



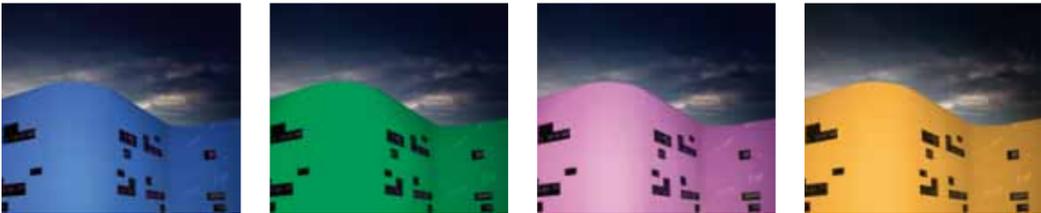
*Product Innovation Award winner  
Architectural/Flood lighting  
Exterior 400 Range*

## **Exterior 400 Range™**



# Exterior 400 Range™

The ultimate toolbox for energy-efficient outdoor lighting designs, the Exterior 400 Range offers a broad range of color and white light solutions



**FEATURES**

- Extremely bright and even light
- Market-leading energy efficiency
- Compact and elegant design



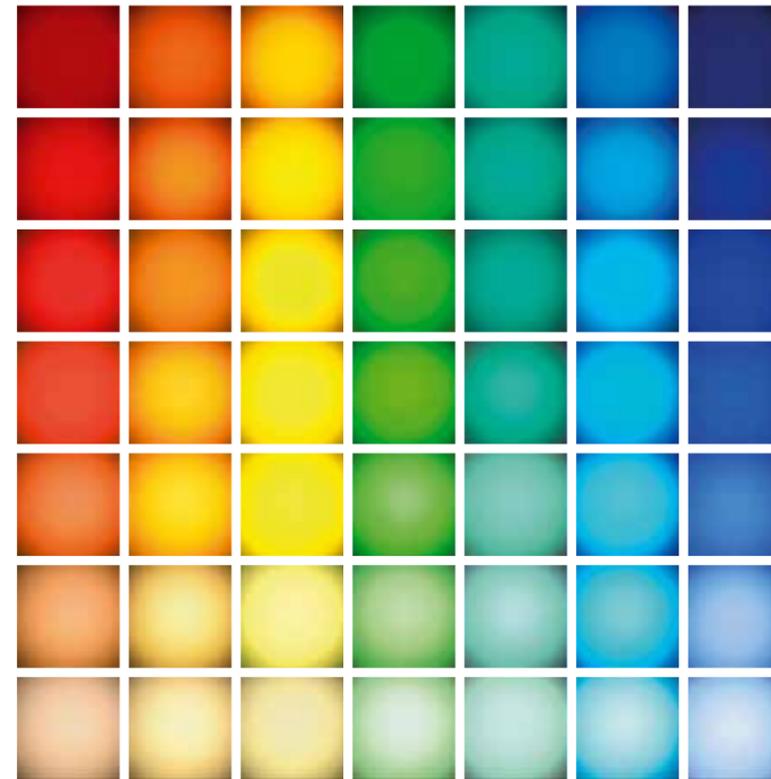
Mercedes-Benz Superdome, New Orleans, Louisiana, US, Photo Credits: Solomon Group

# Exterior 400™

HIGH POWER COLORS THAT GO THE DISTANCE



Abu Dhabi Judicial Department, UAE



## FULL SPECTRUM COLOR MIXING

The Exterior 400 broadens your choice of colors by mixing red, green, blue and white LEDs for washes of rich saturated colors to softer pastels. When high quality white light is required, the RGBW system also allows for crisp cold looks to warmer shades. For maximum color consistency and seamless overlapping, a color calibration system ensures uniform colors across fixtures.

## LONG THROWS OF LIGHT

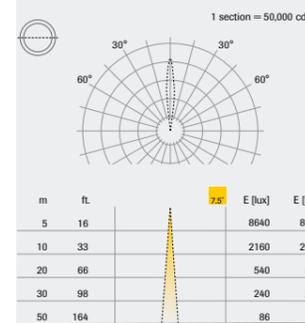
For lighting designs requiring uniform color washes at great distances, the Exterior 400 provides extremely bright light (5300 lm) at narrow to wide beam angles. Great for lighting the tops of structures, up-lighting columns or reaching across long spaces.

## EXTERIOR 400 RANGE

- Very low power consumption (38 lm/W)
- Internal power and control
- Color calibration ensures uniformity
- Choice of beam angles - 7.5°, 14.5°, 31°, 57°
- 0 - 100% intensity control
- Super-rugged IP65 housing
- White, black or aluminum housing

### EXTERIOR 400

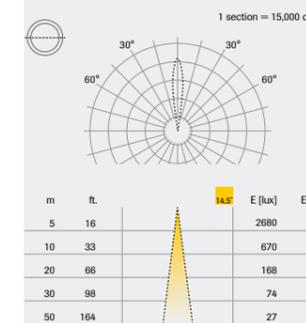
7.5° beam angle



Efficacy: 38.2 lumens per watt  
 Half-peak diameter: 0.13 x distance (m)  
 Illuminance: 21600 / distance<sup>2</sup> (lux)  
 Total output: 5300 (lumens)

### EXTERIOR 400

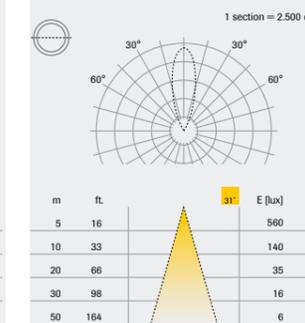
14.5° beam angle



Efficacy: 36 lumens per watt  
 Half-peak diameter: 0.25 x distance (m)  
 Illuminance: 67000 / distance<sup>2</sup> (lux)  
 Total output: 5000 (lumens)

### EXTERIOR 400

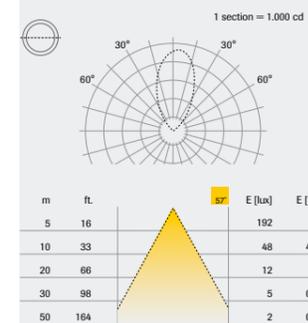
31° beam angle



Efficacy: 32.4 lumens per watt  
 Half-peak diameter: 0.55 x distance (m)  
 Illuminance: 140000 / distance<sup>2</sup> (lux)  
 Total output: 4500 (lumens)

### EXTERIOR 400

57° beam angle



Efficacy: 34.9 lumens per watt  
 Half-peak diameter: 1.09 x distance (m)  
 Illuminance: 48000 / distance<sup>2</sup> (lux)  
 Total output: 4900 (lumens)

# Exterior 410™

FLAWLESS COLOR MIXING WITH A PUNCH



Mercedes-Benz Superdome, New Orleans, Louisiana, US, Photo Credits: Solomon Group



## BRIGHT AND EVEN COLOR

For lighting designs requiring perfect color mixing at the fixture and no color separation, the Exterior 410 steps in with very powerful pre-mixed LEDs. Ideal for shorter throw applications like floodlighting structures close to a wall or any building with ornate surfaces where shadowing might occur. At 5600 lumens, the Exterior 410 is also extremely bright.

## TRUE WHITE AND BETTER SATURATED COLORS

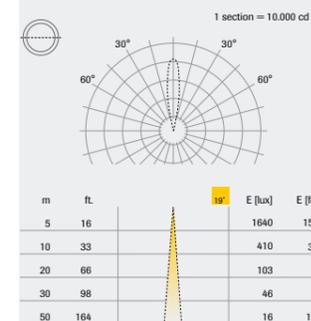
The Exterior 410 uses full-spectrum RGBW color mixing for a wide and rich palette of colors, including white light shades from cold to warm. For maximum color consistency and seamless overlapping, a color calibration system ensures uniform colors across fixtures.

## EXTERIOR 400 RANGE

- Very low power consumption (40 lm/W)
- Internal power and control
- Color calibration ensures uniformity
- Choice of beam angles - 19°, 22°, 36°, 65°
- 0 - 100% intensity control
- Super-rugged IP65 housing
- White, black or aluminum housing

### EXTERIOR 410

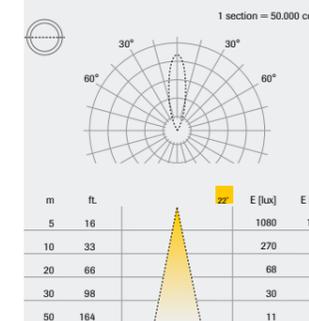
19° beam angle



Efficacy: 41.1 lumens per watt  
 Half-peak diameter: 0.33 x distance (m)  
 Illuminance: 410000 / distance<sup>2</sup> (lux)  
 Total output: 5600 (lumens)

### EXTERIOR 410

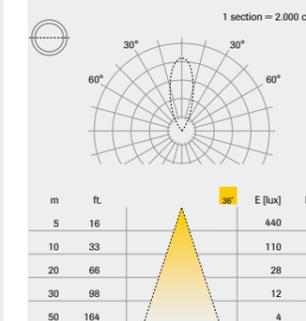
22° beam angle



Efficacy: 37.9 lumens per watt  
 Half-peak diameter: 0.39 x distance (m)  
 Illuminance: 27000 / distance<sup>2</sup> (lux)  
 Total output: 5200 (lumens)

### EXTERIOR 410

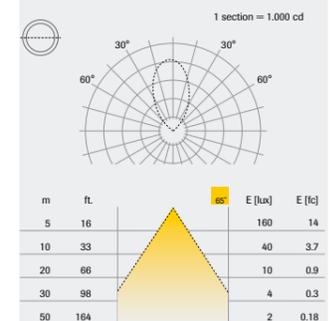
36° beam angle



Efficacy: 36 lumens per watt  
 Half-peak diameter: 0.65 x distance (m)  
 Illuminance: 11000 / distance<sup>2</sup> (lux)  
 Total output: 4900 (lumens)

### EXTERIOR 410

65° beam angle



Efficacy: 37.6 lumens per watt  
 Half-peak diameter: 1.27 x distance (m)  
 Illuminance: 4000 / distance<sup>2</sup> (lux)  
 Total output: 5100 (lumens)

# Exterior 420™

COLD TO WARM WHITE...AND EVERYTHING IN-BETWEEN



KMD Office, Aarhus, Denmark



## WHITE LIGHT FLEXIBILITY

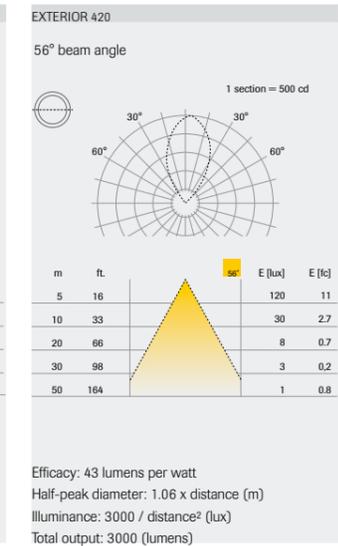
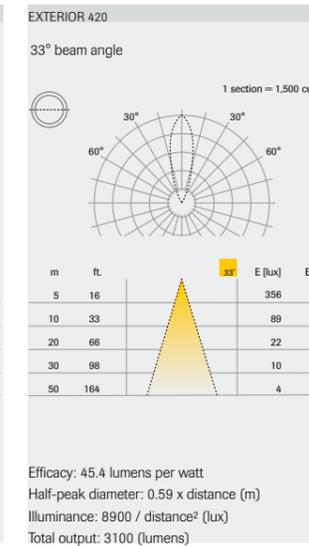
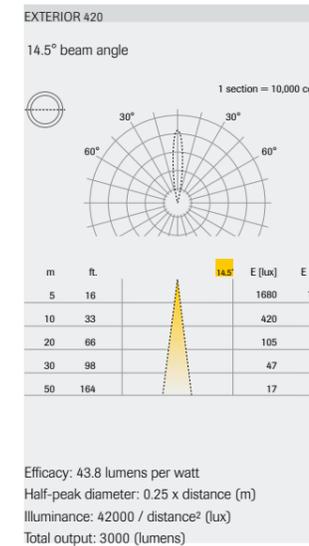
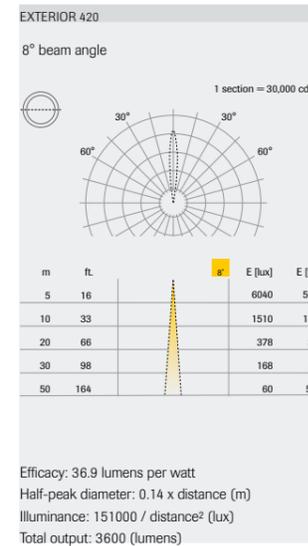
For white light designs requiring the added flexibility of color temperature control, the Exterior 420 offers one of the most powerful white light units on the market (5900 lm) with even output across a wide color temperature range.

## THE TEMPERATURE OF LIGHT

With variations in white light from warm to cold, reflecting the variety found in nature, the Exterior 420 offers a very broad color temperature range (2700 - 6500 K). Careful command of color temperature allows for innovative lighting designs, such as seasonal color temperature shifts or dynamic lighting in white.

## EXTERIOR 400 RANGE

- Very low power consumption (42 lm/W)
- Internal power and control
- Choice of beam angles - 8°, 14.5°, 33°, 56°
- 0 - 100% intensity control
- Super-rugged IP65 housing
- White, black or aluminum housing



# Exterior 430™

MAXIMUM OUTPUT - YOUR CHOICE OF COLOR



Alingsås, Sweden



## COLOR TUNING

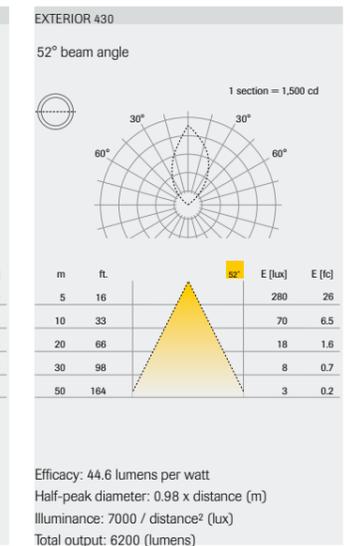
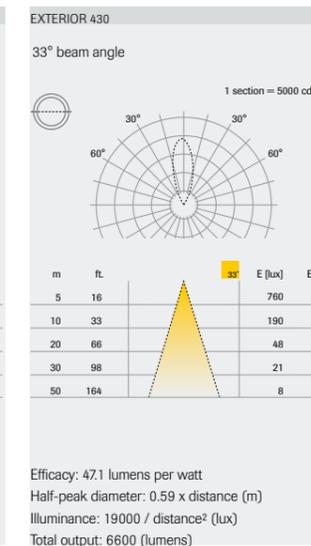
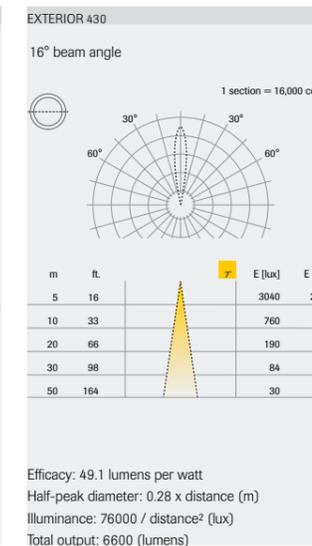
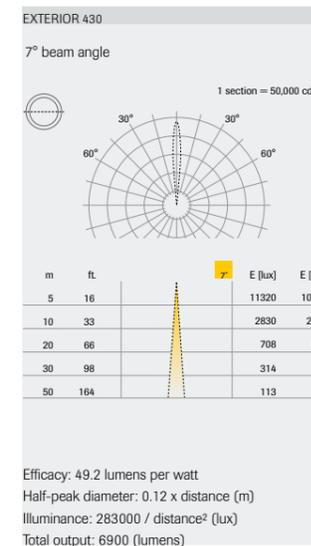
The Exterior 430 also uses a unique color calibration system in its red, green and blue units to ensure uniformity across fixtures and over time, plus the added ability to adjust colors to precisely match the look needed in your lighting design. Color fades within a narrow range, such as magenta – blue – turquoise, are also possible.

## EXTERIOR 400 RANGE

- Very low power consumption (up to 50 lm/W)
- Internal power and control
- Color calibration ensuring uniformity
- Choice of beam angles - 7°, 16°, 33°, 52°
- 0 - 100% intensity control
- Super-rugged IP65 housing
- White, black or aluminum housing

## BRIGHT, SINGLE-COLOR OPTIONS

The Exterior 430 projects up to 7000 lumens of power in a single color (red, green, blue, warm white or cold white options). Ideal for applications where maximum performance is required using just one color.

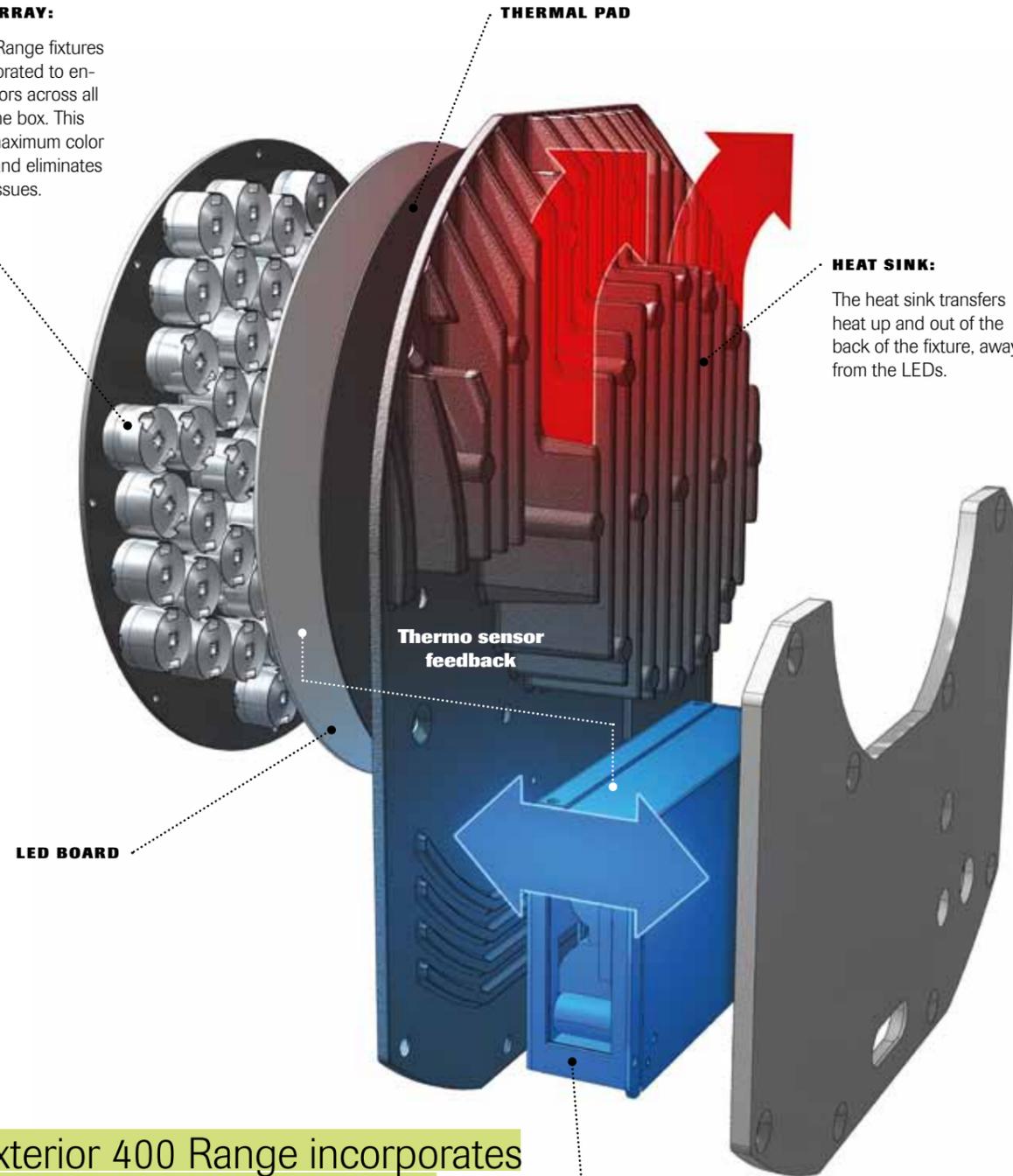


For complete photometric data on the Exterior 430, please visit [www.marth.com](http://www.marth.com)

# Advanced Thermal and Color Management

## TIR LENS ARRAY:

Exterior 400 Range fixtures are color calibrated to ensure even colors across all units out of the box. This guarantees maximum color consistency and eliminates any binning issues.



## HEAT SINK:

The heat sink transfers heat up and out of the back of the fixture, away from the LEDs.

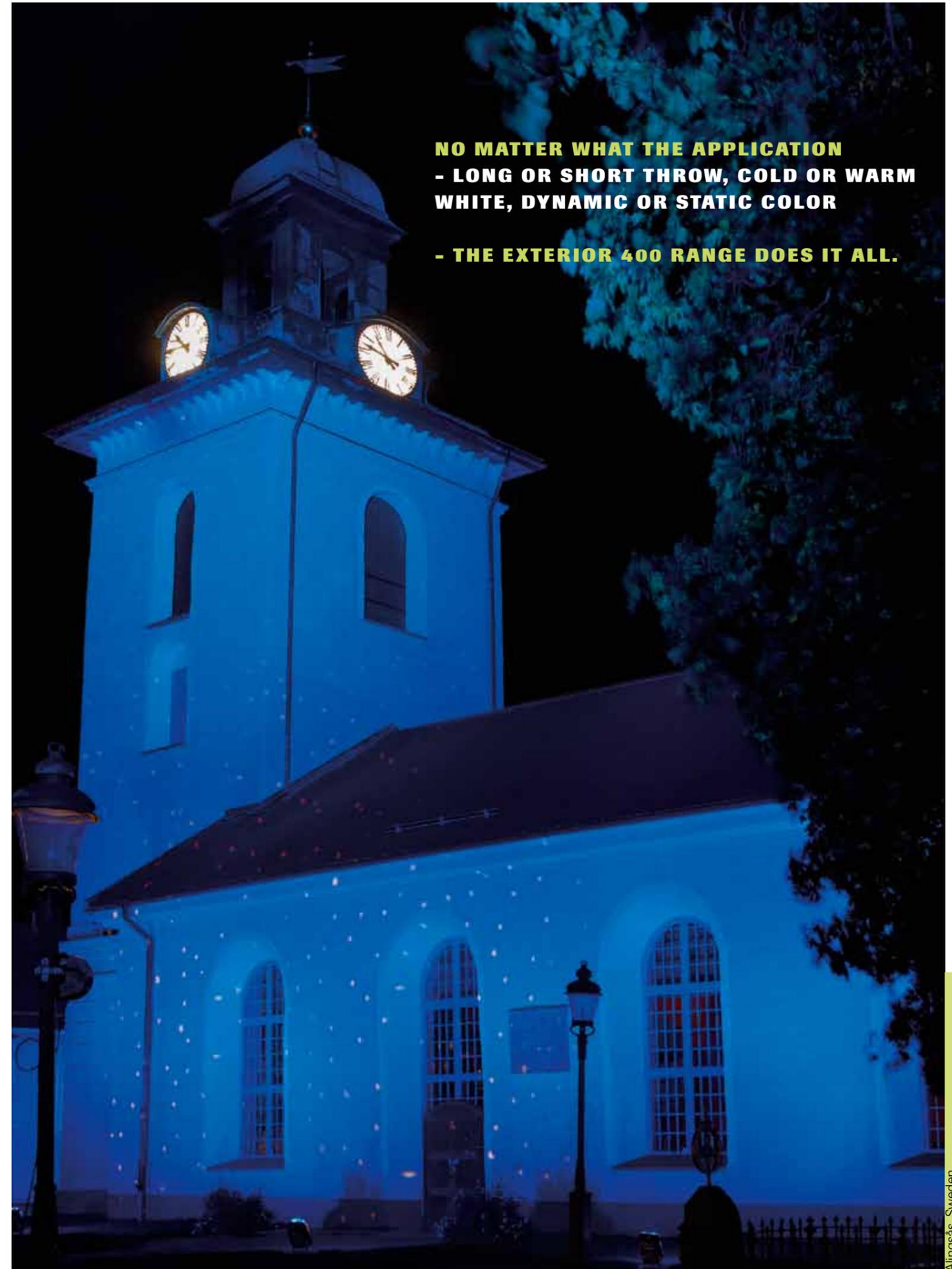
## DRIVER CONTROLS:

The power supply and driver, located in a separate cool box, respond to extremes of temperature by dimming the LEDs to protect them.

The Exterior 400 Range incorporates an advanced heat management system that extends the life of the LEDs while assuring maximum efficiency.

**NO MATTER WHAT THE APPLICATION  
- LONG OR SHORT THROW, COLD OR WARM  
WHITE, DYNAMIC OR STATIC COLOR**

**- THE EXTERIOR 400 RANGE DOES IT ALL.**



# Exterior 400 Range SPECIFICATIONS

## 400

### PHYSICAL

Length: 169 mm (6.7 in.) including cable gland  
Width: 307 mm (12.1 in.)  
Height: 401 mm (15.8 in.)  
Weight: 7.6 kg (16.8 lbs.) including bracket

### DYNAMIC EFFECTS

Color mixing: RGBW  
Red: 0 - 100%  
Green: 0 - 100%  
Blue: 0 - 100%  
White: 0 - 100%

### OPTICS

Light source: Cree XP-E high power emitters  
White LED: Neutral white, 5700 - 7000 K  
Minimum LED lifetime: 50 000 hours (to >70% luminous output)\*  
Very Narrow (no diffuser), Narrow, Medium and Wide beam angles available  
\*Manufacturer's figure obtained under manufacturer's test conditions

### CONTROL AND PROGRAMMING

Color control modes: RGB, RGBW, HSI, HSIC  
Control options: DMX, stand-alone, synchronized (master/slave)  
DMX channels: 3 or 4 depending on mode  
DMX address setting: PC with Martin MUM software and DABS1 hardware interface  
Stand-alone trigger options: Internal timer and/or ambient light level  
Stand-alone and master/slave programming: PC with Martin MUM software and DABS1 hardware interface  
26-bit control (internal): RGB, RGBW, HSI, HSIC  
Protocol: USITT DMX512-A  
Receiver: RS-485  
Firmware update: Serial upload via DMX link

### CONSTRUCTION

Color: Clear anodized, black or white  
Housing: Anodized aluminum  
Mounting bracket: 8 mm (0.3 in.) anodized aluminum  
Front glass: 6 mm (0.2 in.) anti-reflection coated  
Protection rating: IP65

### INSTALLATION

Orientation: Any  
Vertical aiming: 330°  
Minimum distance to illuminated surfaces: 0.1 m (0.3 ft.)

### CONNECTIONS

Power cable entry: IP68 cable gland  
Power connection: 1.8 m (5.9 ft.) cable tail  
Data cable entry: IP68 cable gland  
Data connection: 1.8 m (5.9 ft.) combined input + output cable tail

### ELECTRICAL

AC power: 100-240 V nominal, 50/60 Hz  
Standby power: 13 W  
Power supply unit: Integrated, auto-sensing multi-voltage  
Main fuse: 2.5 AT (slow blow)

### TYPICAL POWER AND CURRENT

100 V, 50 Hz: 139 W, 1.4 A, PF 0.990  
100 V, 60 Hz: 139 W, 1.4 A, PF 0.989  
110 V, 60 Hz: 137 W, 1.3 A, PF 0.988  
120 V, 60 Hz: 136 W, 1.2 A, PF 0.986  
208 V, 60 Hz: 133 W, 0.7 A, PF 0.932  
230 V, 50 Hz: 132 W, 0.7 A, PF 0.925  
240 V, 50 Hz: 131 W, 0.7 A, PF 0.886  
Measurements made at nominal voltage with all LEDs at full intensity. Allow for a deviation of +/- 10%.

### THERMAL

Cooling: Convection  
Maximum ambient temperature (Ta max.): 45° C (113° F)  
Minimum ambient temperature (Ta min.): -30° C (-22° F), power must be maintained below 0° C (32° F)  
Maximum surface temperature, steady state, Ta=40° C; 90° C (194° F)  
Total heat dissipation (calculated, +/- 10%): 480 BTU/hr.

### APPROVALS

EU safety: EN 60598-1, EN 60598-2-1, IEC/EN 60825-1  
EU EMC: EN 55103-1, EN 55103-2, EN 61000-3-2, EN 61000-3-3  
US safety (US model): UL 1598  
Canadian safety (US model): CAN/CSA C.22.2 No. 250

### INCLUDED ITEMS

Adjustable mounting yoke  
Narrow, Medium and Wide diffusers (supplied separately with product)  
User manual

### ACCESSORIES

Narrow beam angle kit (diffuser sheet)	P/N 41600122
Medium beam angle kit (diffuser sheet)	P/N 41600123
Wide beam angle kit (diffuser sheet)	P/N 41600124
Exterior 200 floor stand	P/N 91611305
Safety eyebolt	P/N 91611239
3-pin male XLR connector, cable-type, IP65	P/N 91611306
3-pin female XLR connector, cable-type, IP65	P/N 91611307

### RELATED ITEMS

MUM (Multi Utility Manager) incl. DABS interface & cables	P/N 90758090
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### SPARE PARTS

2.5 AT main fuse	P/N 05020010
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### ORDERING INFORMATION

Exterior 400, EU Model, Aluminum	P/N 90545050
Exterior 400, US Model, Aluminum	P/N 90545150
Exterior 400, EU Model, Black	P/N 90545060
Exterior 400, US Model, Black	P/N 90545160
Exterior 400, EU Model, White	P/N 90545070
Exterior 400, US Model, White	P/N 90545170

## 410

### PHYSICAL

Length: 169 mm (6.7 in.) including cable gland  
Width: 307 mm (12.1 in.)  
Height: 401 mm (15.8 in.)  
Weight: 7.6 kg (16.8 lbs.) including bracket

### DYNAMIC EFFECTS

Color mixing: RGBW  
Red: 0 - 100%  
Green: 0 - 100%  
Blue: 0 - 100%  
White: 0 - 100%

### OPTICS

Light source: Cree MC-E high-power emitters  
White LED: Neutral white, 5700 - 7000 K  
Minimum LED lifetime: 50 000 hours (to >70% luminous output)\*  
Very Narrow (no diffuser), Narrow, Medium and Wide beam angles available  
\*Manufacturer's figure obtained under manufacturer's test conditions

### CONTROL AND PROGRAMMING

Color control modes: RGB, RGBW, HSI, HSIC  
Control options: DMX, stand-alone, synchronized (master/slave)  
DMX channels: 3 or 4 depending on mode  
DMX address setting: PC with Martin MUM software and DABS1 hardware interface  
Stand-alone trigger options: Internal timer and/or ambient light level  
Stand-alone and master/slave programming: PC with Martin MUM software and DABS1 hardware interface  
26-bit control (internal): RGB, RGBW, HSI, HSIC  
Protocol: USITT DMX512-A  
Receiver: RS-485  
Firmware update: Serial upload via DMX link

### CONSTRUCTION

Color: Clear anodized, black or white  
Housing: Anodized aluminum  
Mounting bracket: 8 mm (0.3 in.) anodized aluminum  
Front glass: 6 mm (0.2 in.) anti-reflection coated  
Protection rating: IP65

### INSTALLATION

Orientation: Any  
Vertical aiming: 330°  
Minimum distance to illuminated surfaces: 0.1 m (0.3 ft.)

### CONNECTIONS

Power cable entry: IP68 cable gland  
Power connection: 1.8 m (5.9 ft.) cable tail  
Data cable entry: IP68 cable gland  
Data connection: 1.8 m (5.9 ft.) combined input + output cable tail

### ELECTRICAL

AC power: 100-240 V nominal, 50/60 Hz  
Standby power: 13 W  
Power supply unit: Integrated, auto-sensing multi-voltage  
Main fuse: 2.5 AT (slow blow)

### TYPICAL POWER AND CURRENT

100 V, 50 Hz: 139 W, 1.4 A, PF 0.990  
100 V, 60 Hz: 139 W, 1.4 A, PF 0.989  
110 V, 60 Hz: 137 W, 1.3 A, PF 0.988  
120 V, 60 Hz: 136 W, 1.2 A, PF 0.986  
208 V, 60 Hz: 133 W, 0.7 A, PF 0.932  
230 V, 50 Hz: 132 W, 0.7 A, PF 0.925  
240 V, 50 Hz: 131 W, 0.7 A, PF 0.886  
Measurements made at nominal voltage with all LEDs at full intensity. Allow for a deviation of +/- 10%.

### THERMAL

Cooling: Convection  
Maximum ambient temperature (Ta max.): 45° C (113° F)  
Minimum ambient temperature (Ta min.): -30° C (-22° F), power must be maintained below 0° C (32° F)  
Maximum surface temperature, steady state, Ta=40° C; 90° C (194° F)  
Total heat dissipation (calculated, +/- 10%): 480 BTU/hr.

### APPROVALS

EU safety: EN 60598-1, EN 60598-2-1, IEC/EN 60825-1  
EU EMC: EN 55103-1, EN 55103-2, EN 61000-3-2, EN 61000-3-3  
US safety (US model): UL 1598  
Canadian safety (US model): CAN/CSA C.22.2 No. 250

### INCLUDED ITEMS

Adjustable mounting yoke  
User manual  
Narrow, Medium and Wide diffusers (supplied separately with product)

### ACCESSORIES

Narrow beam angle kit (diffuser sheet)	P/N 41600122
Medium beam angle kit (diffuser sheet)	P/N 41600123
Wide beam angle kit (diffuser sheet)	P/N 41600124
Exterior 200 floor stand	P/N 91611305
Safety eyebolt	P/N 91611239
3-pin male XLR connector, cable-type, IP65	P/N 91611306
3-pin female XLR connector, cable-type, IP65	P/N 91611307

### RELATED ITEMS

MUM (Multi Utility Manager) incl. DABS interface & cables	P/N 90758090
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### SPARE PARTS

2.5 AT main fuse	P/N 05020010
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### ORDERING INFORMATION

Exterior 410, EU Model, Aluminum	P/N 90545053
Exterior 410, US Model, Aluminum	P/N 90545151
Exterior 410, EU Model, Black	P/N 90545061
Exterior 410, US Model, Black	P/N 90545161
Exterior 410, EU Model, White	P/N 90545071
Exterior 410, US Model, White	P/N 90545171

## 420

### PHYSICAL

Length: 169 mm (6.7 in.) including cable gland  
Width: 307 mm (12.1 in.)  
Height: 401 mm (15.8 in.)  
Weight: 7.6 kg (16.8 lbs.) including bracket

### DYNAMIC EFFECTS

Color temperature control: Variable

### OPTICS

Light source: Cree XP-E high power emitters  
Minimum LED lifetime: 50 000 hours (to >70% luminous output)\*  
Very Narrow (no diffuser), Narrow, Medium and Wide beam angles available  
\*Manufacturer's figure obtained under manufacturer's test conditions

### CONTROL AND PROGRAMMING

Color control modes: Color temperature control and intensity  
Control options: DMX, stand-alone, synchronized (master/slave)  
DMX channels: 2  
DMX address setting: PC with Martin MUM software and DABS1 hardware interface  
Stand-alone trigger options: Internal timer and/or ambient light level  
Stand-alone and master/slave programming: PC with Martin MUM software and DABS1 hardware interface  
26-bit control (internal): Color temperature control and intensity  
Protocol: USITT DMX512-A  
Receiver: RS-485  
Firmware update: Serial upload via DMX link

### CONSTRUCTION

Color: Clear anodized, black or white  
Housing: Anodized aluminum  
Mounting bracket: 8 mm (0.3 in.) anodized aluminum  
Front glass: 6 mm (0.2 in.) anti-reflection coated  
Protection rating: IP65

### INSTALLATION

Orientation: Any  
Vertical aiming: 330°  
Minimum distance to illuminated surfaces: 0.1 m (0.3 ft.)

### CONNECTIONS

Power cable entry: IP68 cable gland  
Power connection: 1.8 m (5.9 ft.) cable tail  
Data cable entry: IP68 cable gland  
Data connection: 1.8 m (5.9 ft.) combined input + output cable tail

### ELECTRICAL

AC power: 100-240 V nominal, 50/60 Hz  
Standby power: 13 W  
Power supply unit: Integrated, auto-sensing multi-voltage  
Main fuse: 2.5 AT (slow blow)

### TYPICAL POWER AND CURRENT

100 V, 50 Hz: 139 W, 1.4 A, PF 0.990  
100 V, 60 Hz: 139 W, 1.4 A, PF 0.989  
110 V, 60 Hz: 137 W, 1.3 A, PF 0.988  
120 V, 60 Hz: 136 W, 1.2 A, PF 0.986  
208 V, 60 Hz: 133 W, 0.7 A, PF 0.932  
230 V, 50 Hz: 132 W, 0.7 A, PF 0.925  
240 V, 50 Hz: 131 W, 0.7 A, PF 0.886  
Measurements made at nominal voltage with all LEDs at full intensity. Allow for a deviation of +/- 10%.

### THERMAL

Cooling: Convection  
Maximum ambient temperature (Ta max.): 45° C (113° F)  
Minimum ambient temperature (Ta min.): -30° C (-22° F), power must be maintained below 0° C (32° F)  
Maximum surface temperature, steady state, Ta=40° C; 90° C (194° F)  
Total heat dissipation (calculated, +/- 10%): 480 BTU/hr.

### APPROVALS

EU safety: EN 60598-1, EN 60598-2-1, IEC/EN 60825-1  
EU EMC: EN 55103-1, EN 55103-2, EN 61000-3-2, EN 61000-3-3  
US safety (US model): UL 1598  
Canadian safety (US model): CAN/CSA C.22.2 No. 250

### INCLUDED ITEMS

Adjustable mounting yoke  
Narrow, Medium and Wide diffusers (supplied separately with product)  
User manual

### ACCESSORIES

Narrow beam angle kit (diffuser sheet)	P/N 41600122
Medium beam angle kit (diffuser sheet)	P/N 41600123
Wide beam angle kit (diffuser sheet)	P/N 41600124
Exterior 200 floor stand	P/N 91611305
Safety eyebolt	P/N 91611239
3-pin male XLR connector, cable-type, IP65	P/N 91611306
3-pin female XLR connector, cable-type, IP65	P/N 91611307

### RELATED ITEMS

MUM (Multi Utility Manager) incl. DABS interface & cables	P/N 90758090
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### SPARE PARTS

2.5 AT main fuse	P/N 05020010
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### ORDERING INFORMATION

Exterior 420, EU Model, Aluminum	P/N 90545051
Exterior 420, US Model, Aluminum	P/N 90545152
Exterior 420, EU Model, Black	P/N 90545062
Exterior 420, US Model, Black	P/N 90545162
Exterior 420, EU Model, White	P/N 90545072
Exterior 420, US Model, White	P/N 90545172

## 430

### PHYSICAL

Length: 169 mm (6.7 in.) including cable gland  
Width: 307 mm (12.1 in.)  
Height: 401 mm (15.8 in.)  
Weight: 7.6 kg (16.8 lbs.) including bracket

### DYNAMIC EFFECTS

All Exterior 430 luminaires  
Single color or white: 0 - 100% continuous dimming  
Red, green and blue luminaires  
Single color: Color fine tuning available

### OPTICS

Light source: Cree XP-E high power emitters  
Color temperature: 2700 K (Warm white luminaires), 6500 K (Cold white luminaires)  
Minimum LED lifetime: 50 000 hours (to >70% luminous output)\*  
Very Narrow (no diffuser), Narrow, Medium and Wide beam angles available  
\*Manufacturer's figure obtained under manufacturer's test conditions

### CONTROL AND PROGRAMMING

Control options: DMX stand-alone, synchronized (master/slave)  
DMX channels: 1 (white luminaires) or 1-4 depending on mode (red, green and blue luminaires)  
DMX address setting: PC with Martin MUM software and DABS1 hardware interface  
Stand-alone trigger options: Internal timer and/or ambient light level  
Stand-alone and master/slave programming: PC with Martin MUM software and DABS1 hardware interface  
26-bit control (internal): Single color intensity  
Protocol: USITT DMX512-A  
Receiver: RS-485  
Firmware update: Serial upload via DMX link

### CONSTRUCTION

Color: Clear anodized, black or white  
Housing: Anodized aluminum  
Mounting bracket: 8 mm (0.3 in.) anodized aluminum  
Front glass: 6 mm (0.2 in.) anti-reflection coated  
Protection rating: IP65

### INSTALLATION

Orientation: Any  
Vertical aiming: 330°  
Minimum distance to illuminated surfaces: 0.1 m (0.3 ft.)

### CONNECTIONS

Power cable entry: IP68 cable gland  
Power connection: 1.8 m (5.9 ft.) cable tail  
Data cable entry: IP68 cable gland  
Data connection: 1.8 m (5.9 ft.) combined input + output cable tail

### ELECTRICAL

AC power: 100-240 V nominal, 50/60 Hz  
Standby power: 13 W  
Power supply unit: Integrated, auto-sensing multi-voltage  
Main fuse: 2.5 AT (slow blow)

### TYPICAL POWER AND CURRENT

100 V, 50 Hz: 139 W, 1.4 A, PF 0.990  
100 V, 60 Hz: 139 W, 1.4 A, PF 0.989  
110 V, 60 Hz: 137 W, 1.3 A, PF 0.988  
120 V, 60 Hz: 136 W, 1.2 A, PF 0.986  
208 V, 60 Hz: 133 W, 0.7 A, PF 0.932  
230 V, 50 Hz: 132 W, 0.7 A, PF 0.925  
240 V, 50 Hz: 131 W, 0.7 A, PF 0.886  
Measurements made at nominal voltage with all LEDs at full intensity. Allow for a deviation of +/- 10%.

### THERMAL

Cooling: Convection  
Maximum ambient temperature (Ta max.): 45° C (113° F)  
Minimum ambient temperature (Ta min.): -30° C (-22° F), power must be maintained below 0° C (32° F)  
Maximum surface temperature, steady state, Ta=40° C; 90° C (194° F)  
Total heat dissipation (calculated, +/- 10%): 480 BTU/hr.

### APPROVALS

EU safety: EN 60598-1, EN 60598-2-1, IEC/EN 60825-1  
EU EMC: EN 55103-1, EN 55103-2, EN 61000-3-2, EN 61000-3-3  
US safety (US model): UL 1598  
Canadian safety (US model): CAN/CSA C.22.2 No. 250

### INCLUDED ITEMS

Adjustable mounting yoke  
Narrow, Medium and Wide diffusers  
User manual

### ACCESSORIES

Narrow beam angle kit (diffuser sheet)	P/N 41600122
Medium beam angle kit (diffuser sheet)	P/N 41600123
Wide beam angle kit (diffuser sheet)	P/N 41600124
Exterior 200 floor stand	P/N 91611305
Safety eyebolt	P/N 91611239
3-pin male XLR connector, cable-type, IP65	P/N 91611306
3-pin female XLR connector, cable-type, IP65	P/N 91611307

### RELATED ITEMS

MUM (Multi Utility Manager) incl. DABS interface & cables	P/N 90758090
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### SPARE PARTS

2.5 AT main fuse	P/N 05020010
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### ORDERING INFORMATION \*

Exterior 430 Red, EU Model, Aluminum	P/N 90545052
Exterior 430 Red, US Model, Aluminum	P/N 90545153
Exterior 430 Green, EU Model, Aluminum	P/N 90545054
Exterior 430 Green, US Model, Aluminum	P/N 90545154
Exterior 430 Blue, EU Model, Aluminum	P/N 90545055
Exterior 430 Blue, US Model, Aluminum	P/N 90545155
Exterior 430 Cold White, EU Model, Aluminum	P/N 90545056
Exterior 430 Cold White, US Model, Aluminum	P/N 90545156
Exterior 430 Warm White, EU Model, Aluminum	P/N 90545057
Exterior 430 Warm White, US Model, Aluminum	P/N 90545157



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