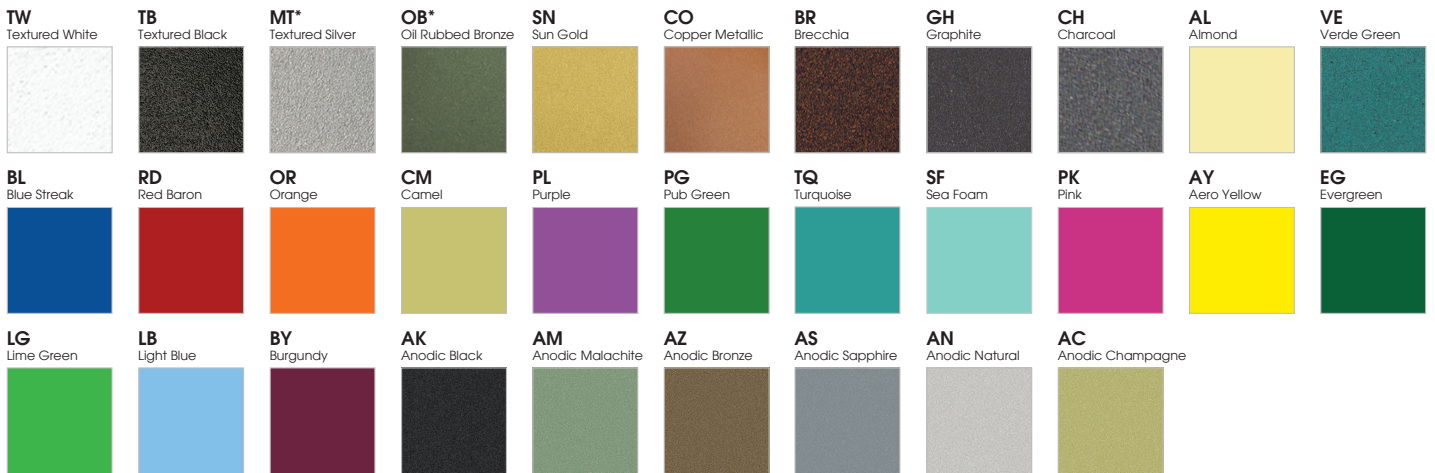| FIXTURE COLOR	STANDARD CORD COLOR	STANDARD CANOPY / STEM COLOR
Matte White, Textured White	Matte White	Matte White
Gloss White	Matte White	Gloss White
Matte Black, Gloss Black, Textured Black	Matte Black	Matte Black
All Others	Matte Black	Same Color as Fixture
Custom Color	Contact Factory	Contact Factory

PAINT TIMES

TIER	COST	PAINT TIME*
Tier 1 - Standard Finishes	$	🕐
Tier 2 - Typical Finishes	$$	🕐🕐
Tier 3 - Special Metal Finishes	$$$	🕐🕐🕐
Custom Color	Contact Factory	Contact Factory

*CONTACT FACTORY FOR SPECIFIC PRODUCT LEAD TIMES

TIER 1 - STANDARD FINISHES

MW	GW	PT	MB	GB	BZ
Matte White	Gloss White	Platinum Silver	Matte Black	Gloss Black	Bronze

TIER 2 - TYPICAL FINISHES

TW	TB	MT*	OB*	SN	CO	BR	GH	CH	AL	VE
Textured White	Textured Black	Textured Silver	Oil Rubbed Bronze	Sun Gold	Copper Metallic	Brecchia	Graphite	Charcoal	Almond	Verde Green

BL	RD	OR	CM	PL	PG	TQ	SF	PK	AY	EG
Blue Streak	Red Baron	Orange	Camel	Purple	Pub Green	Turquoise	Sea Foam	Pink	Aero Yellow	Evergreen

LG	LB	BY	AK	AM	AZ	AS	AN	AC
Lime Green	Light Blue	Burgundy	Anodic Black	Anodic Malachite	Anodic Bronze	Anodic Sapphire	Anodic Natural	Anodic Champagne

WHY SPECTRUM?

Attention to detail.
Precision crafted quality.
Personal service with every order.

At Spectrum Lighting we understand the importance of meeting budgets, quality and delivery of lighting fixtures on your projects. To achieve these important requirements, Spectrum Lighting is proud to design and manufacture all fixtures in our 250,000 square foot Massachusetts factory. This allows us to control production volume, speed, cost and quality right here in the USA. We work on both large and small projects and treat each job with the same level of care.

All fixtures as well as most major components are manufactured in house. We employ state of the art equipment, like our new fiber laser. Time honored metalworking skills like metal spinning, machining and welding.

We constantly survey the market for the best quality LEDs, optics, electronics, controls and other materials. We bring you these materials in visually comfortable, uniquely designed and easy to maintain lighting fixtures.

Our greatest resource is our people. Our team works together to grow the company and help our customers. We are here to serve you with technical help, customer service and warranty support.

Spectrum Lighting.
Illuminating what's possible.

SPECTRUM LIGHTING INC.