



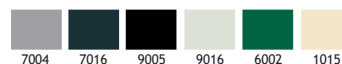


# DARA

## LED SPOTS

### Class I IP65 IK08

Available in any  
of these RAL colors



The Dara Spot series has an LED source to deliver the desired light effect to facades, columns, bridges, monuments, signs, and trees. The series is made of die cast aluminium and painted with electrostatic powder paint. 6 standard RAL colors can be chosen from to adapt the spots to their environment (grey, anthracite, black, white, green and beige). The spots can be mounted on surfaces, in the ground or concrete with a picket, or on a pole with the addition of a simple adaptor. Once installed, the special joint system allows for 100° horizontal and 180° vertical adjustment.

The LEDs used come in 3 different tones of white (2700K, 3000K, 4000K) Several lenses from 10 to 30 degrees are available to choose from to achieve the desired the light effect.

#### Body

Die cast aluminium

#### Paint

Electrostatic powder

#### Pipe

Aluminium Profile

#### Gaskets

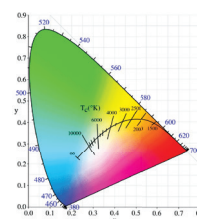
Silicone

#### Diffusers

Tempered Glass

#### “Customization” is EMFA’s standard

EMFA offers many combinations for each fixture, as all fixtures are made in house. A combination of 6 standard paint colors, 8 LED colors, 2 wattages, and 5 or more lenses and reflectors are available to make the fixture suitable for the required application. This is done without increasing lead-time and is available for large as well as small quantities.



#### LEDs

Only highest quality LEDs such as Cree or Toplite are used in production allowing for maximum lumen output and maximum lifetime. Most LEDs run on 350mA or 700mA depending on how much light output is required. The white color temperature binning is 200K at most, and always on the same x,y coordinates on the CIE diagram in accordance with Energy Star. This ensures consistent supply of the same color temperature over time. As LEDs are constantly developing and becoming more efficient, lumen output given in this catalogue are current as of March 2020. At 2700K, 3000K, and 4000K LED lumen output per led is 110lm; at 6000K the lumen output per led is 125lm. Total Lighting Output as printed in this catalogue is the actual light output of the entire fixture. The minimum CRI of the LEDs used is 85 with a majority of products over 90.

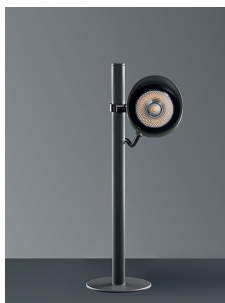
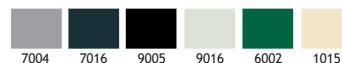
#### Thermal Management

All fixtures are designed to withstand ambient temperatures of at least 50°C. The LEDs are mounted on metal core pcbs, which are mounted the aluminium body of the fixture so that the entire fixture acts as a heat sink. Extensive testing is performed in EMFA’s laboratory to ensure these values are maintained so that the lifetime of the LED is not compromised.

# DARA LED SPOTS

## Class I IP65 IK08

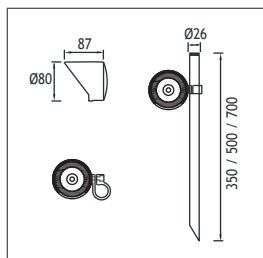
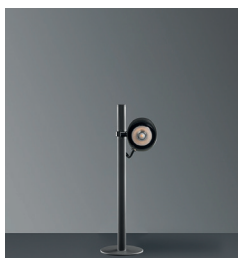
Available in any  
of these RAL colors



### COB LEDs

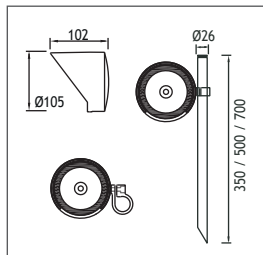
**Voltage** : 12V - 24V (240V A.C with integrated driver)  
**Diffuser** : Clear Glass 4 mm  
 (Frosted Glass on request)  
**CRI** : >80 or >90  
**Cable** : Potted 1m 3x1 H03 VV-F

### DARA 2



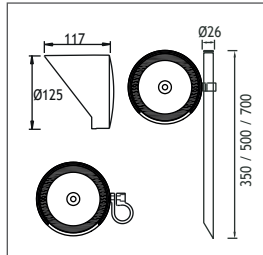
| Height | Power | Kelvin     | Real Lumen Output | Lens        | Code No Single | Code No Twin |
|--------|-------|------------|-------------------|-------------|----------------|--------------|
| 350mm  | 6W    | 2700/3000K | 570 lm            | 10°,20°,30° | 553001         | 554001       |
| 350mm  | 6W    | 4000 K     | 590 lm            | 10°,20°,30° | 553002         | 554002       |
| 500mm  | 6W    | 2700/3000K | 570 lm            | 10°,20°,30° | 553101         | 554101       |
| 500mm  | 6W    | 4000 K     | 590 lm            | 10°,20°,30° | 553102         | 554102       |
| 700mm  | 6W    | 2700/3000K | 570 lm            | 10°,20°,30° | 553201         | 554201       |
| 700mm  | 6W    | 4000 K     | 590 lm            | 10°,20°,30° | 553202         | 554202       |

### DARA 3

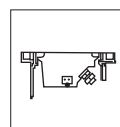


| Height | Power | Kelvin     | Real Lumen Output | Lens        | Code No Single | Code No Twin |
|--------|-------|------------|-------------------|-------------|----------------|--------------|
| 350mm  | 11W   | 2700/3000K | 1045 lm           | 10°,20°,30° | 555001         | 556001       |
| 350mm  | 11W   | 4000 K     | 1070 lm           | 10°,20°,30° | 555002         | 556002       |
| 500mm  | 11W   | 2700/3000K | 1045 lm           | 10°,20°,30° | 555101         | 556101       |
| 500mm  | 11W   | 4000 K     | 1070 lm           | 10°,20°,30° | 555102         | 556102       |
| 700mm  | 11W   | 2700/3000K | 1045 lm           | 10°,20°,30° | 555201         | 556201       |
| 700mm  | 11W   | 4000 K     | 1070 lm           | 10°,20°,30° | 555202         | 556202       |

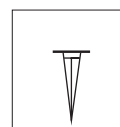
### DARA 4



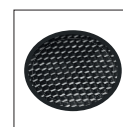
| Height | Power | Kelvin     | Real Lumen Output | Lens        | Code No Single | Code No Twin |
|--------|-------|------------|-------------------|-------------|----------------|--------------|
| 350mm  | 16W   | 2700/3000K | 1520 lm           | 10°,20°,30° | 557001         | 558001       |
| 350mm  | 16W   | 4000 K     | 1590 lm           | 10°,20°,30° | 557002         | 558002       |
| 500mm  | 16W   | 2700/3000K | 1520 lm           | 10°,20°,30° | 557101         | 558101       |
| 500mm  | 16W   | 4000 K     | 1590 lm           | 10°,20°,30° | 557102         | 558102       |
| 700mm  | 16W   | 2700/3000K | 1520 lm           | 10°,20°,30° | 557201         | 558201       |
| 700mm  | 16W   | 4000 K     | 1590 lm           | 10°,20°,30° | 557202         | 558202       |



**For Dara  
Recessing Tube  
Internal Driver**  
Code No: 953553



**For Dara  
Picket  
External Driver**  
Code No: 953552



**Honeycomb**  
Dara 2 : 953551  
Dara 3 : 953561  
Dara 4 : 953571

# SQUARE MINI LED SPOT

## Class I IP67 IK08

Available in any of these RAL colors

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 7004 | 7016 | 9005 | 9016 | 6002 | 1015 |
|------|------|------|------|------|------|

### “Customization” is EMFA’s standard

EMFA offers many combinations for each fixture, as all fixtures are made in house. A combination of 6 standard paint colors, 8 LED colors, 2 wattages, and 5 or more lenses and reflectors are available to make the fixture suitable for the required application. This is done without increasing lead-time and is available for large as well as small quantities.

#### Body

Die cast aluminium

#### Paint

Electrostatic powder

#### Gaskets

Silicone

#### Diffusers

Tempered Glass

#### Power LED or COB LEDs

**Voltage** : 240 VAC with integrated driver

(12-24 VDC on request)

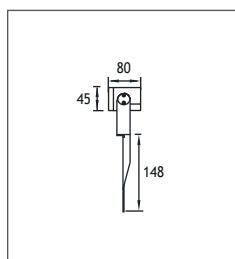
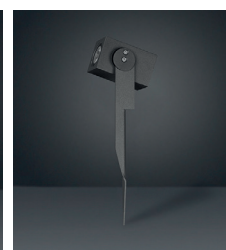
**Lens** : 10°, 25°, 40°

**Diffuser** : Clear Glass 4 mm (Frosted Glass on request)

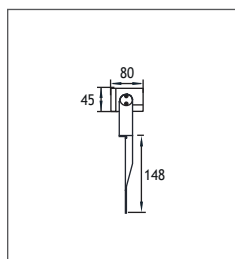
**Cable** : Potted 1m 3x1 H03 VV-F

Single color LED options upon request are ;

Blue Amber Green Red

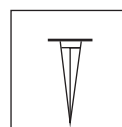


| Power  | Kelvin | Real Lumen Output | Lens        | Code No |
|--------|--------|-------------------|-------------|---------|
| 1W LED | 2700 K | 95 lm             | 10°,25°,40° | 438004  |
| 1W LED | 3000 K | 95 lm             | 10°,25°,40° | 438001  |
| 1W LED | 4000 K | 97 lm             | 10°,25°,40° | 438002  |
| 1W LED | 6000 K | 99 lm             | 10°,25°,40° | 438003  |
| 3W LED | 2700 K | 285 lm            | 10°,25°,40° | 438014  |
| 3W LED | 3000 K | 285 lm            | 10°,25°,40° | 438011  |
| 3W LED | 4000 K | 290 lm            | 10°,25°,40° | 438012  |
| 3W LED | 6000 K | 296 lm            | 10°,25°,40° | 438013  |

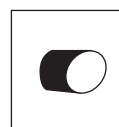


| 12-24V Power | Kelvin | Real Lumen Output | Lens        | Code No |
|--------------|--------|-------------------|-------------|---------|
| 6W LED       | 2700 K | 570 lm            | 10°,25°,40° | 438024  |
| 6W LED       | 3000 K | 570 lm            | 10°,25°,40° | 438021  |
| 6W LED       | 4000 K | 580 lm            | 10°,25°,40° | 438022  |
| 6W LED       | 6000 K | 592 lm            | 10°,25°,40° | 438023  |

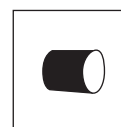
12V - 24V (240V A.C with external driver)



**Visor**  
Code No: 953712



**Cylinder Visor**  
Code No: 953713



**Honeycomb**  
Code No: 953714



**Picket**  
Code No: 953711



# SQUARE

## LED SPOT WITH TIR LENS

### Class I IP67 IK10

Available in any of these RAL colors

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 7004 | 7016 | 9005 | 9016 | 6002 | 1015 |
|------|------|------|------|------|------|

The Square Spot series consists of a range of LED, metal halide, fluorescent and halogen sources to deliver the desired light effect to facades, columns, bridges, monuments, signs, and trees. The series is made of die cast aluminium and painted with electrostatic powder paint. 6 standard RAL colors can be chosen from to adapt the spots to their environment (grey, anthracite, black, white, green and beige). The spots can be mounted on surfaces, in the ground or concrete with a picket, or on a pole with the addition of a simple adaptor. Two adaptors are available for two sizes of poles. Once installed, the special joint system allows for 100° horizontal and 180° vertical adjustment. The gearboxes are either filled with cast resin and have a pre-potted cable for IP67. The LEDs used come in 3 different tones of white, as well as blue, red, green, amber and RGB. Several lenses from 10 to 30 degrees are available to choose from to achieve the desired the light effect.

#### Body

Die cast aluminium

#### Paint

Electrostatic powder

#### Gaskets

Silicone

#### Diffusers

Tempered Glass



#### Power LED or COB LEDs

**Voltage** : 240 VAC with integrated driver  
(12-24 VDC on request)

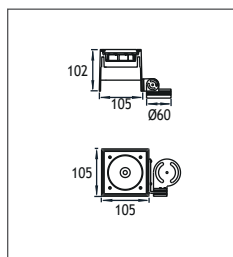
**Diffuser** : Clear Glass 4 mm (Frosted Glass on request)

**CRI** : >80 or >90

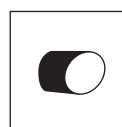
**Cable** : Potted 1m 3x1 H03 VV-F

Single color LED options upon request are ;

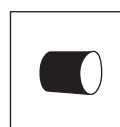
Blue Amber Green Red



| Power   | Kelvin | Real Lumen Output | Lens        | Code No |
|---------|--------|-------------------|-------------|---------|
| 6W LED  | 2700 K | 570 lm            | 10°,25°,40° | 434103  |
| 6W LED  | 3000 K | 570 lm            | 10°,25°,40° | 434101  |
| 6W LED  | 4000 K | 580 lm            | 10°,25°,40° | 434102  |
| 6W LED  | 6000 K | 592 lm            | 10°,25°,40° | 434104  |
| 12W LED | 2700 K | 1140 lm           | 10°,25°,40° | 434113  |
| 12W LED | 3000 K | 1140 lm           | 10°,25°,40° | 434111  |
| 12W LED | 4000 K | 1185 lm           | 10°,25°,40° | 434112  |
| 12W LED | 6000 K | 1192 lm           | 10°,25°,40° | 434114  |



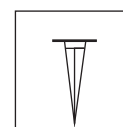
**Visor**  
Code No: 953911



**Cylinder Visor**  
Code No: 953912



**Honeycomb**  
Code No: 953931



**Picket**  
Code No: 953901





# BELKIS

## LED SPOTS

### Class I IP67 IK10

Available in any of these RAL colors

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 7004 | 7016 | 9005 | 9016 | 6002 | 1015 |
|------|------|------|------|------|------|

The Belkis Spot series consists of a range of LED, metal halide, fluorescent and halogen sources to deliver the desired light effect to facades, columns, bridges, monuments, signs, and trees. The series is made of die cast aluminium and painted with electrostatic powder paint. 6 standard RAL colors can be chosen from to adapt the spots to their environment (grey, anthracite, black, white, green and beige). The spots can be mounted on surfaces, in the ground or concrete with a picket, or on a pole with the addition of a simple adaptor. Two adaptors are available for two sizes of poles. Once installed, the special joint system allows for 100° horizontal and 180° vertical adjustment. The gearboxes are either filled with cast resin and have a pre-potted cable for IP67, or have a stainless steel cover and cable glands for IP55. The LEDs used come in 3 different tones of white, as well as blue, red, green, amber and RGB. Several lenses from 6 to 40 degrees are available to choose from to achieve the desired light effect.

#### Body

Die cast aluminium

#### Paint

Electrostatic powder

#### Gearbox Cover

Stainless steel

#### Gaskets

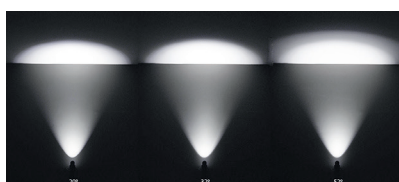
Silicone

#### Diffusers

Tempered Glass

#### “Customization” is EMFA’s standard

EMFA offers many combinations for each fixture, as all fixtures are made in house. A combination of 6 standard paint colors, 8 LED colors, 2 wattages, and 5 or more lenses and reflectors are available to make the fixture suitable for the required application. This is done without increasing lead-time and is available for large as well as small quantities.



#### LEDs

Only highest quality LEDs such as Cree or Toplite are used in production allowing for maximum lumen output and maximum lifetime. Most LEDs run on 350mA or 700mA depending on how much light output is required. The white color temperature binning is 200K at most, and always on the same x,y coordinates on the CIE diagram in accordance with Energy Star. This ensures consistent supply of the same color temperature over time. As LEDs are constantly developing and becoming more efficient, lumen output given in this catalogue are current as of March 2020. At 2700K, 3000K, and 4000K LED lumen output per led is 110lm; at 6000K the lumen output per led is 125lm. Total Lighting Output as printed in this catalogue is the actual light output of the entire fixture. The minimum CRI of the LEDs used is 85 with a majority of products over 90.

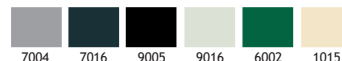
#### Thermal Management

All fixtures are designed to withstand ambient temperatures of at least 50°C. The LEDs are mounted on metal core pcbs, which are mounted to the aluminium body of the fixture so that the entire fixture acts as a heat sink. Extensive testing is performed in EMFA’s laboratory to ensure these values are maintained so that the lifetime of the LED is not compromised.

# BELKIS MINI

## LED SPOT LED DRIVER IN HADE Class I IP67 IK10

Available in any  
of these RAL colors



### POWER LED or COB LED

**Voltage** : 240V A.C with integrated driver  
(12V - 24V AC or DC on request)

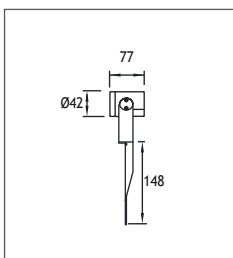
**Lens** : 10°, 25° or 40°

**Diffuser** : Clear Glass 8 mm (Frosted Glass on request)

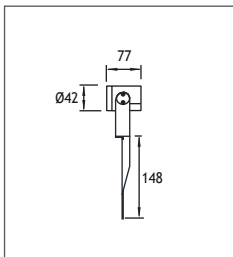
**Cable** : Potted 2m 3x0,75 H03 VV-F

Single color LED options upon request are ;

Blue Amber Green Red

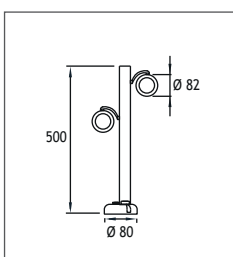


| Power  | Kelvin | Real Lumen Output | Lens        | Code No |
|--------|--------|-------------------|-------------|---------|
| 1W LED | 2700 K | 95 lm             | 10°,25°,40° | 297104  |
| 1W LED | 3000 K | 95 lm             | 10°,25°,40° | 297101  |
| 1W LED | 4000 K | 97 lm             | 10°,25°,40° | 297102  |
| 1W LED | 6000 K | 99 lm             | 10°,25°,40° | 297103  |
| 3W LED | 2700 K | 285 lm            | 10°,25°,40° | 297114  |
| 3W LED | 3000 K | 285 lm            | 10°,25°,40° | 297111  |
| 3W LED | 4000 K | 290 lm            | 10°,25°,40° | 297112  |
| 3W LED | 6000 K | 296 lm            | 10°,25°,40° | 297113  |

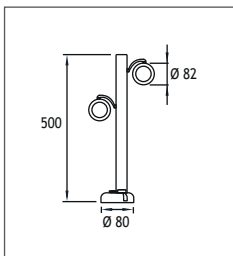


| Power  | Kelvin | Real Lumen Output | Lens        | Code No |
|--------|--------|-------------------|-------------|---------|
| 6W LED | 2700 K | 570 lm            | 10°,25°,40° | 297124  |
| 6W LED | 3000 K | 570 lm            | 10°,25°,40° | 297121  |
| 6W LED | 4000 K | 585 lm            | 10°,25°,40° | 297122  |
| 6W LED | 6000 K | 592 lm            | 10°,25°,40° | 297123  |

12V - 24V (240V A.C with external driver)

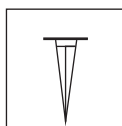


| Power  | Kelvin | Real Lumen Output | Lens        | Code No |
|--------|--------|-------------------|-------------|---------|
| 1W LED | 2700 K | 95 lm             | 10°,25°,40° | 297134  |
| 1W LED | 3000 K | 95 lm             | 10°,25°,40° | 297131  |
| 1W LED | 4000 K | 97 lm             | 10°,25°,40° | 297132  |
| 1W LED | 6000 K | 99 lm             | 10°,25°,40° | 297133  |
| 3W LED | 2700 K | 285 lm            | 10°,25°,40° | 297144  |
| 3W LED | 3000 K | 285 lm            | 10°,25°,40° | 297141  |
| 3W LED | 4000 K | 290 lm            | 10°,25°,40° | 297142  |
| 3W LED | 6000 K | 296 lm            | 10°,25°,40° | 297143  |



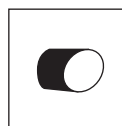
| Power  | Kelvin | Real Lumen Output | Lens        | Code No |
|--------|--------|-------------------|-------------|---------|
| 6W LED | 2700 K | 570 lm            | 10°,25°,40° | 297154  |
| 6W LED | 3000 K | 570 lm            | 10°,25°,40° | 297151  |
| 6W LED | 4000 K | 585 lm            | 10°,25°,40° | 297152  |
| 6W LED | 6000 K | 592 lm            | 10°,25°,40° | 297153  |

12V - 24V (240V A.C with external driver)

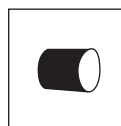


For  
Belkis Mini

**Picket**  
Code No: 953711



**Visor**  
Code No: 953712



**Cylinder Visor**  
Code No: 953713



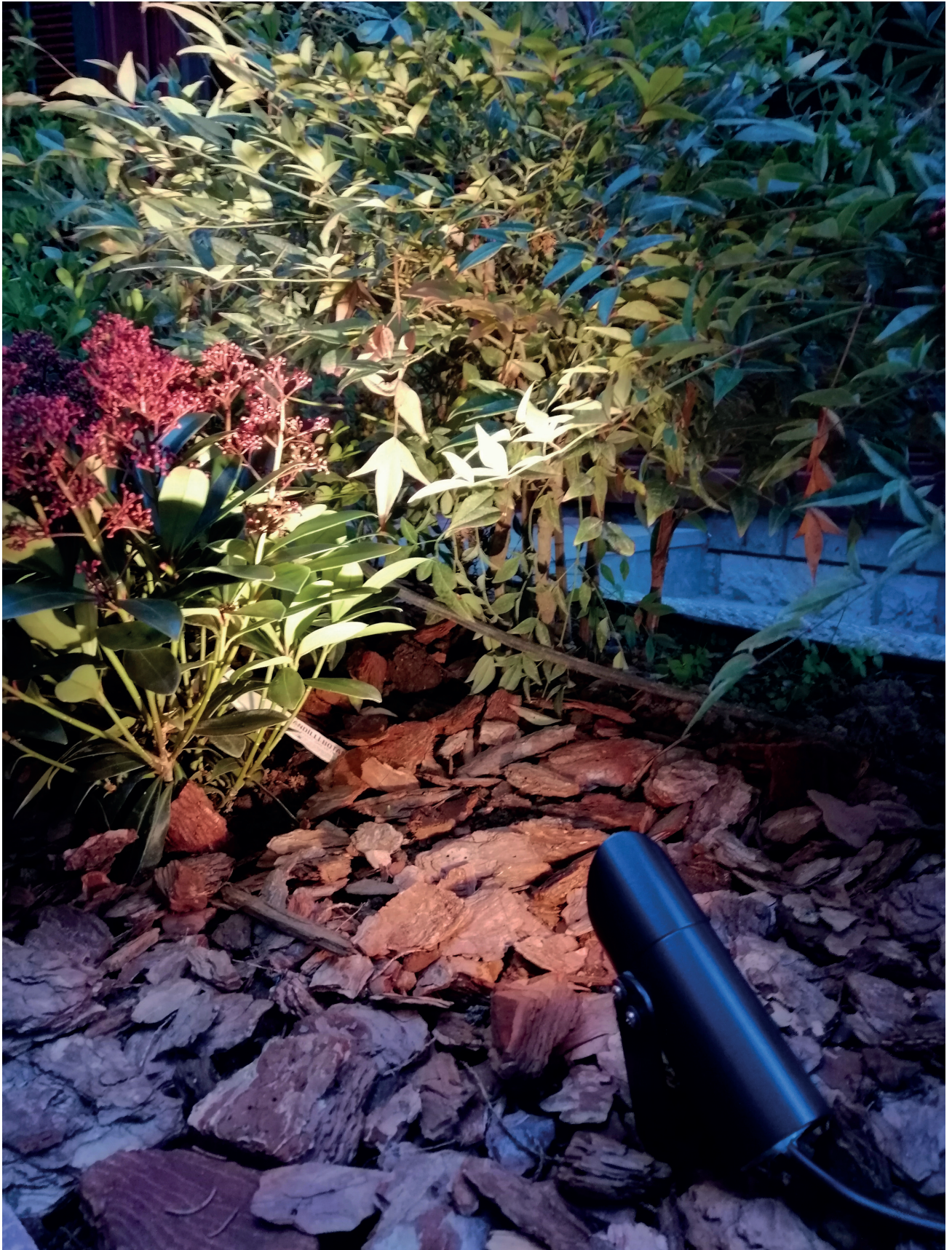
**Honeycomb**  
Code No: 953714



**Clamp**  
Code No: 953715

# EMFA





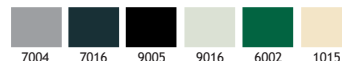


# BELKIS 1

## LED SPOT

### Class I IP67 IK10

Available in any  
of these RAL colors



#### POWER LED or COB LED

**Voltage** : 240V A.C with integrated driver  
(12V - 24V AC or DC on request)

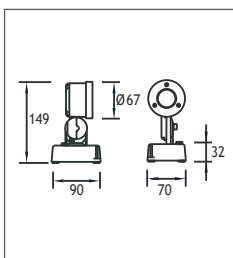
**Lens** : 10°, 25° or 40°

**Diffuser** : Clear Glass 8 mm (Frosted Glass on request)

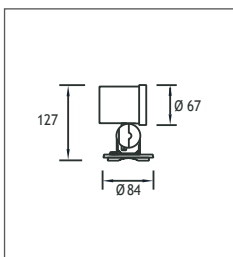
**Cable** : Potted 2m 3x0,75 H03 VV-F

Single color LED options upon request are ;

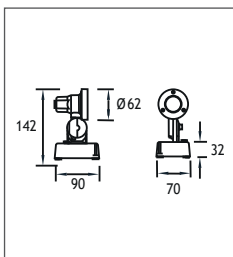
Blue Amber Green Red



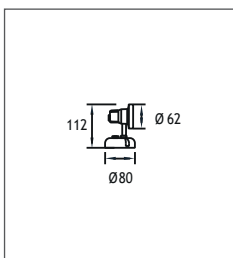
| Power  | Kelvin | Real Lumen Output | Lens        | Code No |
|--------|--------|-------------------|-------------|---------|
| 1W LED | 2700 K | 95 lm             | 10°,25°,40° | 330212  |
| 1W LED | 3000 K | 95 lm             | 10°,25°,40° | 330211  |
| 1W LED | 4000 K | 97 lm             | 10°,25°,40° | 330216  |
| 1W LED | 6000 K | 99 lm             | 10°,25°,40° | 330217  |
| 3W LED | 2700 K | 285 lm            | 10°,25°,40° | 330224  |
| 3W LED | 3000 K | 285 lm            | 10°,25°,40° | 330221  |
| 3W LED | 4000 K | 290 lm            | 10°,25°,40° | 330222  |
| 3W LED | 6000 K | 296 lm            | 10°,25°,40° | 330223  |



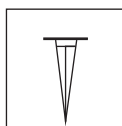
| Power  | Kelvin | Real Lumen Output | Lens        | Code No |
|--------|--------|-------------------|-------------|---------|
| 1W LED | 2700 K | 95 lm             | 10°,25°,40° | 330202  |
| 1W LED | 3000 K | 95 lm             | 10°,25°,40° | 330201  |
| 1W LED | 4000 K | 97 lm             | 10°,25°,40° | 330206  |
| 1W LED | 6000 K | 99 lm             | 10°,25°,40° | 330207  |
| 3W LED | 2700 K | 285 lm            | 10°,25°,40° | 330254  |
| 3W LED | 3000 K | 285 lm            | 10°,25°,40° | 330251  |
| 3W LED | 4000 K | 290 lm            | 10°,25°,40° | 330252  |
| 3W LED | 6000 K | 296 lm            | 10°,25°,40° | 330253  |



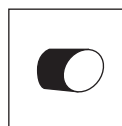
| Power                                     | Lampholder | Lens    | Code No |
|-------------------------------------------|------------|---------|---------|
| 20W HALOGEN                               | Gu4        | 10°,38° | 330121  |
| 12V - 24V (240V A.C with external driver) |            |         |         |



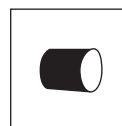
| Power                                     | Lampholder | Lens    | Code No |
|-------------------------------------------|------------|---------|---------|
| 20W HALOGEN                               | Gu4        | 10°,38° | 330101  |
| 12V - 24V (240V A.C with external driver) |            |         |         |



**For Belkis 1**  
**Picket**  
Code No: 953805



**Visor**  
Code No: 953531



**Cylinder Visor**  
Code No: 953581



**Honeycomb**  
Code No: 953521



**Clamp**  
Code No: 953715

# EMFA



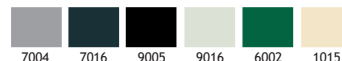


# BELKIS 2

## LED SPOT

### Class I IP67 IK10

Available in any  
of these RAL colors



#### POWER LED or COB LED

**Voltage** : 240V A.C with integrated driver  
(12V - 24V AC or DC on request)

**Lens** : 10°, 25° or 40°

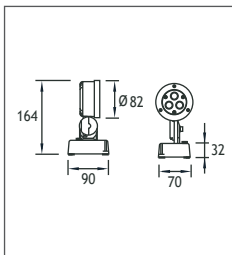
**Diffuser** : Clear Glass 8 mm (Frosted Glass on request)

**Cable** : Potted 2m 3x0,75 H03 VV-F

Single color LED options upon request are ;

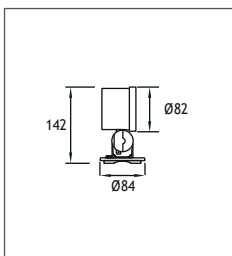
Blue Amber Green Red

#### Power LEDs Driver in Base



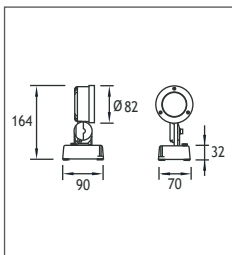
| Power  | Kelvin | Real Lumen Output | Lens        | Code No |
|--------|--------|-------------------|-------------|---------|
| 3W LED | 2700 K | 285 lm            | 10°,25°,40° | 331212  |
| 3W LED | 3000 K | 285 lm            | 10°,25°,40° | 331211  |
| 3W LED | 4000 K | 290 lm            | 10°,25°,40° | 331216  |
| 3W LED | 6000 K | 296 lm            | 10°,25°,40° | 331217  |
| 9W LED | 2700 K | 855 lm            | 10°,25°,40° | 331234  |
| 9W LED | 3000 K | 855 lm            | 10°,25°,40° | 331231  |
| 9W LED | 4000 K | 872 lm            | 10°,25°,40° | 331232  |
| 9W LED | 6000 K | 890 lm            | 10°,25°,40° | 331233  |
| 9W LED | RGB    |                   | 25°,40°     | 331221  |

#### Power LEDs Driver in Head



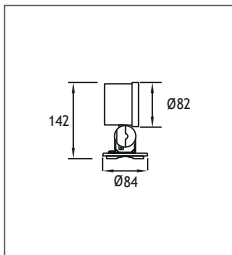
| Power  | Kelvin | Real Lumen Output | Lens        | Code No |
|--------|--------|-------------------|-------------|---------|
| 3W LED | 2700 K | 285 lm            | 10°,25°,40° | 331202  |
| 3W LED | 3000 K | 285 lm            | 10°,25°,40° | 331201  |
| 3W LED | 4000 K | 290 lm            | 10°,25°,40° | 331206  |
| 3W LED | 6000 K | 296 lm            | 10°,25°,40° | 331207  |

#### COB LED Driver in Base

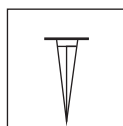


| Power   | Kelvin | Real Lumen Output | Lens        | Code No |
|---------|--------|-------------------|-------------|---------|
| 6W LED  | 2700 K | 570 lm            | 10°,20°,30° | 331243  |
| 6W LED  | 3000 K | 570 lm            | 10°,20°,30° | 121001  |
| 6W LED  | 4000 K | 581 lm            | 10°,20°,30° | 121002  |
| 6W LED  | 6000 K | 592 lm            | 10°,20°,30° | 331244  |
| 11W LED | 2700 K | 1045 lm           | 10°,20°,30° | 331253  |
| 11W LED | 3000 K | 1045 lm           | 10°,20°,30° | 121011  |
| 11W LED | 4000 K | 1065 lm           | 10°,20°,30° | 121012  |
| 11W LED | 6000 K | 1087 lm           | 10°,20°,30° | 331254  |

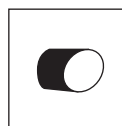
#### COB LED Driver in Head



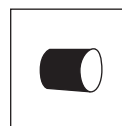
| Power  | Kelvin | Real Lumen Output | Lens        | Code No |
|--------|--------|-------------------|-------------|---------|
| 6W LED | 2700 K | 570 lm            | 10°,20°,30° | 331263  |
| 6W LED | 3000 K | 570 lm            | 10°,20°,30° | 121001  |
| 6W LED | 4000 K | 581 lm            | 10°,20°,30° | 121002  |
| 6W LED | 6000 K | 592 lm            | 10°,20°,30° | 331264  |



**For Belkis 2**  
**Picket**  
Code No: 953825



**Visor**  
Code No: 953532



**Cylinder Visor**  
Code No: 953582



**Honeycomb**  
Code No: 953522



**Clamp**  
Code No: 953715

# EMFA



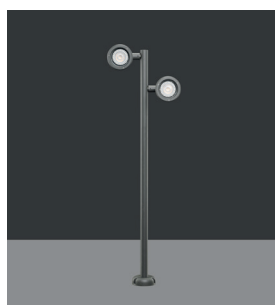
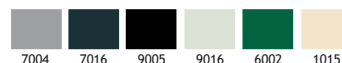


# BELKIS 2

## HALOGEN SPOTS

### Class I IP67 IK10

Available in any  
of these RAL colors



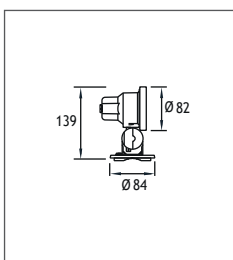
#### HALOGEN

Lampholder : Gu10

Reflector : -

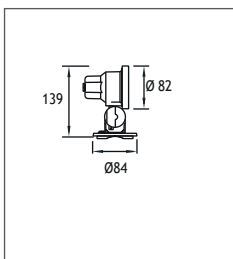
Diffuser : 8 mm Glass

#### BELKIS 2 WITH SIDE ARM



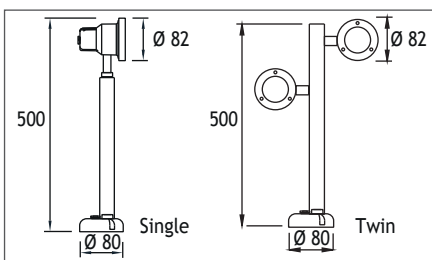
| Power                                     | Lampholder | Lens     | Code No |
|-------------------------------------------|------------|----------|---------|
| 35W, 50W HALOGEN                          | Gu 10      | 25°, 50° | 331121  |
| 12V - 24V (240V A.C with external driver) |            |          |         |

#### BELKIS 2 WITH CENTRAL ARM



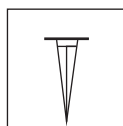
| Power                                     | Lampholder | Lens     | Code No |
|-------------------------------------------|------------|----------|---------|
| 35W, 50W HALOGEN                          | Gu 10      | 25°, 50° | 331141  |
| 12V - 24V (240V A.C with external driver) |            |          |         |

#### HIGH SPOT

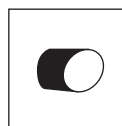


| Power            | Lampholder | Lens     | Code No |        |
|------------------|------------|----------|---------|--------|
|                  |            |          | Single  | Twin   |
| 35W, 50W HALOGEN | Gu 10      | 25°, 50° | 331501  | 331601 |
| 240V A.C         |            |          |         |        |

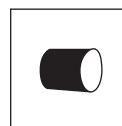
For  
Belkis 2



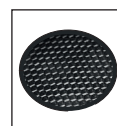
**Picket**  
Code No: 953825



**Visor**  
Code No: 953532



**Cylinder Visor**  
Code No: 953582



**Honeycomb**  
Code No: 953522



**Clamp**  
Code No: 953715

# EMFA



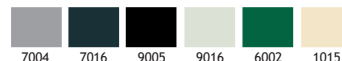


# BELKIS 3

## LED SPOT

### Class I IP67 IK10

Available in any  
of these RAL colors



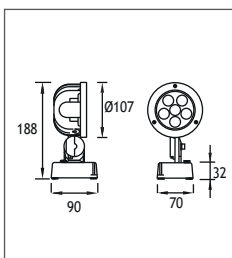
#### POWER LED or COB LED

**Voltage** : 240V A.C with integrated driver  
(24V AC or DC on request)

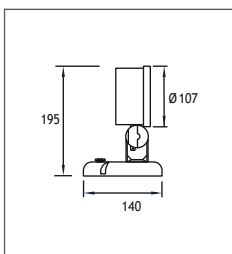
**Lens** : 10°, 25°, 40° / (Mirror TIR Lens Options)

**Diffuser** : Clear Glass 8 mm (Frosted Glass on request)

**Cable** : Potted 5m 3x0,75 H03 VV-F

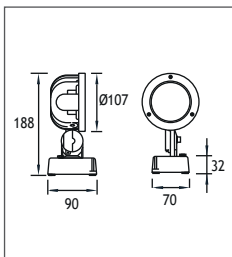


| Power   | Kelvin | Real Lumen Output | Lens        | Code No |
|---------|--------|-------------------|-------------|---------|
| 3W LED  | 2700 K | 570 lm            | 10°,25°,40° | 331312  |
| 3W LED  | 3000 K | 570 lm            | 10°,25°,40° | 331311  |
| 3W LED  | 4000 K | 581 lm            | 10°,25°,40° | 331316  |
| 3W LED  | 6000 K | 592 lm            | 10°,25°,40° | 331317  |
| 18W LED | 2700 K | 1710 lm           | 10°,25°,40° | 331334  |
| 18W LED | 3000 K | 1710 lm           | 10°,25°,40° | 331331  |
| 18W LED | 4000 K | 1744 lm           | 10°,25°,40° | 331332  |
| 18W LED | 6000 K | 1779 lm           | 10°,25°,40° | 331333  |
| 18W LED | RGB    |                   | 25°,40°     | 331321  |

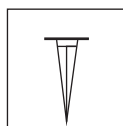


| Power  | Kelvin | Real Lumen Output | Lens        | Code No |
|--------|--------|-------------------|-------------|---------|
| 6W LED | 2700 K | 570 lm            | 10°,25°,40° | 331302  |
| 6W LED | 3000 K | 570 lm            | 10°,25°,40° | 331301  |
| 6W LED | 4000 K | 581 lm            | 10°,25°,40° | 331306  |
| 6W LED | 6000 K | 592 lm            | 10°,25°,40° | 331307  |

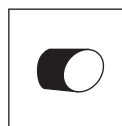
#### TIR LENS



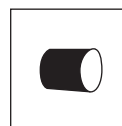
| Power   | Kelvin | Real Lumen Output | Lens        | Code No |
|---------|--------|-------------------|-------------|---------|
| 12W LED | 2700 K | 1140 lm           | 10°,20°,30° | 331343  |
| 12W LED | 3000 K | 1140 lm           | 10°,20°,30° | 121101  |
| 12W LED | 4000 K | 1162 lm           | 10°,20°,30° | 121102  |
| 18W LED | 2700 K | 1710 lm           | 10°,20°,30° | 331353  |
| 18W LED | 3000 K | 1710 lm           | 10°,20°,30° | 121111  |
| 18W LED | 4000 K | 1744 lm           | 10°,20°,30° | 121112  |



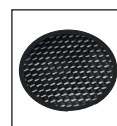
**For Belkis 3**  
**Picket**  
Code No: 953805



**Visor**  
Code No: 953531



**Cylinder Visor**  
Code No: 953583



**Honeycomb**  
Code No: 953523



**Clamp**  
Code No: 953715

# EMFA





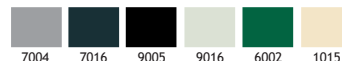


# BELKIS 4

## LED SPOT

### Class I IP67 IK10

Available in any  
of these RAL colors



#### POWER LED or COB LED

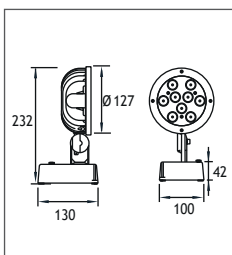
**Voltage** : 240V A.C with integrated driver  
(24V AC or DC on request)

**Lens** : 10°, 25°, 40°

**Diffuser** : Clear Glass 8 mm (Frosted Glass on request)

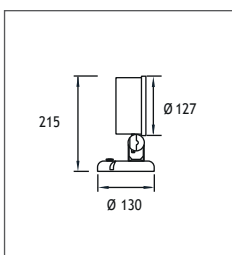
**Cable** : Potted 5m 3x0,75 H03 VV-F

#### DRIVER IN BASE



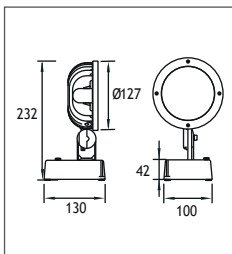
| Power   | Kelvin | Real Lumen Output | Lens        | Code No |
|---------|--------|-------------------|-------------|---------|
| 9W LED  | 2700 K | 855 lm            | 10°,25°,40° | 331412  |
| 9W LED  | 3000 K | 855 lm            | 10°,25°,40° | 331411  |
| 9W LED  | 4000 K | 872 lm            | 10°,25°,40° | 331416  |
| 9W LED  | 6000 K | 890 lm            | 10°,25°,40° | 331417  |
| 27W LED | 2700 K | 2560 lm           | 10°,25°,40° | 331424  |
| 27W LED | 3000 K | 2560 lm           | 10°,25°,40° | 331421  |
| 27W LED | 4000 K | 2610 lm           | 10°,25°,40° | 331422  |
| 27W LED | 6000 K | 2670 lm           | 10°,25°,40° | 331423  |

#### DRIVER IN HEAD

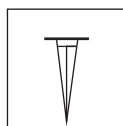


| Power                                     | Kelvin | Real Lumen Output | Lens        | Code No |
|-------------------------------------------|--------|-------------------|-------------|---------|
| 9W LED                                    | 2700 K | 855 lm            | 10°,25°,40° | 331402  |
| 9W LED                                    | 3000 K | 855 lm            | 10°,25°,40° | 331401  |
| 9W LED                                    | 4000 K | 872 lm            | 10°,25°,40° | 331406  |
| 9W LED                                    | 6000 K | 890 lm            | 10°,25°,40° | 331407  |
| 12V - 24V (240V A.C with external driver) |        |                   |             |         |

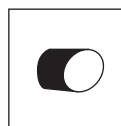
#### TIR LENS



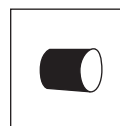
| Power   | Kelvin | Real Lumen Output | Lens        | Code No |
|---------|--------|-------------------|-------------|---------|
| 25W LED | 2700 K | 2375 lm           | 10°,20°,30° | 121203  |
| 25W LED | 3000 K | 2375 lm           | 10°,20°,30° | 121201  |
| 25W LED | 4000 K | 2422 lm           | 10°,20°,30° | 121202  |
| 32W LED | 2700 K | 3040 lm           | 10°,20°,30° | 121213  |
| 32W LED | 3000 K | 3040 lm           | 10°,20°,30° | 121211  |
| 32W LED | 4000 K | 3100 lm           | 10°,20°,30° | 121212  |



**For Belkis 4**  
**Picket**  
Code No: 953805



**Visor**  
Code No: 953531



**Cylinder Visor**  
Code No: 953584



**Honeycomb**  
Code No: 953524



**Clamp**  
Code No: 953715

# EMFA



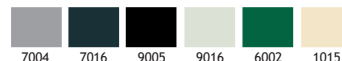


# BELKIS 5

## LED SPOT

### Class I IP67 IK10

Available in any  
of these RAL colors



#### POWER LED or COB LED

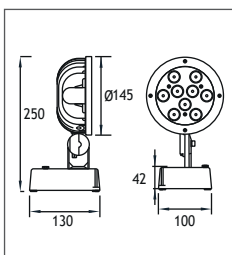
**Voltage** : 240V A.C with integrated driver  
(24V AC or DC on request)

**Lens** : 10°, 25°, 40° / (Mirror TIR Lens Options)

**Diffuser** : Clear Glass 8 mm (Frosted Glass on request)

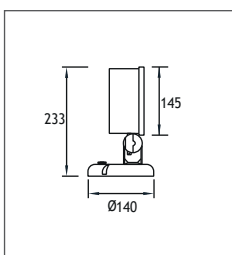
**Cable** : Potted 5m 3x0,75 H03 VV-F

#### DRIVER IN BASE

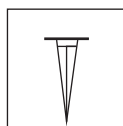


| Power   | Kelvin | Real Lumen Output | Lens        | Code No |
|---------|--------|-------------------|-------------|---------|
| 9W LED  | 2700 K | 855 lm            | 10°,25°,40° | 425632  |
| 9W LED  | 3000 K | 855 lm            | 10°,25°,40° | 425631  |
| 9W LED  | 4500 K | 872 lm            | 10°,25°,40° | 425636  |
| 9W LED  | 6000 K | 890 lm            | 10°,25°,40° | 425637  |
| 27W LED | 2700 K | 2560 lm           | 10°,25°,40° | 425652  |
| 27W LED | 3000 K | 2560 lm           | 10°,25°,40° | 425651  |
| 27W LED | 4500 K | 2670 lm           | 10°,25°,40° | 425653  |
| 27W LED | RGB    |                   | 10°,25°,40° | 425641  |

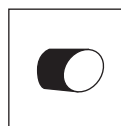
#### DRIVER IN HEAD



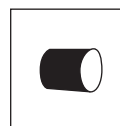
| Power  | Kelvin | Real Lumen Output | Lens        | Code No |
|--------|--------|-------------------|-------------|---------|
| 9W LED | 2700 K | 855 lm            | 10°,25°,40° | 425612  |
| 9W LED | 3000 K | 855 lm            | 10°,25°,40° | 425611  |
| 9W LED | 4500 K | 872 lm            | 10°,25°,40° | 425616  |
| 9W LED | 6000 K | 890 lm            | 10°,25°,40° | 425617  |



**For Belkis 5** **Picket**  
Code No: 953805



**Visor**  
Code No: 953531



**Cylinder Visor**  
Code No: 953585



**Honeycomb**  
Code No: 953525



**Clamp**  
Code No: 953715

# EMFA

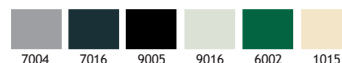


# BELKIS 5

## HALOGEN SPOT

### Class I IP67 IK10

Available in any  
of these RAL colors



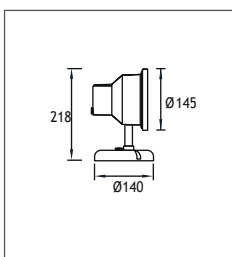
#### HALOGEN

Lampholder : E27

Reflector : -

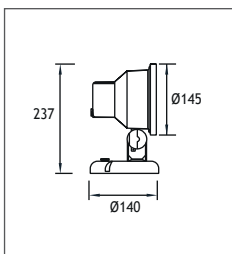
Diffuser : 8 mm Clear Glass

#### WITH SIDE ARM



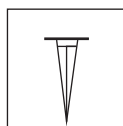
| Power                                     | Lampholder | Lens     | Code No |
|-------------------------------------------|------------|----------|---------|
| PAR 30 75W                                | E27        | 10°, 30° | 332121  |
| 12V - 24V (240V A.C with external driver) |            |          |         |

#### WITH CENTRAL ARM

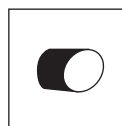


| Power                                     | Lampholder | Lens     | Code No |
|-------------------------------------------|------------|----------|---------|
| PAR 30 75W                                | E27        | 10°, 30° | 332131  |
| 12V - 24V (240V A.C with external driver) |            |          |         |

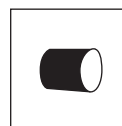
For  
Belkis 5



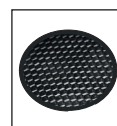
**Picket**  
Code No: 953805



**Visor**  
Code No: 953531



**Cylinder Visor**  
Code No: 953585

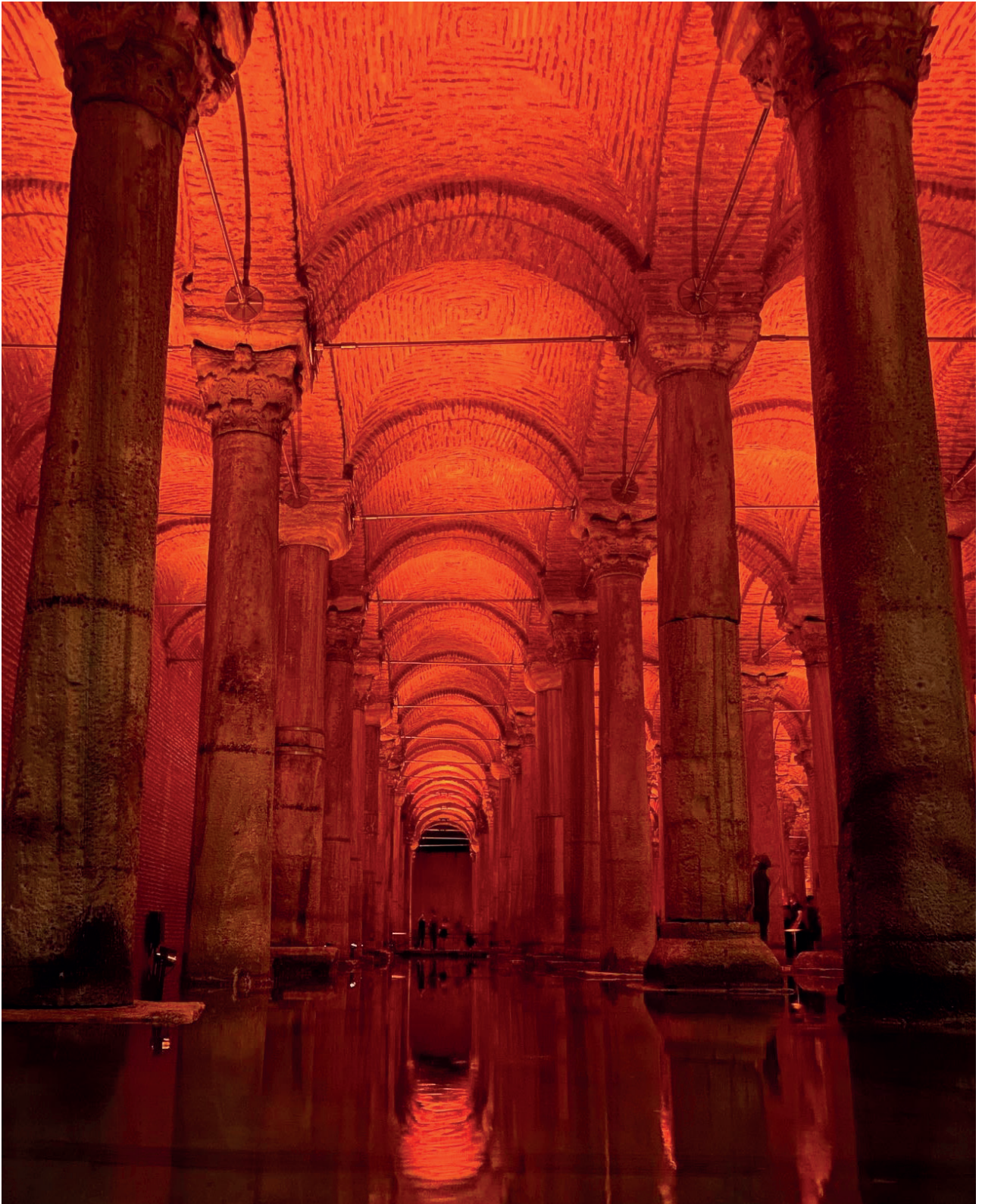


**Honeycomb**  
Code No: 953525



**Clamp**  
Code No: 953715

# EMFA





# BELKIS 5 SPOTS

## Class I IP67 IK10

Available in any of these RAL colors

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 7004 | 7016 | 9005 | 9016 | 6002 | 1015 |
|------|------|------|------|------|------|



Compact Fluo



Metal Halide



With Gearbox

### HALOGEN

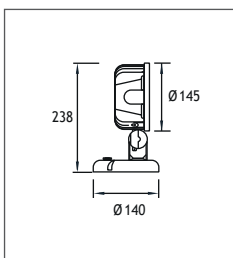
Lampholder : Gx 53, PGJ 5, G 8.5

Diffuser : Clear Glass 8 mm

Gear : Electronic (in lamp)

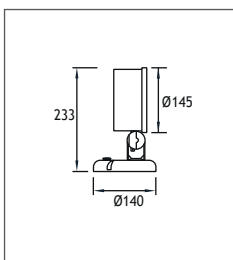
Cable : Potted 5m 3x0,75 H03 VV-F

### SIDE ARM



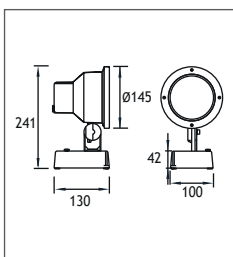
| Power                                     | Lampholder | Code No |
|-------------------------------------------|------------|---------|
| 11W COMPACT FLUO AR111                    | Gx 53      | 332414  |
| 12V - 24V (240V A.C with external driver) |            |         |

### CENTRAL METAL HALIDE



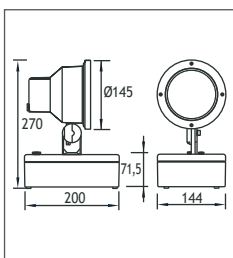
| Power                                     | Lampholder | Reflector | Code No |
|-------------------------------------------|------------|-----------|---------|
| METAL HALIDE 20W                          | PGJ 5      | 25°       | 332151  |
| 12V - 24V (240V A.C with external driver) |            |           |         |

### WITH GEARBOX

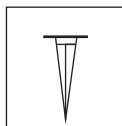


| Power                                     | Lampholder | Lens       | Code No |
|-------------------------------------------|------------|------------|---------|
| 35W METAL HALIDE HALOGEN                  | PGJ 5      | 9°,17°,25° | 332181  |
| 70W METAL HALIDE HALOGEN                  | PGJ 5      | 9°,17°,25° | 332191  |
| 35W METAL HALIDE CDMR-111 HALOGEN         | PGJ 5      | 9°,17°,25° | 332201  |
| 70W METAL HALIDE CDMR-111 HALOGEN         | PGJ 5      | 9°,17°,25° | 332211  |
| 12V - 24V (240V A.C with external driver) |            |            |         |

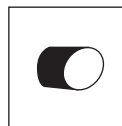
### WITH GEARBOX



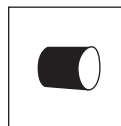
| Power                                     | Lampholder | Lens       | Code No |
|-------------------------------------------|------------|------------|---------|
| 35W METAL HALIDE HALOGEN                  | G 8.5      | 9°,17°,25° | 332221  |
| 70W METAL HALIDE HALOGEN                  | G 8.5      | 9°,17°,25° | 332231  |
| 35W METAL HALIDE CDMR-111 HALOGEN         | G 8.5      | 9°,17°,25° | 332241  |
| 70W METAL HALIDE CDMR-111 HALOGEN         | G 8.5      | 9°,17°,25° | 332251  |
| 12V - 24V (240V A.C with external driver) |            |            |         |



For Belkis 5  
Picket  
Code No: 953805



Visor  
Code No: 953531



Cylinder Visor  
Code No: 953585



Honeycomb  
Code No: 953525



Clamp  
Code No: 953715

# EMFA

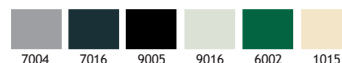




# BELKIS 6 SPOTS WITH GEARBOX

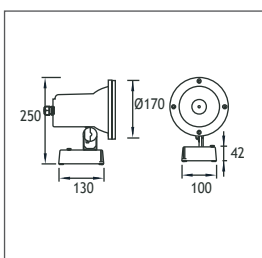
## Class I IP67 IK10

Available in any  
of these RAL colors

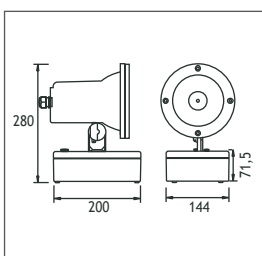


### HALOGEN

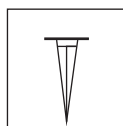
Lampholder : G12  
Reflector : 30°, 42°  
Diffuser : Clear Glass  
Gear : Electronic



| Power                                     | Lampholder | Lens     | Code No |
|-------------------------------------------|------------|----------|---------|
| 35W METAL HALIDE HALOGEN                  | G12        | 30°, 42° | 138201  |
| 70W METAL HALIDE HALOGEN                  | G12        | 30°, 42° | 138211  |
| 12V - 24V (240V A.C with external driver) |            |          |         |

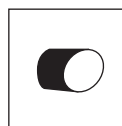


| Power                                     | Lampholder | Lens     | Code No |
|-------------------------------------------|------------|----------|---------|
| 150W METAL HALIDE HALOGEN                 | G12        | 30°, 42° | 138221  |
| 12V - 24V (240V A.C with external driver) |            |          |         |

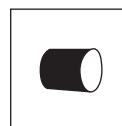


For  
Belkis 6

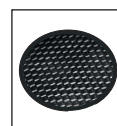
**Picket**  
Code No: 953805



**Visor**  
Code No: 953531



**Cylinder Visor**  
Code No: 953586



**Honeycomb**  
Code No: 953525



**Clamp**  
Code No: 953715

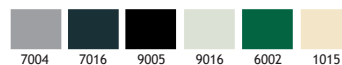
# EMFA

# RESPOT 3

## SPOT WITH RECESSED GEARBOX

### Class I IP67 IK10

Available in any  
of these RAL colors

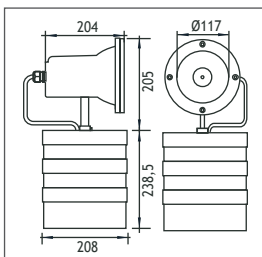


#### HALOGEN

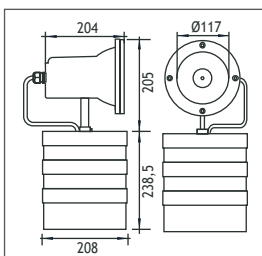
Lampholder : G12, Gx8.5

Reflector : 30°, 42°

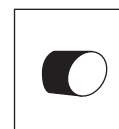
Diffuser : Clear Glass



| Power                                     | Lampholder | Lens     | Code No |
|-------------------------------------------|------------|----------|---------|
| 35W METAL HALIDE HALOGEN                  | G12        | 30°, 42° | 137101  |
| 70W METAL HALIDE HALOGEN                  | G12        | 30°, 42° | 137111  |
| 12V - 24V (240V A.C with external driver) |            |          |         |



| Power                                     | Lampholder | Lens     | Code No |
|-------------------------------------------|------------|----------|---------|
| 35W METAL HALIDE CDM-R111 HALOGEN         | Gx8.5      | 30°, 42° | 137121  |
| 70W METAL HALIDE CDM-R111 HALOGEN         | Gx8.5      | 30°, 42° | 137131  |
| 12V - 24V (240V A.C with external driver) |            |          |         |



For  
RESPOT 3

Visor  
Code No: 953536



# HARRAN

## LED SPOTS

### Class I IP67 IK10

Available in any of these RAL colors

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 7004 | 7016 | 9005 | 9016 | 6002 | 1015 |
|------|------|------|------|------|------|

The Harran Spot series has an LED source to deliver the desired light effect to facades, columns, bridges, monuments, signs, and trees. The series is made of die cast aluminium and painted with electrostatic powder paint. 6 standard RAL colors can be chosen from to adapt the spots to their environment (grey, anthracite, black, white, green and beige). The spots can be mounted on surfaces, in the ground or concrete with a picket, or on a pole with the addition of a simple adaptor. Once installed, the special joint system allows for 100° horizontal and 180° vertical adjustment.

The LEDs used come in 3 different tones of white (2700K, 3000K, 4000K) Several lenses from 10 to 30 degrees are available to choose from to achieve the desired the light effect.

#### Body

Die cast aluminium

#### Paint

Electrostatic powder

#### Gearbox Cover

Die cast aluminium

#### Gaskets

Silicone

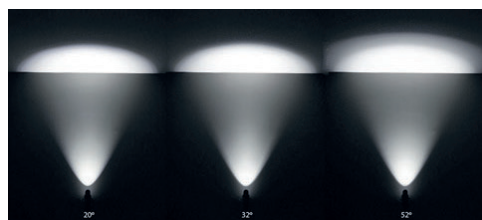
#### Diffusers

Tempered Glass



#### “Customization” is EMFA’s standard

EMFA offers many combinations for each fixture, as all fixtures are made in house. A combination of 6 standard paint colors, 8 LED colors, 2 wattages, and 5 or more lenses and reflectors are available to make the fixture suitable for the required application. This is done without increasing lead-time and is available for large as well as small quantities.

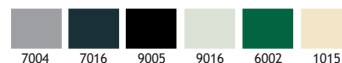


#### LEDs

Only highest quality LEDs such as Cree or Toplite are used in production allowing for maximum lumen output and maximum lifetime. Most LEDs run on 350mA or 700mA depending on how much light output is required. The white color temperature binning is 200K at most, and always on the same x,y coordinates on the CIE diagram in accordance with Energy Star. This ensures consistent supply of the same color temperature over time. As LEDs are constantly developing and becoming more efficient, lumen output given in this catalogue are current as of March 2020. At 2700K, 3000K, and 4000K LED lumen output per led is 110lm; at 6000K the lumen output per led is 125lm. Total Lighting Output as printed in this catalogue is the actual light output of the entire fixture. The minimum CRI of the LEDs used is 85 with a majority of products over 90.

#### Thermal Management

All fixtures are designed to withstand ambient temperatures of at least 50°C. The LEDs are mounted on metal core pcbs, which are mounted to the aluminium body of the fixture so that the entire fixture acts as a heat sink. Extensive testing is performed in EMFA’s laboratory to ensure these values are maintained so that the lifetime of the LED is not compromised.



### COB LED

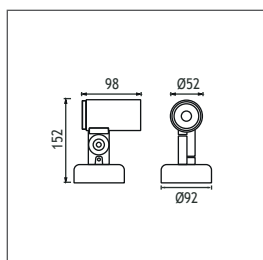
**Voltage** : 240V A.C with integrated driver  
(24V AC or DC on request)

**Lens** : 10°, 25°, 40° or 60°

**Diffuser** : Clear Glass 8 mm (Frosted Glass on request)

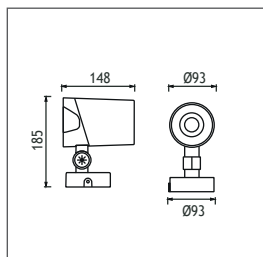
**Cable** : Potted 2 m 3x1 H03 VV-F

### HARRAN MINI



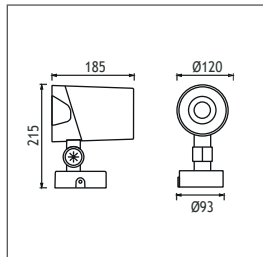
| Power  | Kelvin | Real Lumen Output | Lens            | Code No |
|--------|--------|-------------------|-----------------|---------|
| 6W LED | 2700 K | 570 lm            | 10°,25°,40°,60° | 155001  |
| 6W LED | 3000 K | 570 lm            | 10°,25°,40°,60° | 155002  |
| 6W LED | 4500 K | 581 lm            | 10°,25°,40°,60° | 155003  |
| 6W LED | 6000 K | 592 lm            | 10°,25°,40°,60° | 155004  |

### HARRAN 2



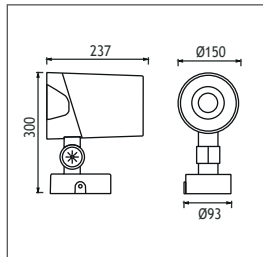
| Power   | Kelvin | Real Lumen Output | Lens            | Code No |
|---------|--------|-------------------|-----------------|---------|
| 18W LED | 2700 K | 1710 lm           | 10°,25°,40°,60° | 155101  |
| 18W LED | 3000 K | 1710 lm           | 10°,25°,40°,60° | 155102  |
| 18W LED | 4500 K | 1744 lm           | 10°,25°,40°,60° | 155103  |
| 18W LED | 6000 K | 1779 lm           | 10°,25°,40°,60° | 155104  |

### HARRAN 3

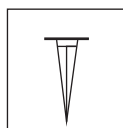


| Power   | Kelvin | Real Lumen Output | Lens            | Code No |
|---------|--------|-------------------|-----------------|---------|
| 36W LED | 2700 K | 3420 lm           | 10°,25°,40°,60° | 155201  |
| 36W LED | 3000 K | 3420 lm           | 10°,25°,40°,60° | 155202  |
| 36W LED | 4500 K | 3480 lm           | 10°,25°,40°,60° | 155203  |
| 36W LED | 6000 K | 3550 lm           | 10°,25°,40°,60° | 155204  |

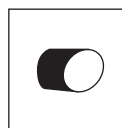
### HARRAN 4



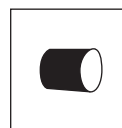
| Power   | Kelvin | Real Lumen Output | Lens            | Code No |
|---------|--------|-------------------|-----------------|---------|
| 70W LED | 2700 K | 6650 lm           | 10°,25°,40°,60° | 155301  |
| 70W LED | 3000 K | 6650 lm           | 10°,25°,40°,60° | 155302  |
| 70W LED | 4500 K | 6780 lm           | 10°,25°,40°,60° | 155303  |
| 70W LED | 6000 K | 6920 lm           | 10°,25°,40°,60° | 155304  |



**For Harran**  
**Picket**  
Code No: 953941



**Visor**  
Code No: 953942



**Cylinder Visor**  
Code No: 953943



**Honeycomb**  
Code No: 953944



**Clamp**  
Code No: 953945



# EDESA

## LED SPOTS

### Class I IP67 IK10

Available in any of these RAL colors

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 7004 | 7016 | 9005 | 9016 | 6002 | 1015 |
|------|------|------|------|------|------|

The Edessa Spot series has an LED source to deliver the desired light effect to facades, columns, bridges, monuments, signs, and trees. The series is made of die-cast aluminium and painted with electrostatic powder paint. Six standard RAL colors can be chosen to adapt the spots to their environment (grey, anthracite, black, white, green, and beige). The spots can be mounted on surfaces, in the ground or concrete with a picket, or on a pole with the addition of a simple adaptor. Once installed, the special joint system allows for 100° horizontal and 180° vertical adjustment.

The LEDs used come in three different tones of white (2700K, 3000K, 4000K). Several lenses from 10° to 30° are available to choose from to achieve the desired light effect.

#### Body

Die cast aluminium

#### Paint

Electrostatic powder

#### Gearbox Cover

Die cast aluminium

#### Gaskets

Silicone

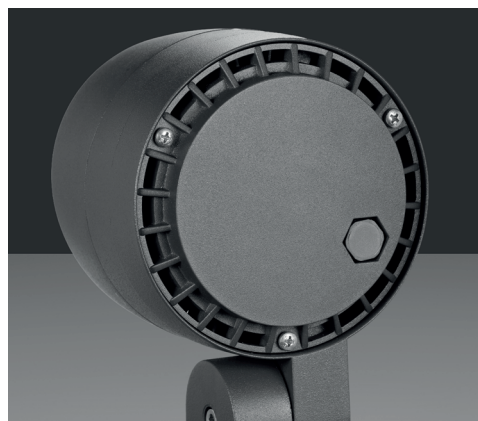
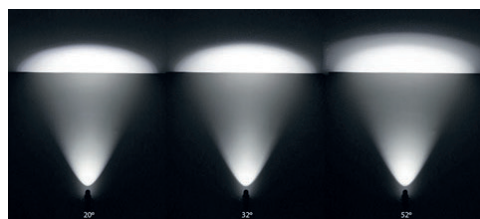
#### Diffusers

Tempered Glass



#### “Customization” is EMFA’s standard

EMFA offers many combinations for each fixture, as all fixtures are made in house. A combination of 6 standard paint colors, 8 LED colors, 2 wattages, and 5 or more lenses and reflectors are available to make the fixture suitable for the required application. This is done without increasing lead-time and is available for large as well as small quantities.



#### LEDs

Only highest quality LEDs such as Cree or Toplite are used in production allowing for maximum lumen output and maximum lifetime. Most LEDs run on 350mA or 700mA depending on how much light output is required. The white color temperature binning is 200K at most, and always on the same x,y coordinates on the CIE diagram in accordance with Energy Star. This ensures consistent supply of the same color temperature over time. As LEDs are constantly developing and becoming more efficient, lumen output given in this catalogue are current as of March 2020. At 2700K, 3000K, and 4000K LED lumen output per led is 110lm; at 6000K the lumen output per led is 125lm. Total Lighting Output as printed in this catalogue is the actual light output of the entire fixture. The minimum CRI of the LEDs used is 85 with a majority of products over 90.

#### Thermal Management

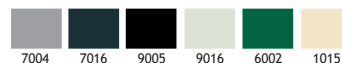
All fixtures are designed to withstand ambient temperatures of at least 50°C. The LEDs are mounted on metal core pcbs, which are mounted to the aluminium body of the fixture so that the entire fixture acts as a heat sink. Extensive testing is performed in EMFA’s laboratory to ensure these values are maintained so that the lifetime of the LED is not compromised.

# EDESA

## LED SPOTS

### Class I IP67 IK10

Available in any  
of these RAL colors



#### COB LED

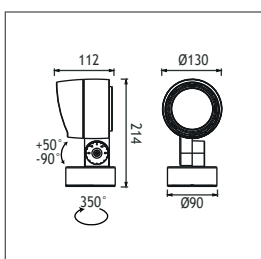
**Voltage** : 240V A.C with integrated driver  
(24V AC or DC on request)

**Lens** : 10°, 25°, 40° or 60°

**Diffuser** : Clear Glass 8 mm (Frosted Glass on request)

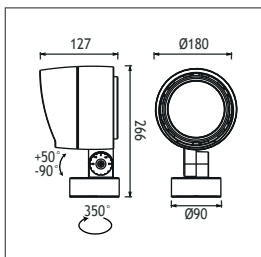
**Cable** : Potted 2 m 3x1 H03 VV-F

#### EDESSA 2



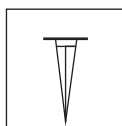
| Power   | Kelvin | Real Lumen Output | Lens            | Code No |
|---------|--------|-------------------|-----------------|---------|
| 18W LED | 2700 K | 1710 lm           | 10°,25°,40°,60° | 188001  |
| 18W LED | 3000 K | 1710 lm           | 10°,25°,40°,60° | 188002  |
| 18W LED | 4500 K | 1744 lm           | 10°,25°,40°,60° | 188003  |
| 18W LED | 6000 K | 1779 lm           | 10°,25°,40°,60° | 188004  |

#### EDESSA 3

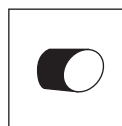


| Power   | Kelvin | Real Lumen Output | Lens            | Code No |
|---------|--------|-------------------|-----------------|---------|
| 36W LED | 2700 K | 3420 lm           | 10°,25°,40°,60° | 188101  |
| 36W LED | 3000 K | 3420 lm           | 10°,25°,40°,60° | 188102  |
| 36W LED | 4500 K | 3480 lm           | 10°,25°,40°,60° | 188103  |
| 36W LED | 6000 K | 3550 lm           | 10°,25°,40°,60° | 188104  |

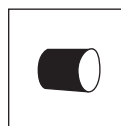
For  
Edessa



**Picket**  
Code No: 953951



**Visor**  
Code No: 953952



**Cylinder Visor**  
Code No: 953953



**Honeycomb**  
Code No: 953954



**Clamp**  
Code No: 953955

# EMFA