



# 1051YM • RGBW • SURFACE BOX

Specification Sheet | Commercial Series • Linear Floodlight

TYPE:  MODEL:

PROJECT:

## PRODUCT FEATURES



Wattage	34 W (MAX)
Voltage	120 – 277 VAC
Lumens	2546 Delivered Lumens (MAX)
Distribution	Narrow, Medium Flood, Wide Flood, Wall Wash, Wall Grazer, Asymmetric
Color	RGB and Tunable White (2200K – 6000K)
Controls	DMX 512-A with RDM capabilities
Driver	4 channel DMX512-A/RDM compatible
Fixture Dimensions	13 1/2" W x 8 7/16" H
Surface Box Dimensions	8" DIA x 2 3/4" D



## ORDERING INFORMATION

EXAMPLE: 1051YM-GM-MF-RGBW-SB12-MV-DMX-GS

MODEL	FINISH	DISTRIBUTION	COLOR	MOUNTING	VOLTAGE	CONTROL	ACCESSORIES
1051YM			RGBW		MV	DMX	

MODEL	FINISH			DISTRIBUTION	COLOR				
1051YM	<b>B</b>	Black	<b>BR</b>	Architectural Brick	<b>G</b>	Verde	<b>NS</b>	Narrow	<b>RGBW</b> RGB + Tunable White
	<b>Z</b>	Architectural Bronze	<b>LZ</b>	Light Bronze	<b>P</b>	Pewter	<b>MF</b>	Medium Flood	
	<b>DZ</b>	Dark Bronze	<b>SB</b>	Special Bronze	<b>M</b>	Mocha	<b>WF</b>	Wide Flood	
	<b>GT</b>	Granite	<b>GG</b>	Glossy Gray	<b>OF</b>	Olde Finish	<b>WW</b>	Wall Wash	
	<b>W</b>	White	<b>R</b>	Rust			<b>WG</b>	Wall Grazer	
			<b>HG</b>	Hunter Green			<b>AS</b>	Asymmetric	
			<b>WB</b>	Weathered Bronze					
			<b>WI</b>	Weathered Iron					
			<b>GM</b>	Graphite Metallic					
MOUNTING		VOLTAGE		CONTROL		ACCESSORIES			
<b>SB12</b> Surface Box ½" NPT hubs		<b>MV</b> Multi Volt (120-277VAC)		<b>DMX</b> DMX 512-A with RDM capabilities		<b>GS</b> Internal Glare Shield			
<b>SB34</b> Surface Box ¾" NPT hubs						<b>VR</b> Polycarbonate Lens			
<b>SBKO</b> Surface Box 4-0 Box Knockout									



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## SPECIFICATIONS

### FIXTURE HOUSING:

Extruded aluminum body with die-cast aluminum end caps and mountings. Optic and driver compartment environmentally sealed. Mounted on die cast aluminum fitting.

### WALL BOX HOUSING:

Die-cast A360 aluminum. Separate power and communication splicing compartments environmentally sealed. Integral 4 channel DMX driver completely wired by factory.

### FINISH:

Powder coat finish available in Black, Architectural Bronze, Dark Bronze, Granite, White, Architectural Brick, Light Bronze, Special Bronze, Glossy Gray, Rust, Hunter Green, Weathered Bronze, Weathered Iron, Graphite Metallic, Verde, Pewter, Mocha, and Olde Finish. Custom Powder coat finishes available on request.

### REFLECTOR:

Specular or semi-specular extruded aluminum optics anodized and bright dipped for maximum reflectivity.

### ACCESSORIES:

Internal Glare Shield **GS**, Polycarbonate Lens **VR**

### WIRING:

- **Power:** 3 conductors. Terminates in isolated power junction box of the Surface Box.
- **Communication:** DMX, 2 twisted pairs in & out plus drain, terminates in isolated communication junction box of the Surface Box.
- **Cabling:** 8 conductor outdoor rated cable factory installed between Luminaire and Surface Box Cover sealed with liquid tight cable fittings.

### MOUNTING:

- **Fixture:** Extruded aluminum Yoke Mount, affixed with stainless steel hardware. Yoke Mount is adjustable for precise aiming. Yoke provided with ½ NPT stainless steel cable fitting factory installed to the Surface Box Cover.
- **Surface Box:** Two size ¼-20 knockout holes provided for surface mounting with fasteners (by others).
- **Concrete Pour Mask (CPM):** Included for recessed mounting in concrete. Also included is an 8-32 rod kit for attachment of the Surface Box to pour forms.

### CERTIFICATION:

UL wet location listed.

### LED:

White and RGB LEDs arranged in four channel configuration. Configuration allows for infinite color combinations.

### CONTROLS:

Integral drivers equipped, **One (1) included**, with DMX512-A protocols. Each integral driver has a unique 12 digit UID. Fixture identification accessible through RDM and consumes **1 Node** on a standard **32 Node** (max) DMX BUS.

### COLOR RENDERING (WHITE):

90 CRI minimum at 3000K

### OPTICS/AIMING:

NEMA defined floodlight optics with wide lateral throws – extruded aluminum.

### LIGHT DISTRIBUTION [WHITE]:

Narrow **NS** (83.3° H x 28.4° V) | Max. Candela: 2173  
Medium Flood **MF** (95.3° H x 57.4° V) | Max. Candela: 1537  
Wide Flood **WF** (78.2° H x 88.2° V) | Max. Candela: 1070  
Wall Wash **WW** (83.5° H x 50.6° V) | Max. Candela: 1419  
Wall Grazer **WG** (101.2° H x 20.6° V) | Max. Candela: 3501  
Asymmetric **AS** (91.8° H x 67.3° V) | Max. Candela: 1472

### DRIVER:

4 channel DMX512-A/RDM compatible driver 12 digit UID number.

Driver is factory set to start Channel 1:

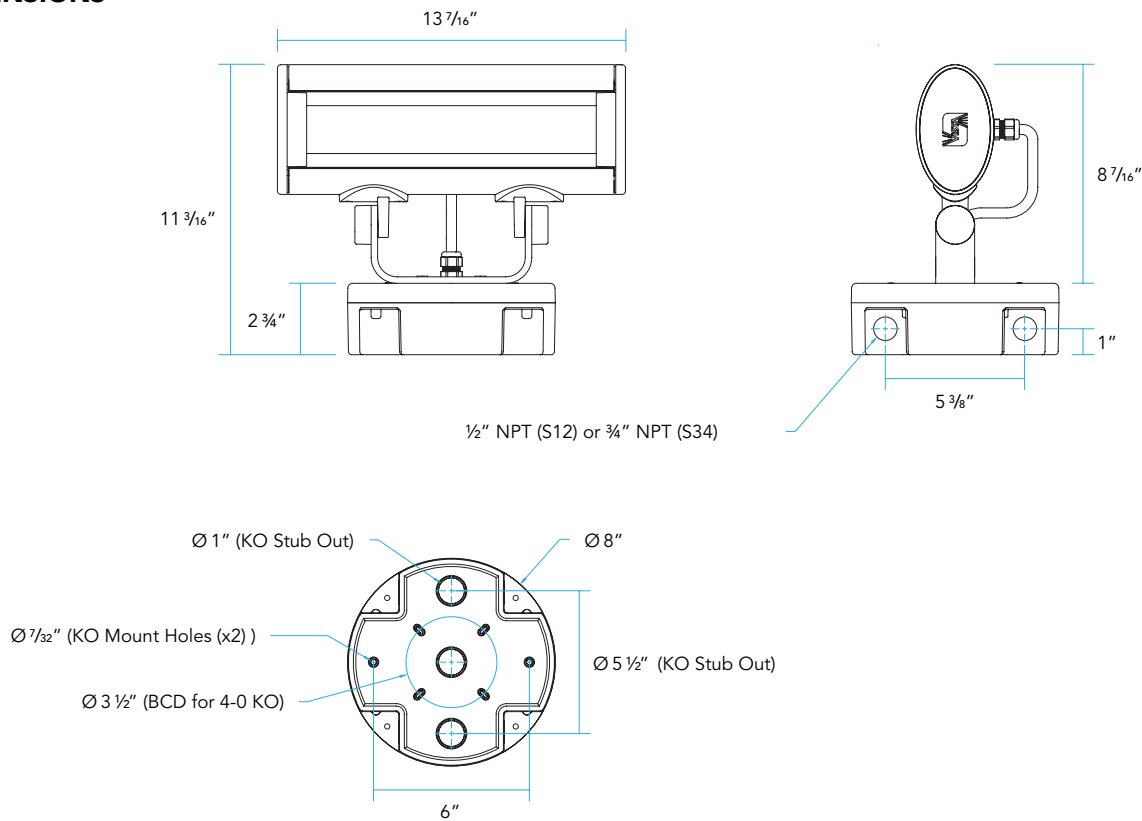
Channel 1 – Red  
Channel 2 – Green  
Channel 3 – Blue  
Channel 4 – White

The start channel can be changed during commissioning via RDM using the driver 12 digit UID number.





## DIMENSIONS



½" NPT (S12) or ¾" NPT (S34)

## DELIVERED LUMENS SPECIFICATION

DISTRIBUTION	RED	GREEN	BLUE	WHITE
Narrow NS	8 Watts 222 Lumens	12 Watts 528 Lumens	11 Watts 119 Lumens	34 Watts 2303 Lumens
Medium Flood MF	9 Watts 262 Lumens	12 Watts 643 Lumens	12 Watts 146 Lumens	34 Watts 2281 Lumens
Wide Flood WF	9 Watts 248 Lumens	12 Watts 580 Lumens	12 Watts 155 Lumens	34 Watts 2287 Lumens
Wall Wash WW	9 Watts 257 Lumens	12 Watts 597 Lumens	12 Watts 157 Lumens	34 Watts 2356 Lumens
Wall Grazer WG	9 Watts 301 Lumens	12 Watts 714 Lumens	12 Watts 191 Lumens	34 Watts 2546 Lumens
Asymmetric AS	8 Watts 254 Lumens	12 Watts 604 Lumens	11 Watts 136 Lumens	34 Watts 2510 Lumens



## CHROMATICITY

**COLOR TEMPERATURE WHITE [W]:**  
2200K – 6000K CCT

**RED WAVELENGTH [R]:**  
619nm – 625nm

**GREEN WAVELENGTH [G]:**  
520nm – 530nm

**BLUE WAVELENGTH [B]:**  
465nm – 475nm

**LED MODELS:**  
Lumileds LUXEON 2835 HE  
Lumileds LUXEON 3528 RGB

- R** Red Wavelength Range
- G** Green Wavelength Range
- B** Blue Wavelength Range
- W** White Color Temperature Range
- A** Combined RGB Visible Color Range

