

# MIRA 5

## RECESSED WALK OVER FIXTURES

Load 20 kN | Class I IP67 IK10

The Mira series consists of a range of LED sources to deliver the desired light effect to facades, columns, bridges, monuments, and signs. The series is made of a die cast aluminium body with electrostatic powder paint finished with a 316L stainless steel cover. The recessed versions are for Walk over up to 20 kN including a stainless steel recessing box. The surface mounted versions come with a heavy-duty 316L stainless steel bracket. The fixtures come with integrated electronic ballasts and a specially developed potted power cable to effectively bond with the cast resin and stop any water ingress. 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 the light effect.

### Cover

316L Stainless steel

### Body

Die cast aluminium

### Diffusers

12 mm Tempered Glass

### Gaskets

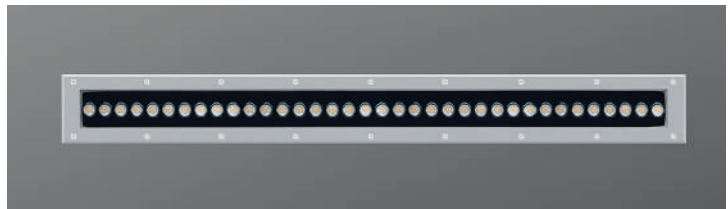
Silicone

### Screws

316L Stainless Steel

### Recessing Box

Steel



### “Customization” is EMFA’s standard

EMFA offers many combinations for each fixture, as all fixtures are made in house. A combination of 2 finishes of stainless steel, 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.

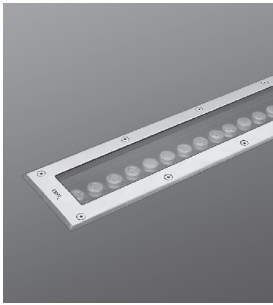
### Thermal Management

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.

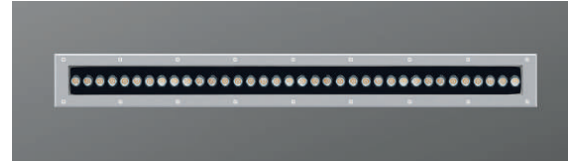
# MIRA 5

## RECESSED WALK OVER FIXTURES

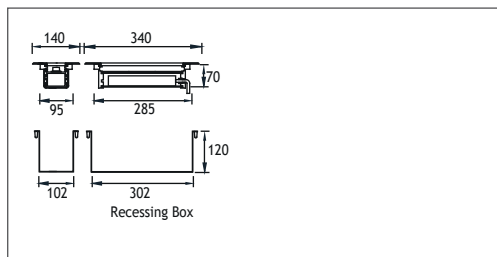
Load 20 kN | Class I IP67 IK10



**Led** : Power LEDs  
**Voltage** : 240 VAC with integrated driver (12-24 VDC on request)  
**Diffuser** : 12mm Tempered Glass  
**Mac Adam** : 3  
**CRI** : >80 or >90  
**Cable** : Potted 1m 3x1 H03 VV-F  
 Single color LED options upon request are ;  
 ● Blue ● Amber ● Green ● Red

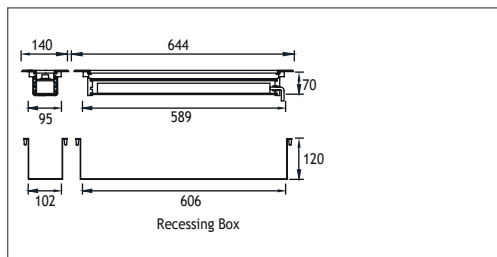


### 340mm



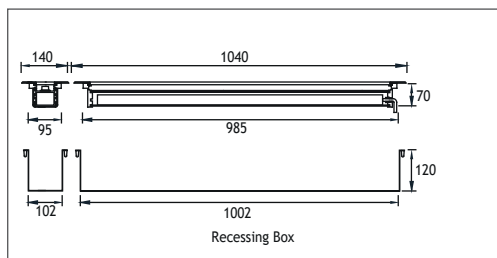
| Power | Kelvin | Real Lumen Output    | Lens          | Code No |
|-------|--------|----------------------|---------------|---------|
| 9W    | 2700 K | 855 lm               | 10°, 25°, 40° | 441005  |
| 9W    | 3000 K | 855 lm               | 10°, 25°, 40° | 441001  |
| 9W    | 4000 K | 872 lm               | 10°, 25°, 40° | 441002  |
| 9W    | 6000 K | 890 lm               | 10°, 25°, 40° | 441003  |
| 27W   | RGB    | ● Red ● Green ● Blue | 25°, 40°      | 441004  |

### 644mm



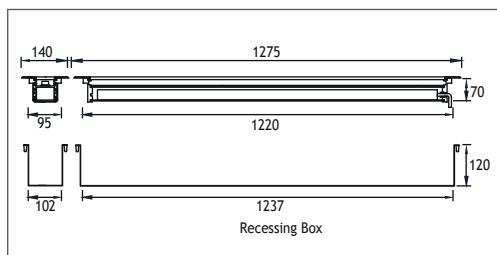
| Power | Kelvin | Real Lumen Output    | Lens          | Code No |
|-------|--------|----------------------|---------------|---------|
| 18W   | 2700 K | 1710 lm              | 10°, 25°, 40° | 441105  |
| 18W   | 3000 K | 1710 lm              | 10°, 25°, 40° | 441101  |
| 18W   | 4000 K | 1744 lm              | 10°, 25°, 40° | 441102  |
| 18W   | 6000 K | 1779 lm              | 10°, 25°, 40° | 441103  |
| 54W   | RGB    | ● Red ● Green ● Blue | 25°, 40°      | 441104  |

### 1040mm



| Power | Kelvin | Real Lumen Output    | Lens          | Code No |
|-------|--------|----------------------|---------------|---------|
| 36W   | 2700 K | 3420 lm              | 10°, 25°, 40° | 441205  |
| 36W   | 3000 K | 3420 lm              | 10°, 25°, 40° | 441201  |
| 36W   | 4000 K | 3488 lm              | 10°, 25°, 40° | 441202  |
| 36W   | 6000 K | 2558 lm              | 10°, 25°, 40° | 441203  |
| 81W   | RGB    | ● Red ● Green ● Blue | 25°, 40°      | 441204  |

### 1275mm



| Power | Kelvin | Real Lumen Output | Lens          | Code No |
|-------|--------|-------------------|---------------|---------|
| 45W   | 2700 K | 4275 lm           | 10°, 25°, 40° | 441304  |
| 45W   | 3000 K | 4275 lm           | 10°, 25°, 40° | 441301  |
| 45W   | 4000 K | 4360 lm           | 10°, 25°, 40° | 441302  |
| 45W   | 6000 K | 4360 lm           | 10°, 25°, 40° | 441303  |



# MILET ANI

## RECESSED WALK OVER FIXTURES

Load 2 kN | Class I IP67 IK10

EMFA's Ani step mounted series is specially designed to deliver low-glare lighting to facades, columns, monuments, and trees with minimal installation depth and narrow trim. The fixture is made of a combination of 316L stainless steel and die cast aluminium. The tilted design reduces the glare of the LED's. The Linear LEDs with special lenses gives excellent wallwashing effect. An anti-slip glass is available upon request.

### Cover

316L Stainless steel

### Body

Die cast aluminium

### Gaskets

Silicone

### Diffusers

8 mm Tempered Glass

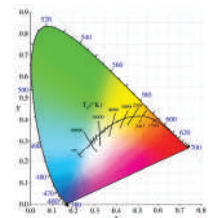
### Screws

316L Stainless Steel

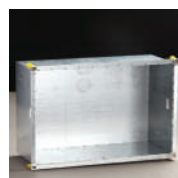


### "Customization" is EMFA's standard

EMFA offers many combinations for each fixture, as all fixtures are made in house. A combination of 6 standard paint colors, 8 LED colors, and 2 wattages, and 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.



### Symmetrical

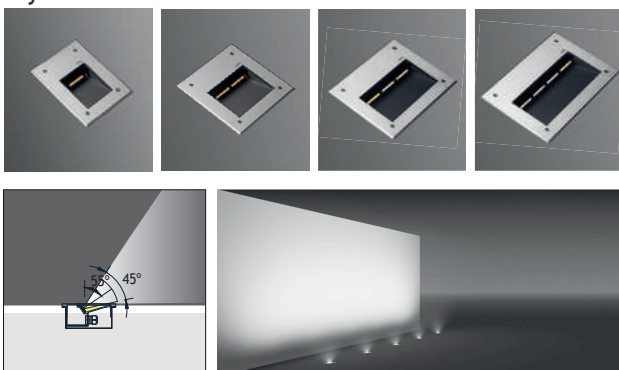


Galvanized  
Recessing Box

### 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 100lm; 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.

### Asymmetrical



### Asym. Glass



### Trenched Glass



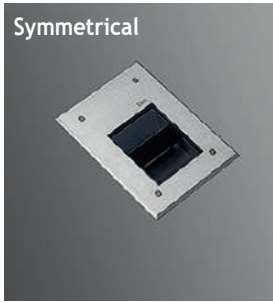
### Milky Glass



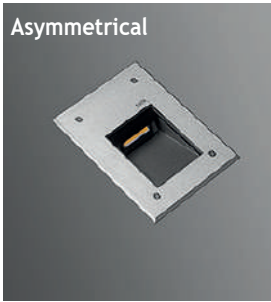
### Clear Glass



Symmetrical

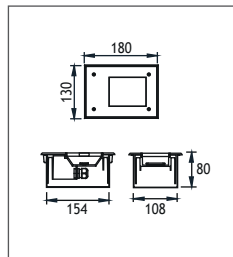
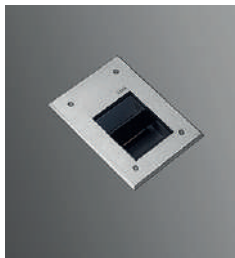


Asymmetrical



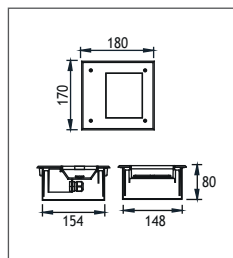
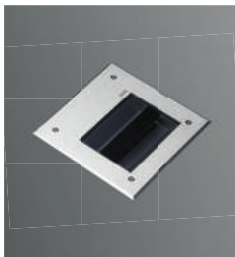
**Led** : Linear LEDs  
**Voltage** : 240 VAC with integrated driver  
 (12-24 VDC on request)  
**Diffuser** : 8mm Tempered Glass  
**Beam Angle** : 45° / 60° / 90°  
**Mac Adam** : 3  
**CRI** : >80  
**Cable** : Potted 1m 3x1 H03 VV-F

ANI 1



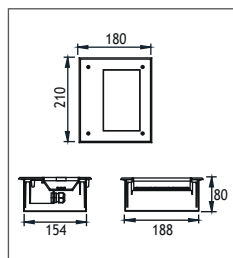
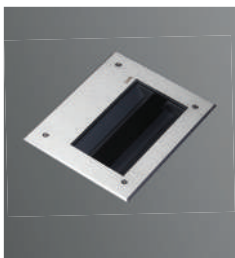
| Power | Kelvin | Real Lumen Output | Code No     |              |
|-------|--------|-------------------|-------------|--------------|
|       |        |                   | Symmetrical | Asymmetrical |
| 6W    | 2700 K | 570 lm            | 451003      | 451503       |
| 6W    | 3000 K | 570 lm            | 451001      | 451501       |
| 6W    | 4000 K | 690 lm            | 451002      | 451502       |
| 12W   | 2700 K | 1140 lm           | 451013      | 451513       |
| 12W   | 3000 K | 1140 lm           | 451011      | 451511       |
| 12W   | 4000 K | 1195 lm           | 451012      | 451512       |

ANI 2



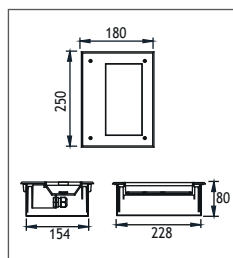
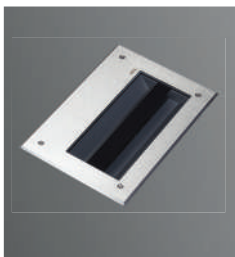
| Power | Kelvin | Real Lumen Output | Code No     |              |
|-------|--------|-------------------|-------------|--------------|
|       |        |                   | Symmetrical | Asymmetrical |
| 6W    | 2700 K | 570 lm            | 451103      | 451603       |
| 6W    | 3000 K | 570 lm            | 451101      | 451601       |
| 6W    | 4000 K | 690 lm            | 451102      | 451602       |
| 12W   | 2700 K | 1140 lm           | 451113      | 451613       |
| 12W   | 3000 K | 1140 lm           | 451111      | 451611       |
| 12W   | 4000 K | 1195 lm           | 451112      | 451612       |

ANI 3

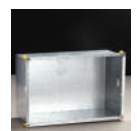


| Power | Kelvin | Real Lumen Output | Code No     |              |
|-------|--------|-------------------|-------------|--------------|
|       |        |                   | Symmetrical | Asymmetrical |
| 6W    | 2700 K | 570 lm            | 451203      | 451703       |
| 6W    | 3000 K | 570 lm            | 451201      | 451701       |
| 6W    | 4000 K | 690 lm            | 451202      | 451702       |
| 12W   | 2700 K | 1140 lm           | 451213      | 451713       |
| 12W   | 3000 K | 1140 lm           | 451211      | 451711       |
| 12W   | 4000 K | 1195 lm           | 451212      | 451712       |

ANI 4



| Power | Kelvin | Real Lumen Output | Code No     |              |
|-------|--------|-------------------|-------------|--------------|
|       |        |                   | Symmetrical | Asymmetrical |
| 6W    | 2700 K | 570 lm            | 451321      | 451821       |
| 6W    | 3000 K | 570 lm            | 451331      | 451831       |
| 6W    | 4000 K | 690 lm            | 451301      | 451801       |
| 12W   | 2700 K | 1140 lm           | 451311      | 451811       |
| 12W   | 3000 K | 1140 lm           | 451302      | 451802       |
| 12W   | 4000 K | 1195 lm           | 451312      | 451812       |



Galvanized Recessing Box

# ASSOS 6

## RECESSED WALK OVER FIXTURES

### Class I IP67 IK10

Available in any of these RAL colors

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

EMFA's Assos 6 Alum series is specially designed to light trees and bushes where drive over is not required. The fixture can be equipped with metal halide, halogen or fluorescent lamps. The fixture is made of die cast aluminium and allows for allows for IP67 and IK10. The fixture comes with a polyamide recessing tube for easy mounting in the ground or concrete. A louvre can be ordered separately to reduce the glare of the lamps. An anti-slip glass is available upon request.

#### Cover

Die cast aluminium

#### Body

Die cast aluminium or aluminium profile with die cast aluminium bottom and connection box.

#### Gaskets

Silicone

#### Diffusers

15 mm Tempered Glass (Aluminium Cover)

#### Screws

316L Stainless steel

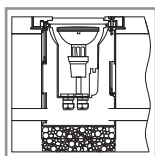
#### Glands

2 x PG 13.5

#### Recessing Tube

Polyamide 6

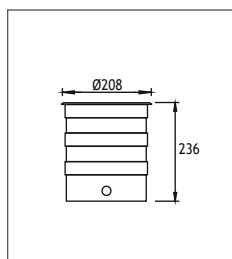
#### Mounting Features



Provide at least 30 cm of drainage gravel to avoid the accumulation of water under the fixture.  
To make the fixture drive over, the recessing tube should be mounted flush to the ground.

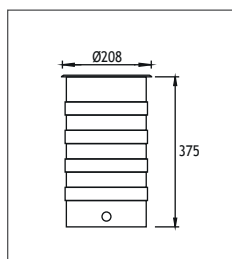


#### HALOGEN



| Power      | Lampholder     | Reflector | Code No<br>Inox |
|------------|----------------|-----------|-----------------|
| PAR30 75W  | E27 Adjustable | 38°       | 211361          |
| RJ 111 50W | G 53           | 38°       | 211561          |

#### METAL HALIDE



| Power     | Lampholder       | Reflector | Code No<br>Inox |
|-----------|------------------|-----------|-----------------|
| 35W M.H.  | Gx8.5 Adjustable | 12°, 36°  | 211271          |
| 70W M.H.  | G 12 Adjustable  | 30°, 42°  | 211241          |
| 35W M.H.  | Gx8.5 Adjustable | 12°, 36°  | 211201          |
| 70W M.H.  | G 12 Adjustable  | 30°, 42°  | 211211          |
| 150W M.H. | G 12 Adjustable  | 30°, 42°  | 211221          |

# MILET

## RECESSED WALK OVER FIXTURES

Load 7.5 kN | IP67 IK10

The Milet Recessed series consists of a range of LED and halogen sources to deliver the desired light effect to facades, columns, bridges, monuments, and trees. The fixtures are made of a combination of a 316L stainless steel cover and die cast aluminium body painted with electrostatic powder paint. Tempered glass, silicone gaskets and cast resin complete the fixture to make it IP67 IK10 and withstand rough environments. For the LED versions, a specially developed potted power cable is used to effectively bond with the cast resin and stop any water ingress. For the halogen versions, a PG9 cable gland allows for a secure connection of the on-site cable. A polycarbonate recessing box is included for installation into concrete or the ground. 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.

### Asymmetric LEDs

In this catalogue EMFA is introducing the tilted LED fixtures. These fixtures give an asymmetrical light output to facades, columns, bridges, monuments, and trees without losing light to the sky. The die cast aluminium body has a fixed built in tilt to allow for proper heat dissipation of the LEDs that can run up to 350mA.

#### Cover

316L Stainless Steel

#### Body

Die cast aluminium

#### Recessing Box

Polycarbonate

#### Glands

1 x PG 9

#### Gaskets

Silicone

#### Diffusers

12 mm Tempered Glass

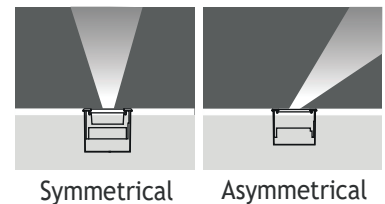
### Thermal Management

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.

### "Customization" is EMFA's standard

EMFA offers many combinations for each fixture, as all fixtures are made in house. A combination of 2 finishes of stainless steel, 8 LED colors, 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.

AntiTheft Screws



### 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.

# MILET

## RECESSED WALK OVER FIXTURES

Load 7.5 kN | IP67 IK10



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

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

**Mac Adam** : 3

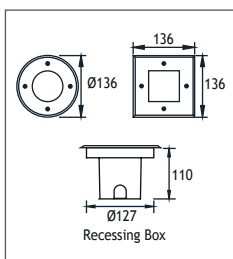
**CRI** : >80 or >90

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

Single color LED options upon request are ;

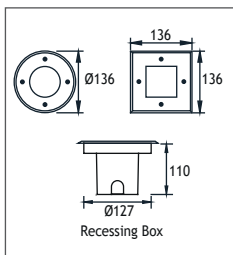
Blue Amber Green Red

### LED



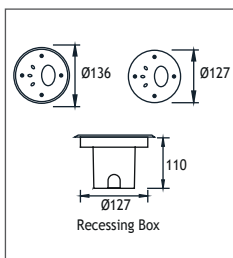
| Power | Kelvin | Real Lumen Output | Lens          | Code No |        |
|-------|--------|-------------------|---------------|---------|--------|
|       |        |                   |               | Round   | Square |
| 4W    | 2700 K | 380 lm            | 10°, 25°, 40° | 425502  | 425212 |
| 4W    | 3000 K | 380 lm            | 10°, 25°, 40° | 425201  | 425211 |
| 4W    | 4000 K | 387 lm            | 10°, 25°, 40° | 425206  | 425216 |
| 4W    | 6000 K | 395 lm            | 10°, 25°, 40° | 425207  | 425217 |

### HALOGEN



| Power       | Lampholder | Reflector | Code No |        |
|-------------|------------|-----------|---------|--------|
|             |            |           | Round   | Square |
| 35W HALOGEN | Gu5,3 12V  | 10°, 38°  | 317111  | 316111 |
| 40W HALOGEN | G 9        | 10°, 38°  | 317121  | 316121 |
| 50W HALOGEN | Gu10       | 10°, 38°  | 317131  | 316131 |

### HALOGEN



| Power       | Lampholder | Reflector | Code No |        |
|-------------|------------|-----------|---------|--------|
|             |            |           | Step    | Flush  |
| 35W HALOGEN | Gu4 12V    | 10°, 38°  | 319101  | 319201 |



# BIRGI

## RECESSED WALK OVER FIXTURES

### Class I IP67 IK08

Available in any of these RAL colors

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

EMFA's Birgi series is specially designed to light pathways, roads, and gardens. The fixture can be equipped with LED. The fixture has 3 different options of cover: Multi, Mono, Dual, and Wall to give different lighting effects. In combination with the die cast aluminium body, the fixture allows for IP67 and IK08. The fixture comes with a polyamide recessing tube for easy mounting in the ground or concrete.

#### Asymmetrical LEDs

These fixtures give an asymmetrical light output to facades, columns, bridges, monuments, and trees without losing light to the sky. The die cast aluminium body has a fixed built in tilt to allow for proper heat dissipation of the LEDs that can run up to 700mA.

#### Cover

Die cast aluminium

#### Body

Die cast aluminium or aluminium profile with die cast aluminium bottom and connection box.

#### Gaskets

Silicone

#### Diffusers

Tempered press glass or polycarbonate

#### Screws

316L Stainless steel

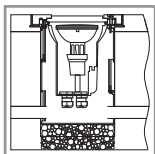
#### Recessing Tube

Aluminium

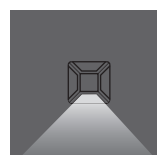
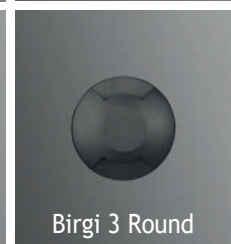
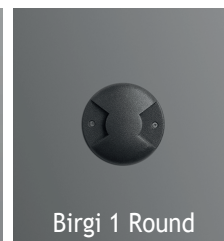
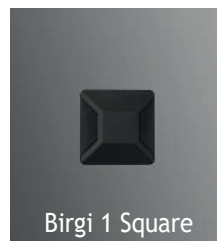
#### LEDs

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.

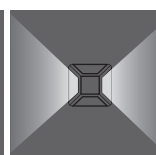
#### Mounting Features



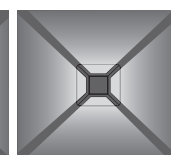
Provide at least 30 cm of drainage gravel to avoid the accumulation of water under the fixture. To make the fixture drive over, the recessing tube should be mounted flush to the ground.



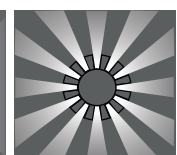
Mono



Dual



Quad



Multi

#### Thermal Management

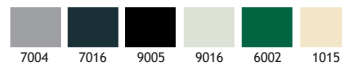
All fixtures are designed to withstand ambient temperatures of at least 50°C. The LEDs are mounted on metal core pcbs, which are mounted the aluminium body of the fixture so that the entire fixture acts as a heat sink. Extensive testing is performed in EMFA's laboratory to ensure these values are maintained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

# BIRGI 1

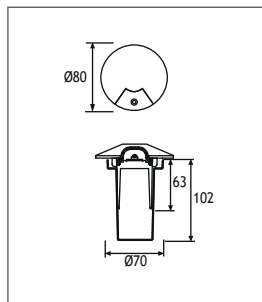
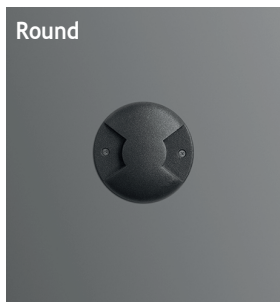
## RECESSED WALK OVER FIXTURES

### Class I IP67 IK08

Available in any  
of these RAL colors



Round



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

**Diffuser** : Polycarbonate

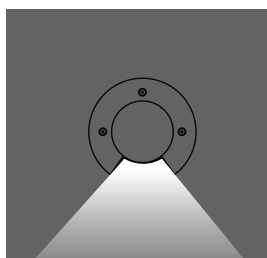
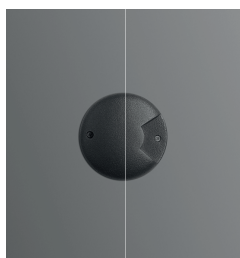
**CRI** : >80 or >90

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

Single color LED options upon request are ;

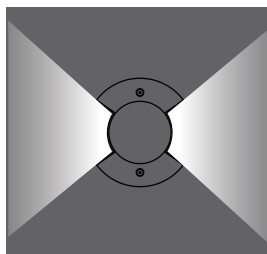
Blue Amber Green Red

Mono



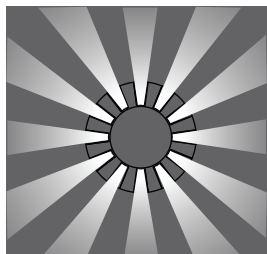
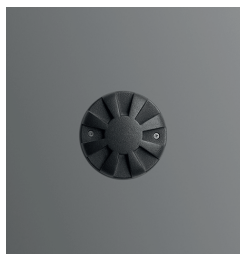
| Power  | Kelvin | Real Lumen Output | Code No |
|--------|--------|-------------------|---------|
| 1W LED | 2700 K | 95 lm             | 471004  |
| 1W LED | 3000 K | 95 lm             | 471001  |
| 1W LED | 4000 K | 97 lm             | 471002  |
| 1W LED | 6000 K | 99 lm             | 471003  |
| 3W LED | 2700 K | 380 lm            | 471014  |
| 3W LED | 3000 K | 380 lm            | 471011  |
| 3W LED | 4000 K | 387 lm            | 471012  |
| 3W LED | 6000 K | 395 lm            | 471013  |

Dual



| Power  | Kelvin | Real Lumen Output | Code No |
|--------|--------|-------------------|---------|
| 1W LED | 2700 K | 95 lm             | 471104  |
| 1W LED | 3000 K | 95 lm             | 471101  |
| 1W LED | 4000 K | 97 lm             | 471102  |
| 1W LED | 6000 K | 99 lm             | 471103  |
| 3W LED | 2700 K | 380 lm            | 471114  |
| 3W LED | 3000 K | 380 lm            | 471111  |
| 3W LED | 4000 K | 387 lm            | 471112  |
| 3W LED | 6000 K | 395 lm            | 471113  |

Multi



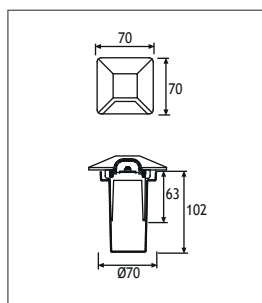
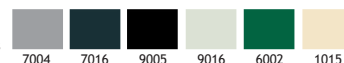
| Power  | Kelvin | Real Lumen Output | Code No |
|--------|--------|-------------------|---------|
| 1W LED | 2700 K | 95 lm             | 471204  |
| 1W LED | 3000 K | 95 lm             | 471201  |
| 1W LED | 4000 K | 97 lm             | 471202  |
| 1W LED | 6000 K | 99 lm             | 471203  |
| 3W LED | 2700 K | 380 lm            | 471214  |
| 3W LED | 3000 K | 380 lm            | 471211  |
| 3W LED | 4000 K | 387 lm            | 471212  |
| 3W LED | 6000 K | 395 lm            | 471213  |

# BIRGI 1

## RECESSED WALK OVER FIXTURES

### Class I IP67 IK08

Available in any  
of these RAL colors



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

**Diffuser** : Polycarbonate

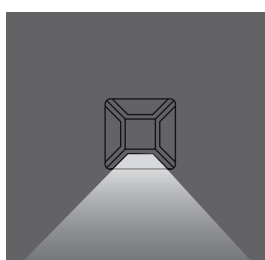
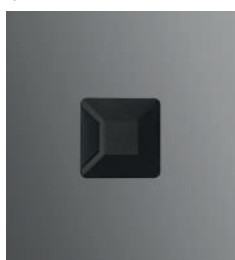
**CRI** : >80 or >90

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

Single color LED options upon request are ;

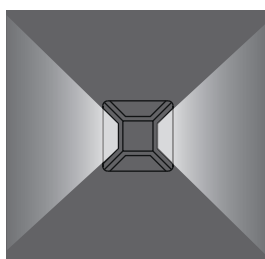
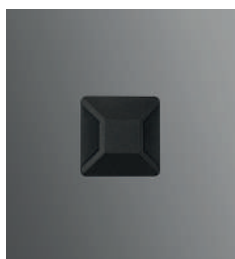
Blue Amber Green Red

**Mono**



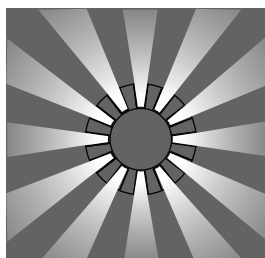
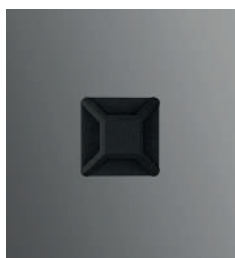
| Power  | Kelvin | Real Lumen Output | Code No |
|--------|--------|-------------------|---------|
| 1W LED | 2700 K | 95 lm             | 470004  |
| 1W LED | 3000 K | 95 lm             | 470001  |
| 1W LED | 4000 K | 97 lm             | 470002  |
| 1W LED | 6000 K | 99 lm             | 470003  |
| 3W LED | 2700 K | 380 lm            | 470014  |
| 3W LED | 3000 K | 380 lm            | 470011  |
| 3W LED | 4000 K | 387 lm            | 470012  |
| 3W LED | 6000 K | 395 lm            | 470013  |

**Dual**



| Power  | Kelvin | Real Lumen Output | Code No |
|--------|--------|-------------------|---------|
| 1W LED | 2700 K | 95 lm             | 470104  |
| 1W LED | 3000 K | 95 lm             | 470101  |
| 1W LED | 4000 K | 97 lm             | 470102  |
| 1W LED | 6000 K | 99 lm             | 470103  |
| 3W LED | 2700 K | 380 lm            | 470114  |
| 3W LED | 3000 K | 380 lm            | 470111  |
| 3W LED | 4000 K | 387 lm            | 470112  |
| 3W LED | 6000 K | 395 lm            | 470113  |

**Multi**



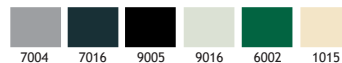
| Power  | Kelvin | Real Lumen Output | Code No |
|--------|--------|-------------------|---------|
| 1W LED | 2700 K | 95 lm             | 471204  |
| 1W LED | 3000 K | 95 lm             | 471201  |
| 1W LED | 4000 K | 97 lm             | 471202  |
| 1W LED | 6000 K | 99 lm             | 471203  |
| 3W LED | 2700 K | 380 lm            | 471214  |
| 3W LED | 3000 K | 380 lm            | 471211  |
| 3W LED | 4000 K | 387 lm            | 471212  |
| 3W LED | 6000 K | 395 lm            | 471213  |

# BIRGI 2

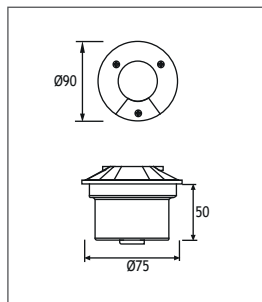
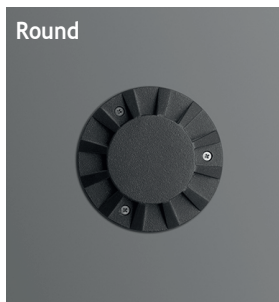
## RECESSED WALK OVER FIXTURES

### Class I IP67 IK08

Available in any  
of these RAL colors



Round



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

**Diffuser** : Polycarbonate

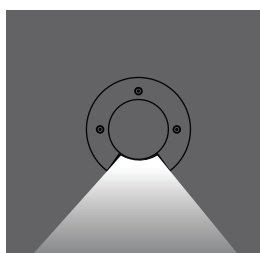
**CRI** : >80 or >90

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

Single color LED options upon request are ;

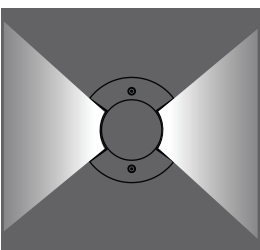
Blue Amber Green Red

Mono



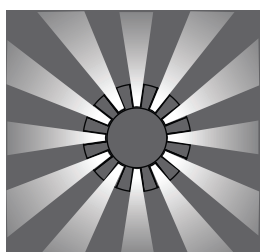
| Power  | Kelvin | Real Lumen Output | Code No |
|--------|--------|-------------------|---------|
| 1W LED | 2700 K | 95 lm             | 480004  |
| 1W LED | 3000 K | 95 lm             | 480001  |
| 1W LED | 4000 K | 97 lm             | 480002  |
| 1W LED | 6000 K | 99 lm             | 480003  |
| 3W LED | 2700 K | 380 lm            | 480014  |
| 3W LED | 3000 K | 380 lm            | 480011  |
| 3W LED | 4000 K | 387 lm            | 480012  |
| 3W LED | 6000 K | 395 lm            | 480013  |

Dual



| Power  | Kelvin | Real Lumen Output | Code No |
|--------|--------|-------------------|---------|
| 1W LED | 2700 K | 95 lm             | 480104  |
| 1W LED | 3000 K | 95 lm             | 480101  |
| 1W LED | 4000 K | 97 lm             | 480102  |
| 1W LED | 6000 K | 99 lm             | 480103  |
| 3W LED | 2700 K | 380 lm            | 480114  |
| 3W LED | 3000 K | 380 lm            | 480111  |
| 3W LED | 4000 K | 387 lm            | 480112  |
| 3W LED | 6000 K | 395 lm            | 480113  |

Multi



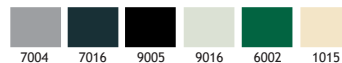
| Power  | Kelvin | Real Lumen Output | Code No |
|--------|--------|-------------------|---------|
| 1W LED | 2700 K | 95 lm             | 480204  |
| 1W LED | 3000 K | 95 lm             | 480201  |
| 1W LED | 4000 K | 97 lm             | 480202  |
| 1W LED | 6000 K | 99 lm             | 480203  |
| 3W LED | 2700 K | 380 lm            | 480214  |
| 3W LED | 3000 K | 380 lm            | 480211  |
| 3W LED | 4000 K | 387 lm            | 480212  |
| 3W LED | 6000 K | 395 lm            | 480213  |

# BIRGI 2

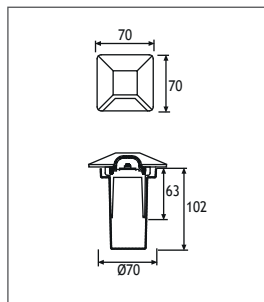
## RECESSED WALK OVER FIXTURES

### Class I IP67 IK08

Available in any  
of these RAL colors



Square



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

**Diffuser** : Polycarbonate

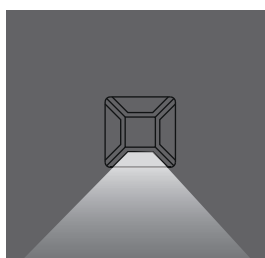
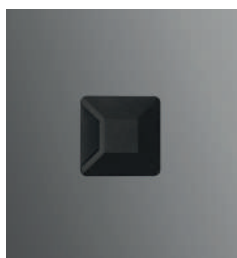
**CRI** : >80 or >90

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

Single color LED options upon request are ;

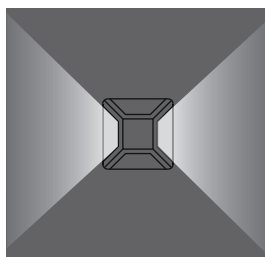
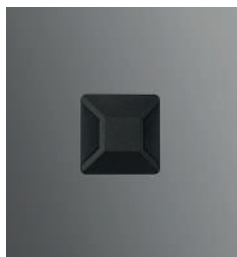
Blue Amber Green Red

Mono



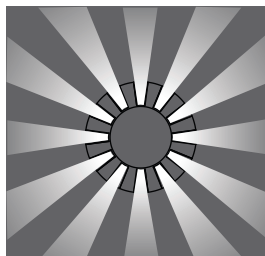
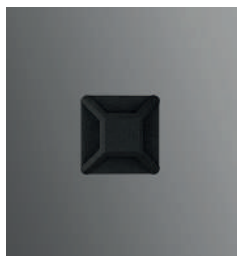
| Power  | Kelvin | Real Lumen Output | Code No |
|--------|--------|-------------------|---------|
| 1W LED | 2700 K | 95 lm             | 470004  |
| 1W LED | 3000 K | 95 lm             | 470001  |
| 1W LED | 4000 K | 97 lm             | 470002  |
| 1W LED | 6000 K | 99 lm             | 470003  |
| 3W LED | 2700 K | 380 lm            | 470014  |
| 3W LED | 3000 K | 380 lm            | 470011  |
| 3W LED | 4000 K | 387 lm            | 470012  |
| 3W LED | 6000 K | 395 lm            | 470013  |

Dual



| Power  | Kelvin | Real Lumen Output | Code No |
|--------|--------|-------------------|---------|
| 1W LED | 2700 K | 95 lm             | 470104  |
| 1W LED | 3000 K | 95 lm             | 470101  |
| 1W LED | 4000 K | 97 lm             | 470102  |
| 1W LED | 6000 K | 99 lm             | 470103  |
| 3W LED | 2700 K | 380 lm            | 470114  |
| 3W LED | 3000 K | 380 lm            | 470111  |
| 3W LED | 4000 K | 387 lm            | 470112  |
| 3W LED | 6000 K | 395 lm            | 470113  |

Multi



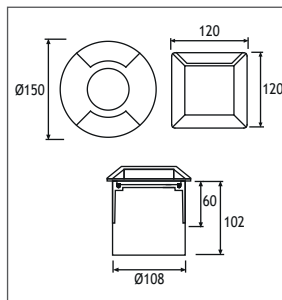
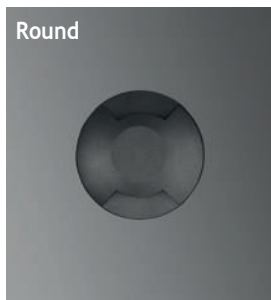
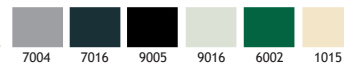
| Power  | Kelvin | Real Lumen Output | Code No |
|--------|--------|-------------------|---------|
| 1W LED | 2700 K | 95 lm             | 471204  |
| 1W LED | 3000 K | 95 lm             | 471201  |
| 1W LED | 4000 K | 97 lm             | 471202  |
| 1W LED | 6000 K | 99 lm             | 471203  |
| 3W LED | 2700 K | 380 lm            | 471214  |
| 3W LED | 3000 K | 380 lm            | 471211  |
| 3W LED | 4000 K | 387 lm            | 471212  |
| 3W LED | 6000 K | 395 lm            | 471213  |

# BIRGI 3

## RECESSED WALK OVER FIXTURES

### Class I IP67 IK08

Available in any  
of these RAL colors



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

**Diffuser** : Polycarbonate

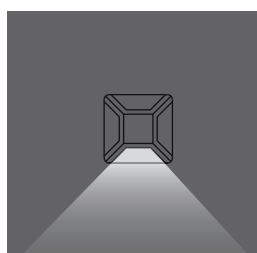
**CRI** : >80 or >90

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

Single color LED options upon request are ;

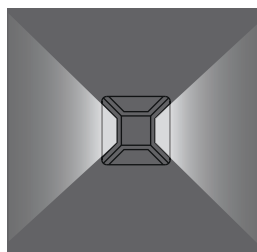
Blue Amber Green Red

#### Mono



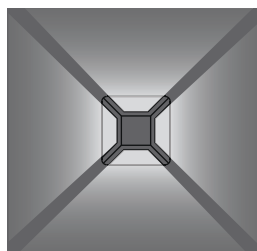
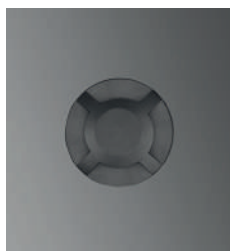
| Power  | Kelvin | Real<br>Lumen<br>Output | Code No |        |
|--------|--------|-------------------------|---------|--------|
|        |        |                         | Round   | Square |
| 1W LED | 2700 K | 1x 95 lm                | 491004  | 490004 |
| 1W LED | 3000 K | 1x 95 lm                | 491001  | 490001 |
| 1W LED | 4000 K | 1x 97 lm                | 491002  | 490002 |
| 1W LED | 6000 K | 1x 99 lm                | 491003  | 490003 |
| 3W LED | 2700 K | 1x 380 lm               | 491014  | 490014 |
| 3W LED | 3000 K | 1x 380 lm               | 491011  | 490011 |
| 3W LED | 4000 K | 1x 387 lm               | 491012  | 490012 |
| 3W LED | 6000 K | 1x 395 lm               | 491013  | 490013 |

#### Dual



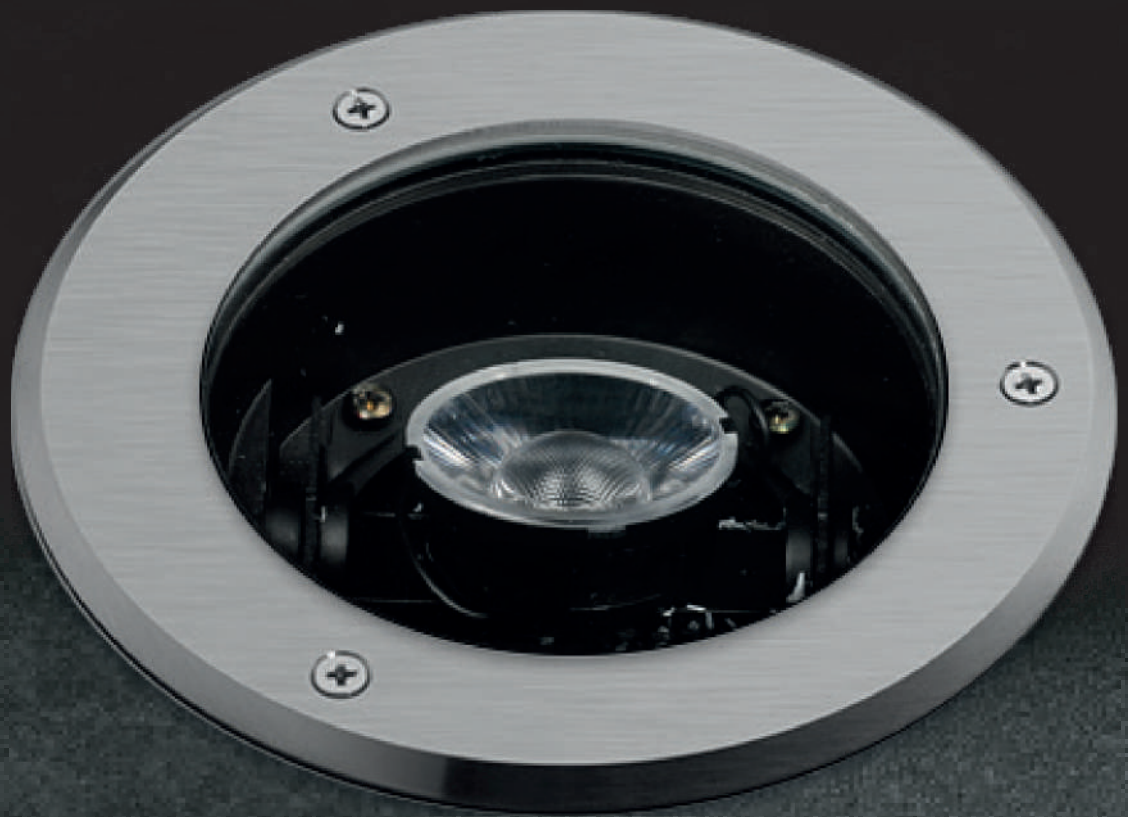
| Power  | Kelvin | Real<br>Lumen<br>Output | Code No |        |
|--------|--------|-------------------------|---------|--------|
|        |        |                         | Round   | Square |
| 2W LED | 2700 K | 2x 95 lm                | 491104  | 490104 |
| 2W LED | 3000 K | 2x 95 lm                | 491101  | 490101 |
| 2W LED | 4000 K | 2x 97 lm                | 491102  | 490102 |
| 2W LED | 6000 K | 2x 99 lm                | 491103  | 490103 |
| 6W LED | 2700 K | 2x 380 lm               | 491114  | 490114 |
| 6W LED | 3000 K | 2x 380 lm               | 491111  | 490111 |
| 6W LED | 4000 K | 2x 387 lm               | 491112  | 490112 |
| 6W LED | 6000 K | 2x 395 lm               | 491113  | 490113 |

#### Quad



| Power   | Kelvin | Real<br>Lumen<br>Output | Code No |        |
|---------|--------|-------------------------|---------|--------|
|         |        |                         | Round   | Square |
| 4W LED  | 2700 K | 4x 95 lm                | 491204  | 490204 |
| 4W LED  | 3000 K | 4x 95 lm                | 491201  | 490201 |
| 4W LED  | 4000 K | 4x 97 lm                | 491202  | 490202 |
| 4W LED  | 6000 K | 4x 99 lm                | 491203  | 490203 |
| 12W LED | 2700 K | 4x 380 lm               | 491214  | 490214 |
| 12W LED | 3000 K | 4x 380 lm               | 491211  | 490211 |
| 12W LED | 4000 K | 4x 387 lm               | 491212  | 490212 |
| 12W LED | 6000 K | 4x 395 lm               | 491213  | 490213 |

## Kaman Adjustable Recessed



EMFA

# KAMAN

## ADJUST ABLE LED RECESSED FIXTURES IP67 IK10

The Kaman Recessed series consists of a range of LED light sources to deliver the desired light effect to facades, columns, bridges, monuments, and trees. The fixtures are made of a combination of a 316L stainless steel cover and die cast aluminium body painted with electrostatic powder paint. Tempered glass, silicone gaskets and cast resin complete the fixture to make it IP67 IK10 and withstand rough environments. A specially developed potted power cable is used to effectively bond with the cast resin and stop any water ingress. The fixtures come with an aluminium recessing tube for easy mounting in the ground or concrete. 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.

### Asymmetrical LEDs

These fixtures give an asymmetrical light output to facades, columns, bridges, monuments, and trees without losing light to the sky. The die cast aluminium body has a fixed built in tilt to allow for proper heat dissipation of the LEDs that can run up to 700mA.

### Cover

316L Stainless steel

### Body

Die cast aluminium

### Recessing Box

Aluminium

### Gaskets

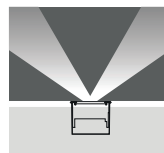
Silicone

### Diffusers

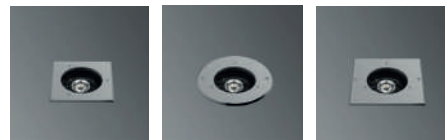
Tempered Glass

### Screws

316L Stainless steel

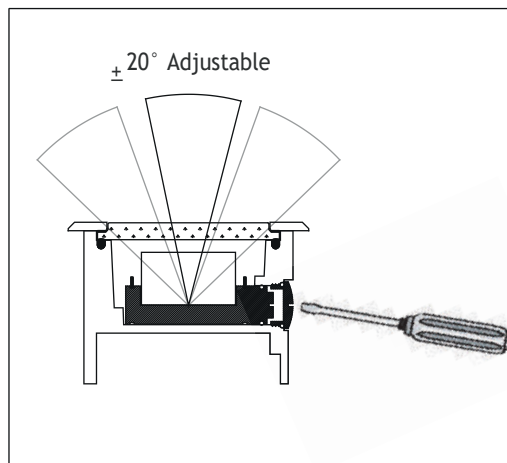


Adjustable



### LEDs

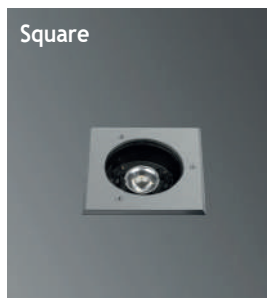
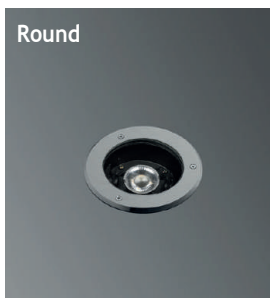
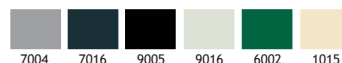
Only highest quality LEDs such as Cree or Toplite are used in production allowing for maximum lumen output and maximum lifetime. Most LEDs run on 350mA or 700mA depending on how much light output is required. The white color temperature binning is 200K at most, and always on the same x,y coordinates 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.



# KAMAN 3

## ADJUST ABLE LED RECESSED FIXTURES IP67 IK10

Available in any  
of these RAL colors



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

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

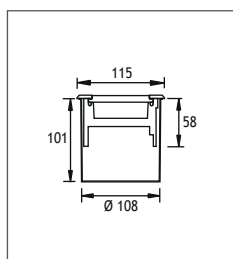
**CRI** : >80 or >90

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

Single color LED options upon request are ;

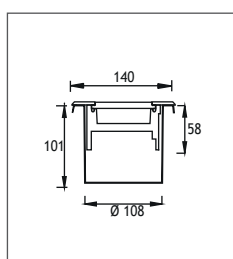
Blue Amber Green Red

### Fix to Recessing Tube with Silicone

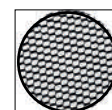
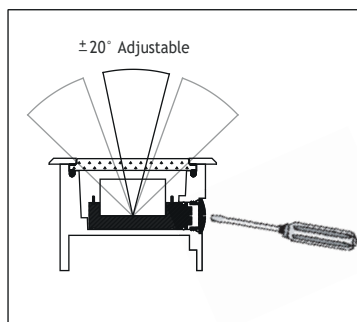


| Power   | Color  | Real Lumen Output | Lens        | Code No |        |
|---------|--------|-------------------|-------------|---------|--------|
|         |        |                   |             | Round   | Square |
| 6W LED  | 2700 K | 570 lm            | 10°,20°,30° | 240003  | 240103 |
| 6W LED  | 3000 K | 570 lm            | 10°,20°,30° | 240001  | 240101 |
| 6W LED  | 4000 K | 580 lm            | 10°,20°,30° | 240002  | 240102 |
| 6W LED  | 6000 K | 592 lm            | 10°,20°,30° | 240004  | 240104 |
| 11W LED | 2700 K | 1045 lm           | 10°,20°,30° | 240013  | 240113 |
| 11W LED | 3000 K | 1045 lm           | 10°,20°,30° | 240011  | 240111 |
| 11W LED | 4000 K | 1065 lm           | 10°,20°,30° | 240012  | 240112 |
| 11W LED | 6000 K | 1088 lm           | 10°,20°,30° | 240014  | 240114 |

### Fix to Recessing Tube with Screws



| Power   | Color  | Real Lumen Output | Lens        | Code No |        |
|---------|--------|-------------------|-------------|---------|--------|
|         |        |                   |             | Round   | Square |
| 6W LED  | 2700 K | 570 lm            | 10°,20°,30° | 241003  | 241103 |
| 6W LED  | 3000 K | 570 lm            | 10°,20°,30° | 241001  | 241101 |
| 6W LED  | 4000 K | 580 lm            | 10°,20°,30° | 241002  | 241102 |
| 6W LED  | 6000 K | 592 lm            | 10°,20°,30° | 241004  | 241104 |
| 11W LED | 2700 K | 1045 lm           | 10°,20°,30° | 241013  | 241113 |
| 11W LED | 3000 K | 1045 lm           | 10°,20°,30° | 241011  | 241111 |
| 11W LED | 4000 K | 1065 lm           | 10°,20°,30° | 241012  | 241112 |
| 11W LED | 6000 K | 1088 lm           | 10°,20°,30° | 241014  | 241114 |



Honeycomb  
Code No: 953511

# BELKIS

## RECESSED FIXTURES

### IP67 IK10

The Belkis Recessed series consists of a range of LED, fluorescent and halogen sources to deliver the desired light effect to facades, columns, bridges, monuments, and trees. The fixtures are made of a combination of a 316L stainless steel cover and die cast aluminium body painted with electrostatic powder paint. Tempered glass, silicone gaskets and cast resin complete the fixture to make it IP67 IK10 and withstand rough environments. A specially developed potted power cable is used to effectively bond with the cast resin and stop any water ingress. The fixtures come with an aluminium recessing tube for easy mounting in the ground or concrete. 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.

#### Asymmetrical LEDs

These fixtures give an asymmetrical light output to facades, columns, bridges, monuments, and trees without losing light to the sky. The die cast aluminium body has a fixed built in tilt to allow for proper heat dissipation of the LEDs that can run up to 700mA.

#### Cover

316L Stainless steel

#### Body

Die cast aluminium

#### Recessing Box

Aluminium

#### Gaskets

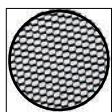
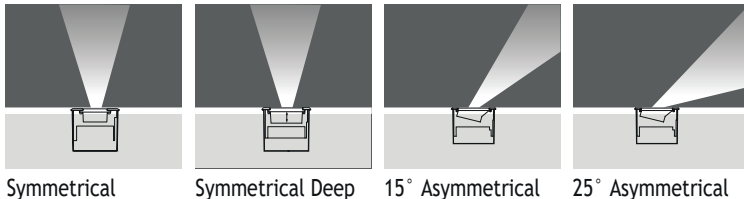
Silicone

#### Diffusers

Tempered Glass

#### Screws

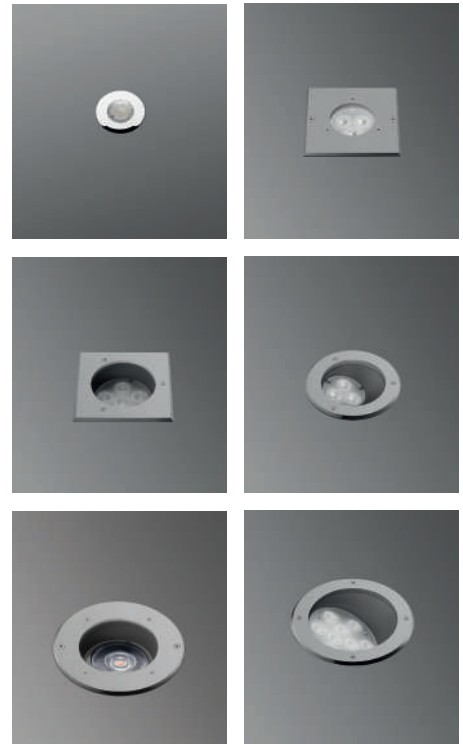
316L Stainless steel



Honeycomb

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

EMFA offers many combinations for each fixture, as all fixtures are made in house. A combination of 2 finishes of stainless steel, 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.

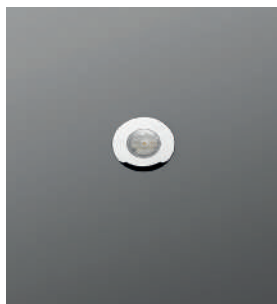
#### Thermal Management

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.

# BELKIS MINI

## RECESSED WALK OVER FIXTURES

### Class I IP67 IK08



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

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

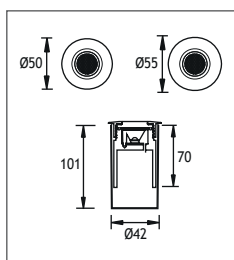
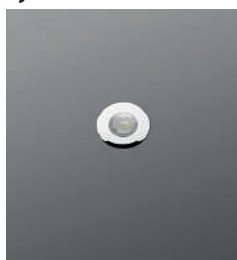
**CRI** : >80 or >90

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

Single color LED options upon request are ;

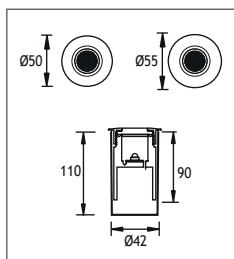
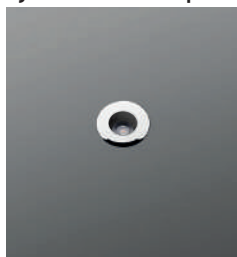
Blue Amber Green Red

#### Symmetrical



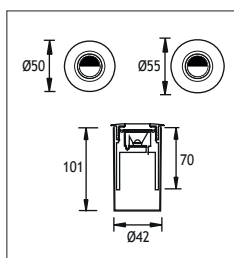
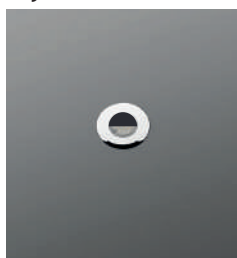
| Power  | Kelvin | Real Lumen Output | Lens        | Code No |
|--------|--------|-------------------|-------------|---------|
| 1W LED | 2700 K | 95 lm             | 10°,25°,40° | 391004  |
| 1W LED | 3000 K | 95 lm             | 10°,25°,40° | 391001  |
| 1W LED | 4000 K | 97 lm             | 10°,25°,40° | 391002  |
| 1W LED | 6000 K | 99 lm             | 10°,25°,40° | 391003  |
| 3W LED | 2700 K | 380 lm            | 10°,25°,40° | 391104  |
| 3W LED | 3000 K | 380 lm            | 10°,25°,40° | 391101  |
| 3W LED | 4000 K | 387 lm            | 10°,25°,40° | 391102  |
| 3W LED | 6000 K | 395 lm            | 10°,25°,40° | 391103  |

#### Symmetrical Deep

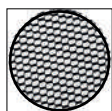


| Power  | Kelvin | Real Lumen Output | Lens        | Code No |
|--------|--------|-------------------|-------------|---------|
| 1W LED | 2700 K | 95 lm             | 10°,25°,40° | 391201  |
| 1W LED | 3000 K | 95 lm             | 10°,25°,40° | 391202  |
| 1W LED | 4000 K | 97 lm             | 10°,25°,40° | 391203  |
| 1W LED | 6000 K | 99 lm             | 10°,25°,40° | 391204  |
| 3W LED | 2700 K | 380 lm            | 10°,25°,40° | 391211  |
| 3W LED | 3000 K | 380 lm            | 10°,25°,40° | 391212  |
| 3W LED | 4000 K | 387 lm            | 10°,25°,40° | 391213  |
| 3W LED | 6000 K | 395 lm            | 10°,25°,40° | 391214  |

#### Asymmetrical



| Power  | Kelvin | Real Lumen Output | Lens        | Code No |
|--------|--------|-------------------|-------------|---------|
| 1W LED | 2700 K | 95 lm             | 10°,25°,40° | 391301  |
| 1W LED | 3000 K | 95 lm             | 10°,25°,40° | 391302  |
| 1W LED | 4000 K | 97 lm             | 10°,25°,40° | 391303  |
| 1W LED | 6000 K | 99 lm             | 10°,25°,40° | 391304  |
| 3W LED | 2700 K | 380 lm            | 10°,25°,40° | 391311  |
| 3W LED | 3000 K | 380 lm            | 10°,25°,40° | 391312  |
| 3W LED | 4000 K | 387 lm            | 10°,25°,40° | 391313  |
| 3W LED | 6000 K | 395 lm            | 10°,25°,40° | 391314  |



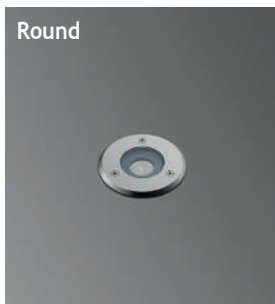
Honeycomb  
Code No: 953714



# BELKIS 1

## RECESSED WALK OVER FIXTURES

### Class I IP67 IK08



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

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

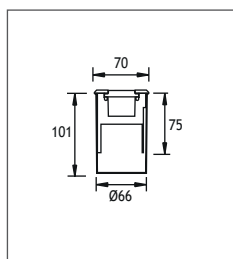
**CRI** : >80 or >90

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

Single color LED options upon request are ;  
 Blue  Amber  Green  Red

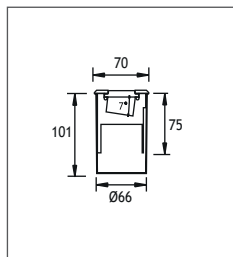
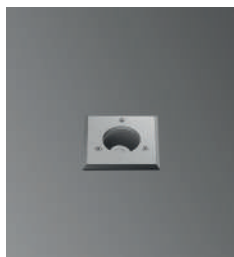
Fix to Recessing Tube with Silicone

#### Symmetrical



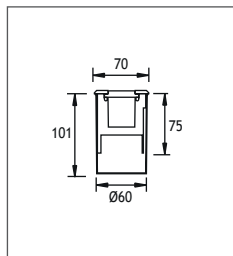
| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 1W LED | 2700 K | 95 lm             | 10°,25°,40° | 425192  | 425292 |
| 1W LED | 3000 K | 95 lm             | 10°,25°,40° | 425191  | 425291 |
| 1W LED | 4000 K | 97 lm             | 10°,25°,40° | 425196  | 425296 |
| 1W LED | 6000 K | 99 lm             | 10°,25°,40° | 425197  | 425297 |
| 3W LED | 2700 K | 380 lm            | 10°,25°,40° | 405504  | 405514 |
| 3W LED | 3000 K | 380 lm            | 10°,25°,40° | 405501  | 405511 |
| 3W LED | 4000 K | 387 lm            | 10°,25°,40° | 405502  | 405512 |
| 3W LED | 6000 K | 395 lm            | 10°,25°,40° | 405503  | 405513 |

#### 7° Asymmetrical

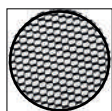


| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 1W LED | 2700 K | 95 lm             | 10°,25°,40° | 405544  | 405554 |
| 1W LED | 3000 K | 95 lm             | 10°,25°,40° | 405541  | 405551 |
| 1W LED | 4000 K | 97 lm             | 10°,25°,40° | 405542  | 405552 |
| 1W LED | 6000 K | 99 lm             | 10°,25°,40° | 405543  | 405553 |
| 3W LED | 2700 K | 380 lm            | 10°,25°,40° | 405584  | 405594 |
| 3W LED | 3000 K | 380 lm            | 10°,25°,40° | 405581  | 405591 |
| 3W LED | 4000 K | 387 lm            | 10°,25°,40° | 405582  | 405592 |
| 3W LED | 6000 K | 395 lm            | 10°,25°,40° | 405583  | 405593 |

#### Halogen



| Power           | Real Lumen Output | Reflector | Code No |        |
|-----------------|-------------------|-----------|---------|--------|
|                 |                   |           | Round   | Square |
| HALOGEN 12V 20W | 95 lm             | 10°- 38°  | 320101  | 320201 |

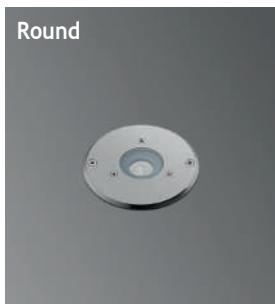


Honeycomb  
Code No: 953521

# BELKIS 1

## RECESSED WALK OVER FIXTURES

### Class I IP67 IK08



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

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

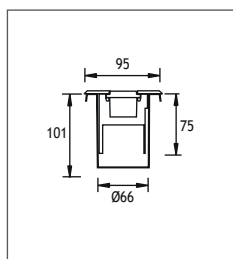
**CRI** : >80 or >90

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

Single color LED options upon request are ;  
 Blue  Amber  Green  Red

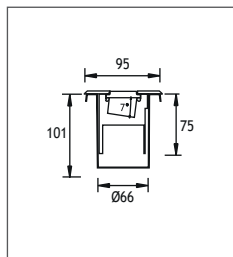
Fix to Recessing Tube with Screws

#### Symmetrical



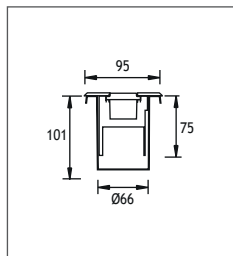
| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 1W LED | 2700 K | 95 lm             | 10°,25°,40° | 425182  | 425282 |
| 1W LED | 3000 K | 95 lm             | 10°,25°,40° | 425181  | 425281 |
| 1W LED | 4000 K | 97 lm             | 10°,25°,40° | 425186  | 425286 |
| 1W LED | 6000 K | 99 lm             | 10°,25°,40° | 425187  | 425287 |
| 3W LED | 2700 K | 380 lm            | 10°,25°,40° | 405524  | 405534 |
| 3W LED | 3000 K | 380 lm            | 10°,25°,40° | 405521  | 405531 |
| 3W LED | 4000 K | 387 lm            | 10°,25°,40° | 405522  | 405532 |
| 3W LED | 6000 K | 395 lm            | 10°,25°,40° | 405523  | 405533 |

#### 7° Asymmetrical

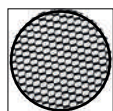


| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 1W LED | 2700 K | 95 lm             | 10°,25°,40° | 405564  | 405574 |
| 1W LED | 3000 K | 95 lm             | 10°,25°,40° | 405561  | 405571 |
| 1W LED | 4000 K | 97 lm             | 10°,25°,40° | 405562  | 405572 |
| 1W LED | 6000 K | 99 lm             | 10°,25°,40° | 405563  | 405573 |
| 3W LED | 2700 K | 380 lm            | 10°,25°,40° | 405594  | 405614 |
| 3W LED | 3000 K | 380 lm            | 10°,25°,40° | 405591  | 405611 |
| 3W LED | 4000 K | 387 lm            | 10°,25°,40° | 405592  | 405612 |
| 3W LED | 6000 K | 395 lm            | 10°,25°,40° | 405593  | 405613 |

#### Halogen



| Power           | Real Lumen Output | Reflector | Code No |        |
|-----------------|-------------------|-----------|---------|--------|
|                 |                   |           | Round   | Square |
| HALOGEN 12V 20W | 95 lm             | 10°- 38°  | 320111  | 320211 |



Honeycomb  
Code No: 953521



# BELKIS 2

## RECESSED WALK OVER FIXTURES

### Class I IP67 IK08

#### POWER LED

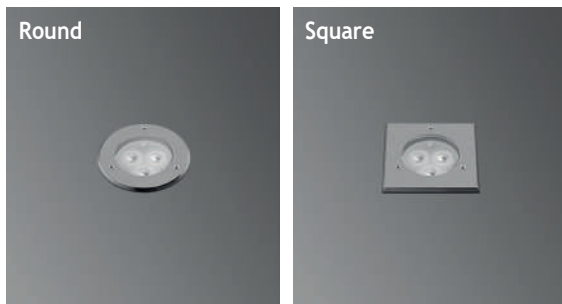
**Voltage** : 240V A.C with integrated driver  
(12-24 VDC on request)

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

**CRI** : >80 or >90

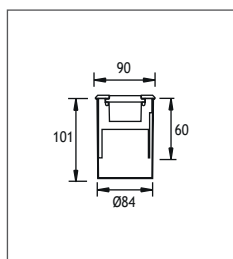
**Cable** : Potted 1 m 3x1 H03 VV-F

Single color LED options upon request are ;  
 Blue  Amber  Green  Red



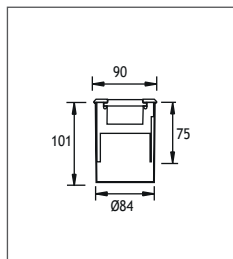
Fix to Recessing Tube with Silicone

#### Symmetrical



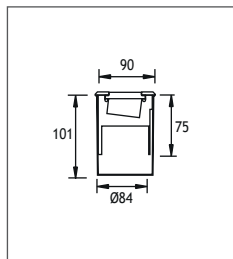
| Power  | Kelvin | Real Lumen Output                                                                     | Lens        | Code No |        |
|--------|--------|---------------------------------------------------------------------------------------|-------------|---------|--------|
|        |        |                                                                                       |             | Round   | Square |
| 3W LED | 2700 K | 95 lm                                                                                 | 10°,25°,40° | 422102  | 422112 |
| 3W LED | 3000 K | 95 lm                                                                                 | 10°,25°,40° | 422101  | 422111 |
| 3W LED | 4000 K | 97 lm                                                                                 | 10°,25°,40° | 422106  | 422116 |
| 3W LED | 6000 K | 99 lm                                                                                 | 10°,25°,40° | 422107  | 422117 |
| 9W LED | 2700 K | 380 lm                                                                                | 10°,25°,40° | 418334  | 418344 |
| 9W LED | 3000 K | 380 lm                                                                                | 10°,25°,40° | 418331  | 418341 |
| 9W LED | 4000 K | 387 lm                                                                                | 10°,25°,40° | 418332  | 418342 |
| 9W LED | 6000 K | 395 lm                                                                                | 10°,25°,40° | 418333  | 418343 |
| 9W LED | RGB    |  | 25°,40°     | 418371  | 418381 |

#### Symmetrical Deep

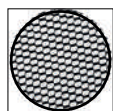


| Power  | Kelvin | Real Lumen Output                                                                     | Lens        | Code No |        |
|--------|--------|---------------------------------------------------------------------------------------|-------------|---------|--------|
|        |        |                                                                                       |             | Round   | Square |
| 3W LED | 2700 K | 95 lm                                                                                 | 10°,25°,40° | 439001  | 439101 |
| 3W LED | 3000 K | 95 lm                                                                                 | 10°,25°,40° | 439002  | 439102 |
| 3W LED | 4000 K | 97 lm                                                                                 | 10°,25°,40° | 439003  | 439103 |
| 3W LED | 6000 K | 99 lm                                                                                 | 10°,25°,40° | 439004  | 439104 |
| 9W LED | 2700 K | 380 lm                                                                                | 10°,25°,40° | 439011  | 439111 |
| 9W LED | 3000 K | 380 lm                                                                                | 10°,25°,40° | 439012  | 439112 |
| 9W LED | 4000 K | 387 lm                                                                                | 10°,25°,40° | 439013  | 439113 |
| 9W LED | 6000 K | 395 lm                                                                                | 10°,25°,40° | 439014  | 439114 |
| 9W LED | RGB    |  | 25°,40°     | 439015  | 439115 |

#### Wallwasher



| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 1W LED | 2700 K | 95 lm             | 10°,25°,40° | 326004  | 326014 |
| 1W LED | 3000 K | 95 lm             | 10°,25°,40° | 326001  | 326011 |
| 1W LED | 4000 K | 97 lm             | 10°,25°,40° | 326002  | 326012 |
| 1W LED | 6000 K | 99 lm             | 10°,25°,40° | 326003  | 326013 |
| 3W LED | 2700 K | 285 lm            | 10°,25°,40° | 326044  | 326054 |
| 3W LED | 3000 K | 285 lm            | 10°,25°,40° | 326041  | 326051 |
| 3W LED | 4000 K | 290 lm            | 10°,25°,40° | 326042  | 326052 |
| 3W LED | 6000 K | 296 lm            | 10°,25°,40° | 326043  | 326053 |

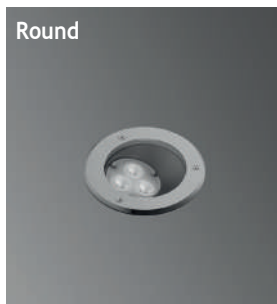


Honeycomb  
Code No: 953522

# BELKIS 2

## RECESSED WALK OVER FIXTURES

### Class I IP67 IK08



#### POWER LED

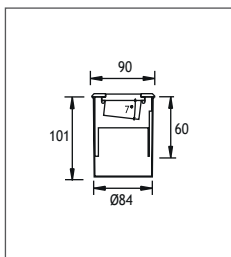
**Voltage** : 240 VAC with integrated driver  
**Diffuser** : Clear Glass 8mm (Frosted Glass on request)  
**CRI** : >80 or >90  
**Cable** : Potted 1 m 3x1 H03 VV-F

Single color LED options upon request are ;

Blue Amber Green Red

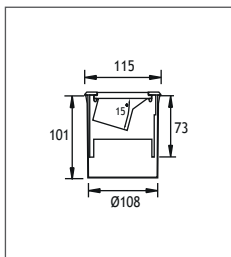
Fix to Recessing Tube with Silicone

#### 7° Asymmetrical



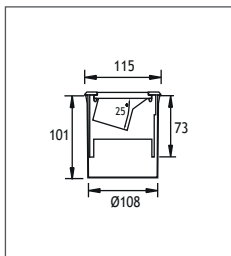
| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 3W LED | 2700 K | 285 lm            | 10°,25°,40° | 418394  | 418404 |
| 3W LED | 3000 K | 285 lm            | 10°,25°,40° | 418391  | 418401 |
| 3W LED | 4000 K | 290 lm            | 10°,25°,40° | 418392  | 418402 |
| 3W LED | 6000 K | 296 lm            | 10°,25°,40° | 418393  | 418403 |
| 9W LED | 2700 K | 855 lm            | 10°,25°,40° | 418434  | 418444 |
| 9W LED | 3000 K | 855 lm            | 10°,25°,40° | 418431  | 418441 |
| 9W LED | 4000 K | 872 lm            | 10°,25°,40° | 418432  | 418442 |
| 9W LED | 6000 K | 890 lm            | 10°,25°,40° | 418433  | 418443 |
| 9W LED | RGB    | Red, Green, Blue  | 25°,40°     | 418471  | 418481 |

#### 15° Asymmetrical

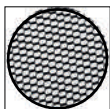


| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 3W LED | 2700 K | 285 lm            | 10°,25°,40° | 418514  | 418524 |
| 3W LED | 3000 K | 285 lm            | 10°,25°,40° | 418511  | 418521 |
| 3W LED | 4000 K | 290 lm            | 10°,25°,40° | 418512  | 418522 |
| 3W LED | 6000 K | 296 lm            | 10°,25°,40° | 418513  | 418523 |
| 9W LED | 2700 K | 855 lm            | 10°,25°,40° | 418554  | 418564 |
| 9W LED | 3000 K | 855 lm            | 10°,25°,40° | 418551  | 418561 |
| 9W LED | 4000 K | 872 lm            | 10°,25°,40° | 418552  | 418562 |
| 9W LED | 6000 K | 890 lm            | 10°,25°,40° | 418553  | 418563 |
| 9W LED | RGB    | Red, Green, Blue  | 25°,40°     | 418591  | 418601 |

#### 25° Asymmetrical



| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 3W LED | 2700 K | 285 lm            | 10°,25°,40° | 418634  | 418644 |
| 3W LED | 3000 K | 285 lm            | 10°,25°,40° | 418631  | 418641 |
| 3W LED | 4000 K | 290 lm            | 10°,25°,40° | 418632  | 418642 |
| 3W LED | 6000 K | 296 lm            | 10°,25°,40° | 418633  | 418643 |
| 9W LED | 2700 K | 855 lm            | 10°,25°,40° | 418674  | 418684 |
| 9W LED | 3000 K | 855 lm            | 10°,25°,40° | 418671  | 418681 |
| 9W LED | 4000 K | 872 lm            | 10°,25°,40° | 418672  | 418682 |
| 9W LED | 6000 K | 890 lm            | 10°,25°,40° | 418673  | 418683 |
| 9W LED | RGB    | Red, Green, Blue  | 25°,40°     | 418711  | 418721 |

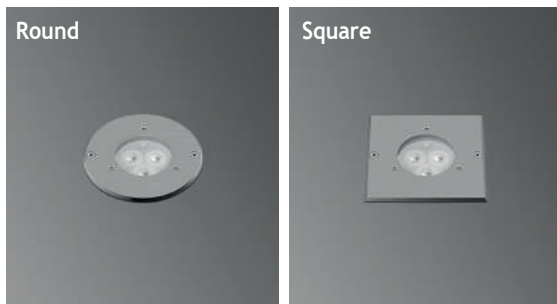


Honeycomb  
Code No: 953522

# BELKIS 2

## RECESSED WALK OVER FIXTURES

### Class I IP67 IK08



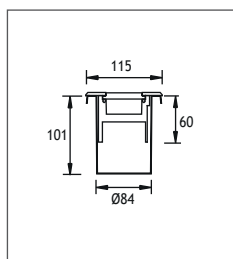
#### POWER LED

**Voltage** : 240 VAC with integrated driver  
**Diffuser** : Clear Glass 8mm (Frosted Glass on request)  
**CRI** : >80 or >90  
**Cable** : Potted 1 m 3x1 H03 VV-F

Single color LED options upon request are ;  
 Blue Amber Green Red

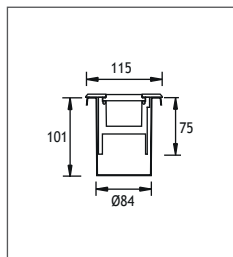
Fix to Recessing Tube with Screws

#### 7° Asymmetrical



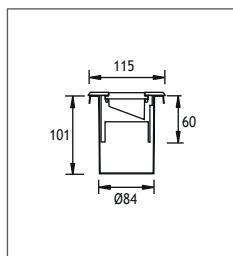
| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 3W LED | 2700 K | 285 lm            | 10°,25°,40° | 425162  | 425262 |
| 3W LED | 3000 K | 285 lm            | 10°,25°,40° | 425161  | 425261 |
| 3W LED | 4000 K | 290 lm            | 10°,25°,40° | 425166  | 425266 |
| 3W LED | 6000 K | 296 lm            | 10°,25°,40° | 425167  | 425267 |
| 9W LED | 2700 K | 855 lm            | 10°,25°,40° | 418354  | 418364 |
| 9W LED | 3000 K | 855 lm            | 10°,25°,40° | 418351  | 418361 |
| 9W LED | 4000 K | 872 lm            | 10°,25°,40° | 418352  | 418362 |
| 9W LED | 6000 K | 890 lm            | 10°,25°,40° | 418353  | 418363 |
| 9W LED | RGB    |                   | 25°,40°     | 425411  | 425421 |

#### Symmetrical Deep

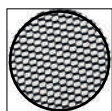


| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 3W LED | 2700 K | 285 lm            | 10°,25°,40° | 442001  | 442101 |
| 3W LED | 3000 K | 285 lm            | 10°,25°,40° | 442002  | 442102 |
| 3W LED | 4000 K | 290 lm            | 10°,25°,40° | 442003  | 442103 |
| 3W LED | 6000 K | 296 lm            | 10°,25°,40° | 442004  | 442104 |
| 9W LED | 2700 K | 855 lm            | 10°,25°,40° | 442011  | 442111 |
| 9W LED | 3000 K | 855 lm            | 10°,25°,40° | 442012  | 442112 |
| 9W LED | 4000 K | 872 lm            | 10°,25°,40° | 442013  | 442113 |
| 9W LED | 6000 K | 890 lm            | 10°,25°,40° | 442014  | 442114 |
| 9W LED | RGB    |                   | 25°,40°     | 442015  | 442115 |

#### Wallwasher



| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 1W LED | 2700 K | 95 lm             | 10°,25°,40° | 326024  | 326034 |
| 1W LED | 3000 K | 95 lm             | 10°,25°,40° | 326021  | 326031 |
| 1W LED | 4000 K | 97 lm             | 10°,25°,40° | 326022  | 326032 |
| 1W LED | 6000 K | 99 lm             | 10°,25°,40° | 326023  | 326033 |
| 3W LED | 2700 K | 285 lm            | 10°,25°,40° | 326064  | 326074 |
| 3W LED | 3000 K | 285 lm            | 10°,25°,40° | 326061  | 326071 |
| 3W LED | 4000 K | 290 lm            | 10°,25°,40° | 326062  | 326072 |
| 3W LED | 6000 K | 296 lm            | 10°,25°,40° | 326063  | 326073 |



Honeycomb  
Code No: 953522

# BELKIS 2

## RECESSED WALK OVER FIXTURES

### Class I IP67 IK08



#### POWER LED

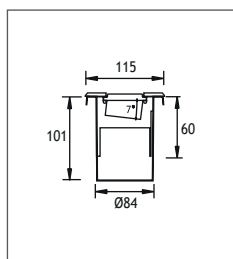
**Voltage** : 240 VAC with integrated driver  
**Diffuser** : Clear Glass 8mm (Frosted Glass on request)  
**CRI** : >80 or >90  
**Cable** : Potted 1 m 3x1 H03 VV-F

Single color LED options upon request are ;

Blue Amber Green Red

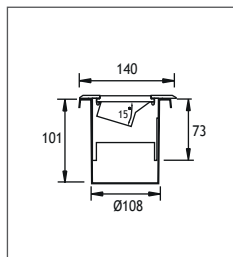
Fix to Recessing Tube with Screws

#### 7° Asymmetrical



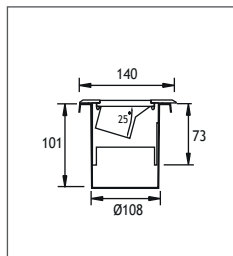
| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 3W LED | 2700 K | 285 lm            | 10°,25°,40° | 418414  | 418424 |
| 3W LED | 3000 K | 285 lm            | 10°,25°,40° | 418411  | 418421 |
| 3W LED | 4000 K | 290 lm            | 10°,25°,40° | 418412  | 418422 |
| 3W LED | 6000 K | 296 lm            | 10°,25°,40° | 418413  | 418423 |
| 9W LED | 2700 K | 855 lm            | 10°,25°,40° | 418464  | 418464 |
| 9W LED | 3000 K | 855 lm            | 10°,25°,40° | 418461  | 418461 |
| 9W LED | 4000 K | 872 lm            | 10°,25°,40° | 418462  | 418462 |
| 9W LED | 6000 K | 890 lm            | 10°,25°,40° | 418463  | 418463 |
| 9W LED | RGB    | Red, Green, Blue  | 25°,40°     | 418491  | 418501 |

#### 15° Asymmetrical

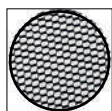


| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 3W LED | 2700 K | 285 lm            | 10°,25°,40° | 418534  | 418544 |
| 3W LED | 3000 K | 285 lm            | 10°,25°,40° | 418531  | 418541 |
| 3W LED | 4000 K | 290 lm            | 10°,25°,40° | 418532  | 418542 |
| 3W LED | 6000 K | 296 lm            | 10°,25°,40° | 418533  | 418543 |
| 9W LED | 2700 K | 855 lm            | 10°,25°,40° | 418874  | 418584 |
| 9W LED | 3000 K | 855 lm            | 10°,25°,40° | 418871  | 418581 |
| 9W LED | 4000 K | 872 lm            | 10°,25°,40° | 418872  | 418582 |
| 9W LED | 6000 K | 890 lm            | 10°,25°,40° | 418873  | 418583 |
| 9W LED | RGB    | Red, Green, Blue  | 25°,40°     | 418611  | 418621 |

#### 25° Asymmetrical



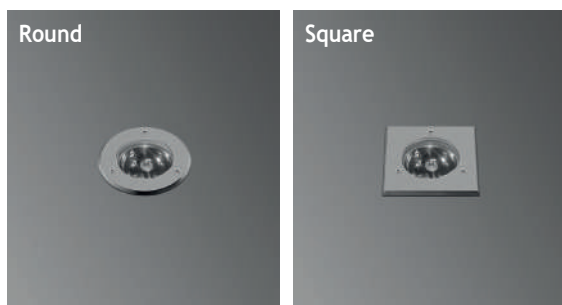
| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 3W LED | 2700 K | 285 lm            | 10°,25°,40° | 418654  | 418664 |
| 3W LED | 3000 K | 285 lm            | 10°,25°,40° | 418651  | 418661 |
| 3W LED | 4000 K | 290 lm            | 10°,25°,40° | 418652  | 418662 |
| 3W LED | 6000 K | 296 lm            | 10°,25°,40° | 418653  | 418663 |
| 9W LED | 2700 K | 855 lm            | 10°,25°,40° | 418694  | 418704 |
| 9W LED | 3000 K | 855 lm            | 10°,25°,40° | 418691  | 418701 |
| 9W LED | 4000 K | 872 lm            | 10°,25°,40° | 418692  | 418702 |
| 9W LED | 6000 K | 890 lm            | 10°,25°,40° | 418693  | 418703 |
| 9W LED | RGB    | Red, Green, Blue  | 25°,40°     | 418731  | 418741 |



Honeycomb  
Code No: 953522

# BELKIS 2 RECESSED WALK OVER WITH TIR LENS FIXTURES

## Class I IP67 IK08



### COB LED

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

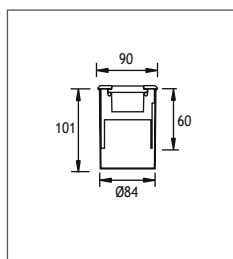
**Diffuser** : Clear Glass 8mm (Frosted Glass on request)

**CRI** : >80 or >90

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

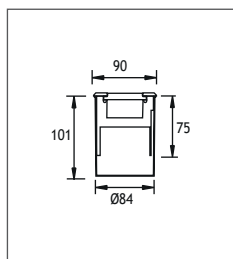
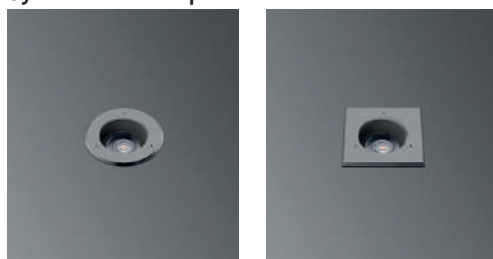
Fix to Recessing Tube with Silicone

### Symmetrical



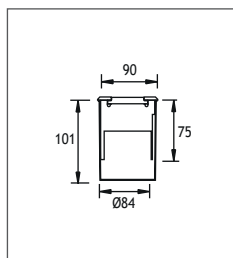
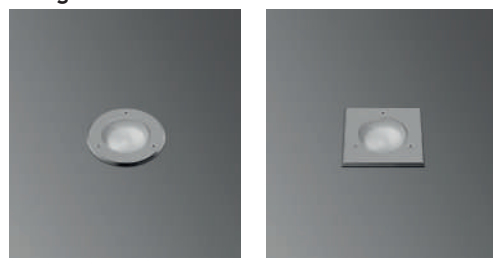
| Power   | Kelvin | Real Lumen Output | Lens        | Code No |        |
|---------|--------|-------------------|-------------|---------|--------|
|         |        |                   |             | Round   | Square |
| 6W LED  | 2700 K | 570 lm            | 10°,20°,30° | 119003  | 119013 |
| 6W LED  | 3000 K | 570 lm            | 10°,20°,30° | 119001  | 119011 |
| 6W LED  | 4000 K | 581 lm            | 10°,20°,30° | 119002  | 119012 |
| 6W LED  | 6000 K | 593 lm            | 10°,20°,30° | 119004  | 119014 |
| 11W LED | 2700 K | 1045 lm           | 10°,20°,30° | 119023  | 119033 |
| 11W LED | 3000 K | 1045 lm           | 10°,20°,30° | 119021  | 119031 |
| 11W LED | 4000 K | 1065 lm           | 10°,20°,30° | 119022  | 119032 |
| 11W LED | 6000 K | 1087 lm           | 10°,20°,30° | 119024  | 119034 |

### Symmetrical Deep

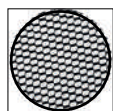


| Power   | Kelvin | Real Lumen Output | Lens        | Code No |        |
|---------|--------|-------------------|-------------|---------|--------|
|         |        |                   |             | Round   | Square |
| 6W LED  | 2700 K | 570 lm            | 10°,20°,30° | 122001  | 122101 |
| 6W LED  | 3000 K | 570 lm            | 10°,20°,30° | 122002  | 122102 |
| 6W LED  | 4000 K | 581 lm            | 10°,20°,30° | 122003  | 122103 |
| 6W LED  | 6000 K | 593 lm            | 10°,20°,30° | 122004  | 122104 |
| 11W LED | 2700 K | 1045 lm           | 10°,20°,30° | 122011  | 122111 |
| 11W LED | 3000 K | 1045 lm           | 10°,20°,30° | 122012  | 122112 |
| 11W LED | 4000 K | 1065 lm           | 10°,20°,30° | 122013  | 122113 |
| 11W LED | 6000 K | 1087 lm           | 10°,20°,30° | 122014  | 122114 |

### Halogen



| Power       | Lampholder | Reflector | Code No |        |
|-------------|------------|-----------|---------|--------|
|             |            |           | Round   | Square |
| HALOGEN 35W | Gu10       | 10°, 38°  | 322101  | 322201 |

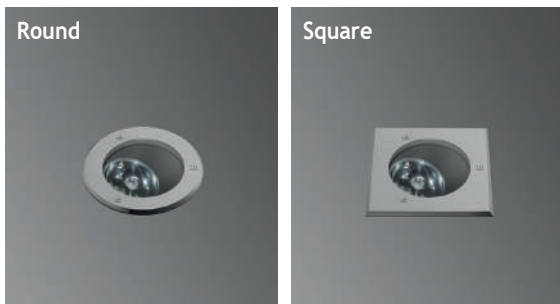


Honeycomb  
Code No: 953522

# BELKIS 2

## RECESSED WALK OVER WITH TIR LENS FIXTURES

### Class I IP67 IK08



#### COB LED

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

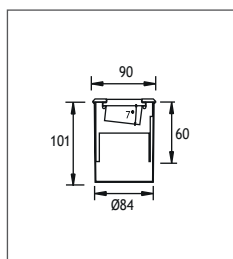
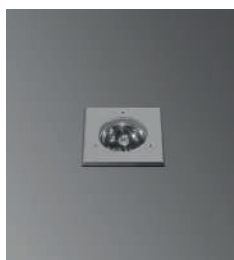
**Diffuser** : Clear Glass 8mm (Frosted Glass on request)

**CRI** : >80 or >90

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

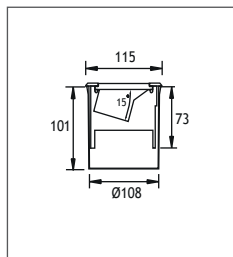
Fix to Recessing Tube with Silicone

#### 7° Asymmetrical



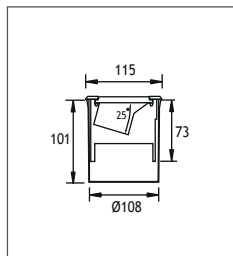
| Power   | Kelvin | Real Lumen Output | Lens        | Code No |        |
|---------|--------|-------------------|-------------|---------|--------|
|         |        |                   |             | Round   | Square |
| 6W LED  | 2700 K | 570 lm            | 10°,25°,40° | 139001  | 139101 |
| 6W LED  | 3000 K | 570 lm            | 10°,25°,40° | 139002  | 139102 |
| 6W LED  | 4000 K | 581 lm            | 10°,25°,40° | 139003  | 139103 |
| 6W LED  | 6000 K | 593 lm            | 10°,25°,40° | 139004  | 139104 |
| 11W LED | 2700 K | 1045 lm           | 10°,25°,40° | 139011  | 139111 |
| 11W LED | 3000 K | 1045 lm           | 10°,25°,40° | 139012  | 139112 |
| 11W LED | 4000 K | 1065 lm           | 10°,25°,40° | 139013  | 139113 |
| 11W LED | 6000 K | 1087 lm           | 10°,25°,40° | 139014  | 139114 |

#### 15° Asymmetrical

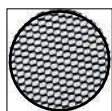


| Power   | Kelvin | Real Lumen Output | Lens        | Code No |        |
|---------|--------|-------------------|-------------|---------|--------|
|         |        |                   |             | Round   | Square |
| 6W LED  | 2700 K | 570 lm            | 10°,25°,40° | 119203  | 119213 |
| 6W LED  | 3000 K | 570 lm            | 10°,25°,40° | 119201  | 119211 |
| 6W LED  | 4000 K | 581 lm            | 10°,25°,40° | 119202  | 119212 |
| 6W LED  | 6000 K | 593 lm            | 10°,25°,40° | 119204  | 119214 |
| 11W LED | 2700 K | 1045 lm           | 10°,25°,40° | 119223  | 119233 |
| 11W LED | 3000 K | 1045 lm           | 10°,25°,40° | 119221  | 119231 |
| 11W LED | 4000 K | 1065 lm           | 10°,25°,40° | 119222  | 119232 |
| 11W LED | 6000 K | 1087 lm           | 10°,25°,40° | 119224  | 119234 |

#### 25° Asymmetrical



| Power   | Kelvin | Real Lumen Output | Lens        | Code No |        |
|---------|--------|-------------------|-------------|---------|--------|
|         |        |                   |             | Round   | Square |
| 6W LED  | 2700 K | 570 lm            | 10°,25°,40° | 119403  | 119413 |
| 6W LED  | 3000 K | 570 lm            | 10°,25°,40° | 119401  | 119411 |
| 6W LED  | 4000 K | 581 lm            | 10°,25°,40° | 119402  | 119412 |
| 6W LED  | 6000 K | 593 lm            | 10°,25°,40° | 119404  | 119414 |
| 11W LED | 2700 K | 1045 lm           | 10°,25°,40° | 119423  | 119433 |
| 11W LED | 3000 K | 1045 lm           | 10°,25°,40° | 119421  | 119431 |
| 11W LED | 4000 K | 1065 lm           | 10°,25°,40° | 119422  | 119432 |
| 11W LED | 6000 K | 1087 lm           | 10°,25°,40° | 119424  | 119434 |



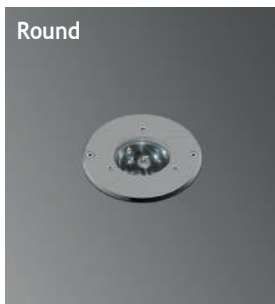
Honeycomb  
Code No: 953522



# BELKIS 2

## RECESSED WALK OVER WITH TIR LENS FIXTURES

### Class I IP67 IK08



#### COB LED

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

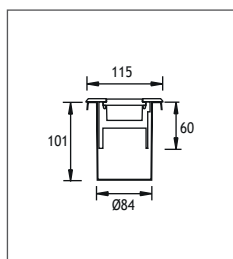
**Diffuser** : Clear Glass 8mm (Frosted Glass on request)

**CRI** : >80 or >90

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

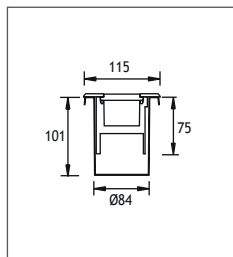
Fix to Recessing Tube with Screws

#### Symmetrical



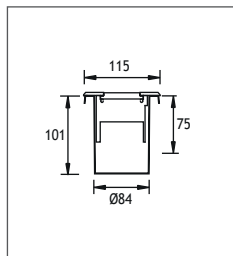
| Power   | Kelvin | Real Lumen Output | Lens        | Code No |        |
|---------|--------|-------------------|-------------|---------|--------|
|         |        |                   |             | Round   | Square |
| 6W LED  | 2700 K | 570 lm            | 10°,25°,40° | 119103  | 119113 |
| 6W LED  | 3000 K | 570 lm            | 10°,25°,40° | 119101  | 119111 |
| 6W LED  | 4000 K | 581 lm            | 10°,25°,40° | 119102  | 119112 |
| 6W LED  | 6000 K | 593 lm            | 10°,25°,40° | 119104  | 119114 |
| 11W LED | 2700 K | 1045 lm           | 10°,25°,40° | 119123  | 119133 |
| 11W LED | 3000 K | 1045 lm           | 10°,25°,40° | 119121  | 119131 |
| 11W LED | 4000 K | 1065 lm           | 10°,25°,40° | 119122  | 119132 |
| 11W LED | 6000 K | 1087 lm           | 10°,25°,40° | 119124  | 119134 |

#### Symmetrical Deep

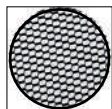


| Power   | Kelvin | Real Lumen Output | Lens        | Code No |        |
|---------|--------|-------------------|-------------|---------|--------|
|         |        |                   |             | Round   | Square |
| 6W LED  | 2700 K | 570 lm            | 10°,25°,40° | 140001  | 140101 |
| 6W LED  | 3000 K | 570 lm            | 10°,25°,40° | 140002  | 140102 |
| 6W LED  | 4000 K | 581 lm            | 10°,25°,40° | 140003  | 140103 |
| 6W LED  | 6000 K | 593 lm            | 10°,25°,40° | 140004  | 140104 |
| 11W LED | 2700 K | 1045 lm           | 10°,25°,40° | 140011  | 140111 |
| 11W LED | 3000 K | 1045 lm           | 10°,25°,40° | 140012  | 140112 |
| 11W LED | 4000 K | 1065 lm           | 10°,25°,40° | 140013  | 140113 |
| 11W LED | 6000 K | 1087 lm           | 10°,25°,40° | 140014  | 140114 |

#### Halogen



| Power       | Lampholder | Reflector | Code No |        |
|-------------|------------|-----------|---------|--------|
|             |            |           | Round   | Square |
| HALOGEN 35W | Gu10       | 10°, 38°  | 322121  | 322221 |

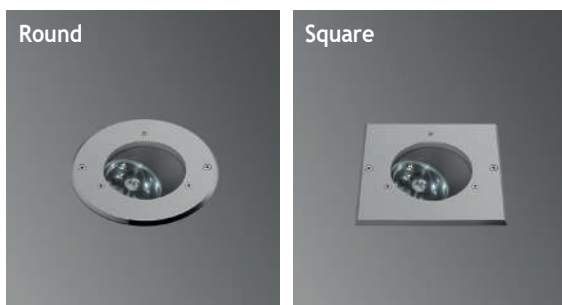


Honeycomb  
Code No: 953522

# BELKIS 2

## RECESSED WALK OVER WITH TIR LENS FIXTURES

### Class I IP67 IK08



#### COB LED

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

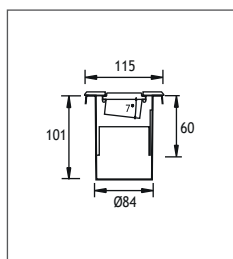
**Diffuser** : Clear Glass 8mm (Frosted Glass on request)

**CRI** : >80 or >90

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

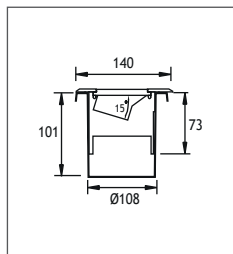
Fix to Recessing Tube with Screws

#### 7° Asymmetrical



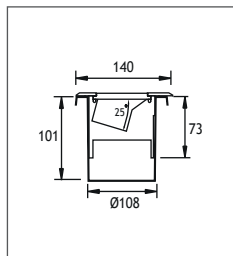
| Power   | Kelvin | Real Lumen Output | Lens        | Code No |        |
|---------|--------|-------------------|-------------|---------|--------|
|         |        |                   |             | Round   | Square |
| 6W LED  | 2700 K | 570 lm            | 10°,20°,30° | 141001  | 141101 |
| 6W LED  | 3000 K | 570 lm            | 10°,20°,30° | 141002  | 141102 |
| 6W LED  | 4000 K | 581 lm            | 10°,20°,30° | 141003  | 141103 |
| 6W LED  | 6000 K | 593 lm            | 10°,20°,30° | 141004  | 141104 |
| 11W LED | 2700 K | 1045 lm           | 10°,20°,30° | 141011  | 141111 |
| 11W LED | 3000 K | 1045 lm           | 10°,20°,30° | 141012  | 141112 |
| 11W LED | 4000 K | 1065 lm           | 10°,20°,30° | 141013  | 141113 |
| 11W LED | 6000 K | 1087 lm           | 10°,20°,30° | 141014  | 141114 |

#### 15° Asymmetrical

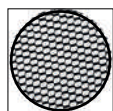


| Power   | Kelvin | Real Lumen Output | Lens        | Code No |        |
|---------|--------|-------------------|-------------|---------|--------|
|         |        |                   |             | Round   | Square |
| 6W LED  | 2700 K | 570 lm            | 10°,20°,30° | 119304  | 119313 |
| 6W LED  | 3000 K | 570 lm            | 10°,20°,30° | 119301  | 119311 |
| 6W LED  | 4000 K | 581 lm            | 10°,20°,30° | 119302  | 119312 |
| 6W LED  | 6000 K | 593 lm            | 10°,20°,30° | 119305  | 119314 |
| 11W LED | 2700 K | 1045 lm           | 10°,20°,30° | 119323  | 119333 |
| 11W LED | 3000 K | 1045 lm           | 10°,20°,30° | 119321  | 119331 |
| 11W LED | 4000 K | 1065 lm           | 10°,20°,30° | 119322  | 119332 |
| 11W LED | 6000 K | 1087 lm           | 10°,20°,30° | 119324  | 119334 |

#### 25° Asymmetrical



| Power   | Kelvin | Real Lumen Output | Lens        | Code No |        |
|---------|--------|-------------------|-------------|---------|--------|
|         |        |                   |             | Round   | Square |
| 6W LED  | 2700 K | 570 lm            | 10°,20°,30° | 119503  | 119513 |
| 6W LED  | 3000 K | 570 lm            | 10°,20°,30° | 119501  | 119511 |
| 6W LED  | 4000 K | 581 lm            | 10°,20°,30° | 119502  | 119512 |
| 6W LED  | 6000 K | 593 lm            | 10°,20°,30° | 119504  | 119514 |
| 11W LED | 2700 K | 1045 lm           | 10°,20°,30° | 119523  | 119533 |
| 11W LED | 3000 K | 1045 lm           | 10°,20°,30° | 119521  | 119531 |
| 11W LED | 4000 K | 1065 lm           | 10°,20°,30° | 119522  | 119532 |
| 11W LED | 6000 K | 1087 lm           | 10°,20°,30° | 119524  | 119534 |

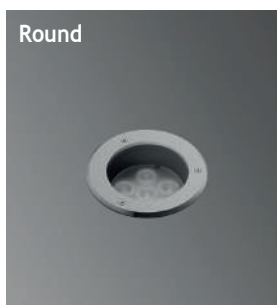


Honeycomb  
Code No: 953522

# BELKIS 3

## RECESSED WALK OVER FIXTURES

### Class I IP67 IK08



#### POWER LED

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

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

**CRI** : >80 or >90

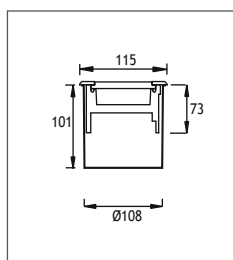
**Cable** : Potted 1 m 3x1 H03 VV-F

Single color LED options upon request are ;

Blue Amber Green Red

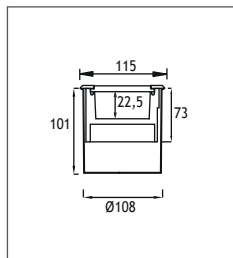
Fix to Recessing Tube with Silicone

#### Symmetrical



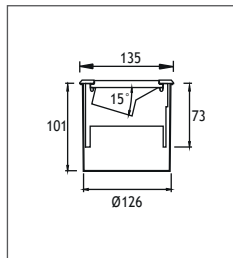
| Power   | Kelvin | Real Lumen Output | Lens        | Code No |        |
|---------|--------|-------------------|-------------|---------|--------|
|         |        |                   |             | Round   | Square |
| 6W LED  | 2700 K | 570 lm            | 10°,25°,40° | 422204  | 422212 |
| 6W LED  | 3000 K | 570 lm            | 10°,25°,40° | 422201  | 422211 |
| 6W LED  | 4000 K | 581 lm            | 10°,25°,40° | 422202  | 422216 |
| 6W LED  | 6000 K | 593 lm            | 10°,25°,40° | 422203  | 422217 |
| 18W LED | RGB    | Red Green Blue    | 25°,40°     | 422261  | 422271 |

#### Symmetrical Deep



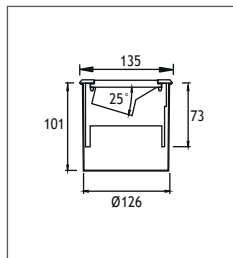
| Power   | Kelvin | Real Lumen Output | Lens        | Code No |        |
|---------|--------|-------------------|-------------|---------|--------|
|         |        |                   |             | Round   | Square |
| 6W LED  | 2700 K | 570 lm            | 10°,25°,40° | 326104  | 326114 |
| 6W LED  | 3000 K | 570 lm            | 10°,25°,40° | 326101  | 326111 |
| 6W LED  | 4000 K | 581 lm            | 10°,25°,40° | 326102  | 326112 |
| 6W LED  | 6000 K | 593 lm            | 10°,25°,40° | 326103  | 326113 |
| 18W LED | RGB    | Red Green Blue    | 25°,40°     | 326141  | 326151 |

#### 15° Asymmetrical

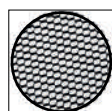


| Power   | Kelvin | Real Lumen Output | Lens        | Code No |        |
|---------|--------|-------------------|-------------|---------|--------|
|         |        |                   |             | Round   | Square |
| 6W LED  | 2700 K | 570 lm            | 10°,25°,40° | 423104  | 423114 |
| 6W LED  | 3000 K | 570 lm            | 10°,25°,40° | 423101  | 423111 |
| 6W LED  | 4000 K | 581 lm            | 10°,25°,40° | 423102  | 423112 |
| 6W LED  | 6000 K | 593 lm            | 10°,25°,40° | 423103  | 423113 |
| 18W LED | RGB    | Red Green Blue    | 25°,40°     | 423141  | 423151 |

#### 25° Asymmetrical



| Power   | Kelvin | Real Lumen Output | Lens        | Code No |        |
|---------|--------|-------------------|-------------|---------|--------|
|         |        |                   |             | Round   | Square |
| 6W LED  | 2700 K | 570 lm            | 10°,25°,40° | 423184  | 423194 |
| 6W LED  | 3000 K | 570 lm            | 10°,25°,40° | 423181  | 423191 |
| 6W LED  | 4000 K | 581 lm            | 10°,25°,40° | 423182  | 423192 |
| 6W LED  | 6000 K | 593 lm            | 10°,25°,40° | 423183  | 423193 |
| 18W LED | RGB    | Red Green Blue    | 25°,40°     | 423221  | 423231 |



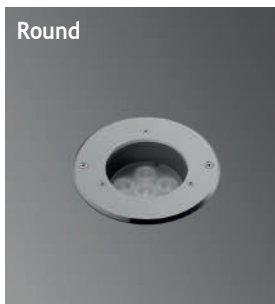
Honeycomb  
Code No: 953523



# BELKIS 3

## RECESSED WALK OVER FIXTURES

### Class I IP67 IK08



#### POWER LED

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

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

**CRI** : >80 or >90

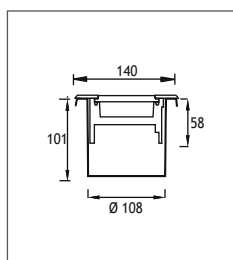
**Cable** : Potted 1 m 3x1 H03 VV-F

Single color LED options upon request are ;

Blue Amber Green Red

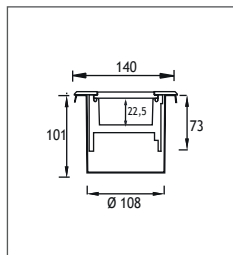
Fix to Recessing Tube with Screws

#### Symmetrical



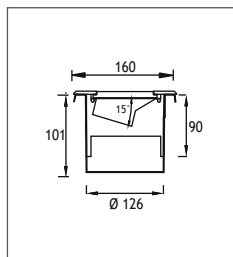
| Power   | Kelvin | Real Lumen Output | Lens        | Code No |        |
|---------|--------|-------------------|-------------|---------|--------|
|         |        |                   |             | Round   | Square |
| 6W LED  | 2700 K | 570 lm            | 10°,25°,40° | 422222  | 422232 |
| 6W LED  | 3000 K | 570 lm            | 10°,25°,40° | 422221  | 422231 |
| 6W LED  | 4000 K | 581 lm            | 10°,25°,40° | 422226  | 422236 |
| 6W LED  | 6000 K | 593 lm            | 10°,25°,40° | 422227  | 422237 |
| 18W LED | RGB    | Red, Green, Blue  | 25°,40°     | 422251  | 422251 |

#### Symmetrical Deep



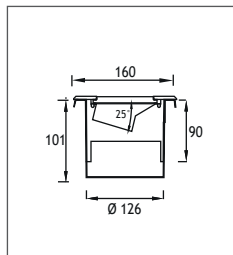
| Power   | Kelvin | Real Lumen Output | Lens        | Code No |        |
|---------|--------|-------------------|-------------|---------|--------|
|         |        |                   |             | Round   | Square |
| 6W LED  | 2700 K | 570 lm            | 10°,25°,40° | 326124  | 326134 |
| 6W LED  | 3000 K | 570 lm            | 10°,25°,40° | 326121  | 326131 |
| 6W LED  | 4000 K | 581 lm            | 10°,25°,40° | 326122  | 326132 |
| 6W LED  | 6000 K | 593 lm            | 10°,25°,40° | 326123  | 326133 |
| 18W LED | RGB    | Red, Green, Blue  | 25°,40°     | 326401  | 326411 |

#### 15° Asymmetrical

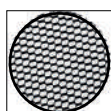


| Power   | Kelvin | Real Lumen Output | Lens        | Code No |        |
|---------|--------|-------------------|-------------|---------|--------|
|         |        |                   |             | Round   | Square |
| 6W LED  | 2700 K | 570 lm            | 10°,25°,40° | 423124  | 423134 |
| 6W LED  | 3000 K | 570 lm            | 10°,25°,40° | 423121  | 423131 |
| 6W LED  | 4000 K | 581 lm            | 10°,25°,40° | 423122  | 423132 |
| 6W LED  | 6000 K | 593 lm            | 10°,25°,40° | 423123  | 423133 |
| 18W LED | RGB    | Red, Green, Blue  | 25°,40°     | 423161  | 423171 |

#### 25° Asymmetrical



| Power   | Kelvin | Real Lumen Output | Lens        | Code No |        |
|---------|--------|-------------------|-------------|---------|--------|
|         |        |                   |             | Round   | Square |
| 6W LED  | 2700 K | 570 lm            | 10°,25°,40° | 423204  | 423214 |
| 6W LED  | 3000 K | 570 lm            | 10°,25°,40° | 423201  | 423211 |
| 6W LED  | 4000 K | 581 lm            | 10°,25°,40° | 423202  | 423212 |
| 6W LED  | 6000 K | 593 lm            | 10°,25°,40° | 423203  | 423213 |
| 18W LED | RGB    | Red, Green, Blue  | 25°,40°     | 423241  | 423251 |

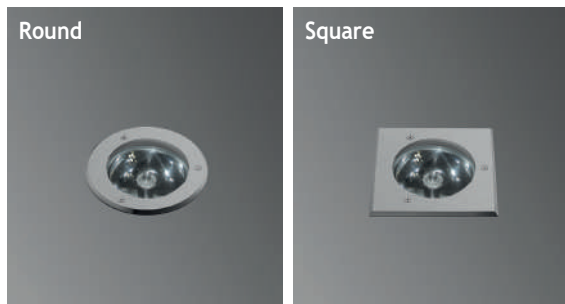


Honeycomb  
Code No: 953523

# BELKIS 3

## RECESSED WALK OVER WITH TIR LENS FIXTURES

### Class I IP67 IK08



#### COB LED

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

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

**CRI** : >80 or >90

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

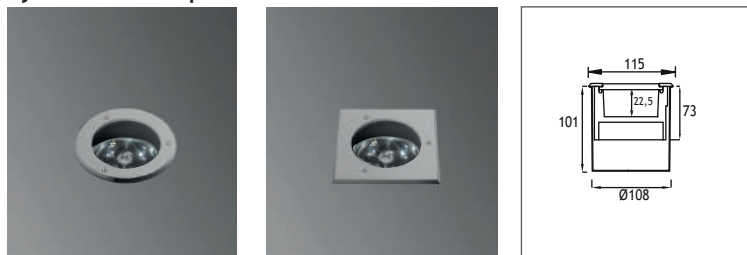
Fix to Recessing Tube with Silicone

#### Symmetrical



| Power   | Kelvin | Real Lumen Output | Lens        | Code No |        |
|---------|--------|-------------------|-------------|---------|--------|
|         |        |                   |             | Round   | Square |
| 6W LED  | 2700 K | 1045 lm           | 10°,20°,30° | 119603  | 119613 |
| 6W LED  | 3000 K | 1045 lm           | 10°,20°,30° | 119601  | 119611 |
| 11W LED | 4000 K | 1065 lm           | 10°,20°,30° | 119602  | 119612 |
| 11W LED | 6000 K | 1087 lm           | 10°,20°,30° | 119604  | 119614 |

#### Symmetrical Deep



| Power   | Kelvin | Real Lumen Output | Lens        | Code No |        |
|---------|--------|-------------------|-------------|---------|--------|
|         |        |                   |             | Round   | Square |
| 6W LED  | 2700 K | 1045 lm           | 10°,20°,30° | 120801  | 120811 |
| 6W LED  | 3000 K | 1045 lm           | 10°,20°,30° | 120802  | 120812 |
| 11W LED | 4000 K | 1065 lm           | 10°,20°,30° | 120803  | 120813 |
| 11W LED | 6000 K | 1087 lm           | 10°,20°,30° | 120804  | 120814 |

#### 15° Asymmetrical

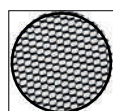


| Power   | Kelvin | Real Lumen Output | Lens        | Code No |        |
|---------|--------|-------------------|-------------|---------|--------|
|         |        |                   |             | Round   | Square |
| 6W LED  | 2700 K | 1045 lm           | 10°,20°,30° | 119803  | 119813 |
| 6W LED  | 3000 K | 1045 lm           | 10°,20°,30° | 119801  | 119811 |
| 11W LED | 4000 K | 1065 lm           | 10°,20°,30° | 119802  | 119812 |
| 11W LED | 6000 K | 1087 lm           | 10°,20°,30° | 119804  | 119814 |

#### 25° Asymmetrical



| Power   | Kelvin | Real Lumen Output | Lens        | Code No |        |
|---------|--------|-------------------|-------------|---------|--------|
|         |        |                   |             | Round   | Square |
| 6W LED  | 2700 K | 1045 lm           | 10°,20°,30° | 120003  | 120013 |
| 6W LED  | 3000 K | 1045 lm           | 10°,20°,30° | 120001  | 120011 |
| 11W LED | 4000 K | 1065 lm           | 10°,20°,30° | 120002  | 120012 |
| 11W LED | 6000 K | 1087 lm           | 10°,20°,30° | 120004  | 120014 |

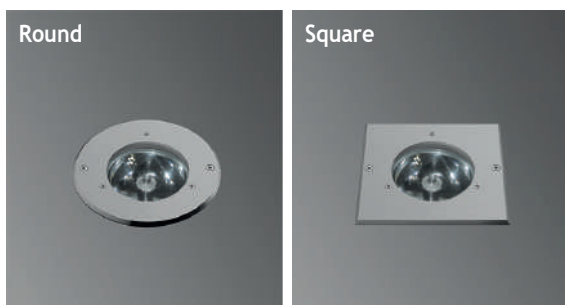


Honeycomb  
Code No: 953523

# BELKIS 3

## RECESSED WALK OVER WITH TIR LENS FIXTURES

### Class I IP67 IK08



#### COB LED

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

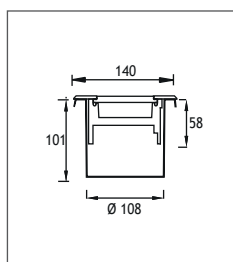
**Diffuser** : Clear Glass 8mm (Frosted Glass on request)

**CRI** : >80 or >90

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

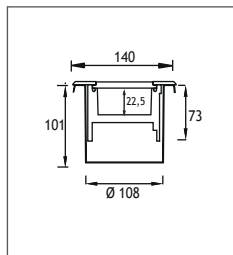
Fix to Recessing Tube with Screws

#### Symmetrical



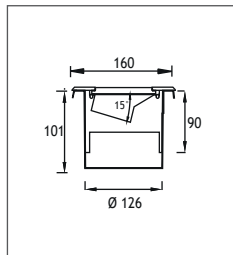
| Power   | Kelvin | Real Lumen Output | Lens        | Code No |        |
|---------|--------|-------------------|-------------|---------|--------|
|         |        |                   |             | Round   | Square |
| 6W LED  | 2700 K | 1045 lm           | 10°,20°,30° | 119703  | 119713 |
| 6W LED  | 3000 K | 1045 lm           | 10°,20°,30° | 119701  | 119711 |
| 11W LED | 4000 K | 1065 lm           | 10°,20°,30° | 119702  | 119712 |
| 11W LED | 6000 K | 1087 lm           | 10°,20°,30° | 119704  | 119714 |

#### Symmetrical Deep



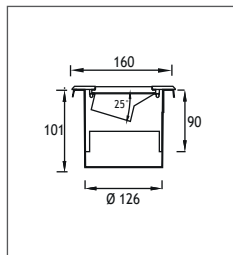
| Power   | Kelvin | Real Lumen Output | Lens        | Code No |        |
|---------|--------|-------------------|-------------|---------|--------|
|         |        |                   |             | Round   | Square |
| 6W LED  | 2700 K | 1045 lm           | 10°,20°,30° | 120901  | 120911 |
| 6W LED  | 3000 K | 1045 lm           | 10°,20°,30° | 120902  | 120912 |
| 11W LED | 4000 K | 1065 lm           | 10°,20°,30° | 120903  | 120913 |
| 11W LED | 6000 K | 1087 lm           | 10°,20°,30° | 120904  | 120914 |

#### 15° Asymmetrical

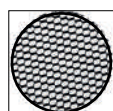


| Power   | Kelvin | Real Lumen Output | Lens        | Code No |        |
|---------|--------|-------------------|-------------|---------|--------|
|         |        |                   |             | Round   | Square |
| 6W LED  | 2700 K | 1045 lm           | 10°,20°,30° | 119903  | 119913 |
| 6W LED  | 3000 K | 1045 lm           | 10°,20°,30° | 119901  | 119911 |
| 11W LED | 4000 K | 1065 lm           | 10°,20°,30° | 119902  | 119912 |
| 11W LED | 6000 K | 1087 lm           | 10°,20°,30° | 119904  | 119914 |

#### 25° Asymmetrical



| Power   | Kelvin | Real Lumen Output | Lens        | Code No |        |
|---------|--------|-------------------|-------------|---------|--------|
|         |        |                   |             | Round   | Square |
| 6W LED  | 2700 K | 1045 lm           | 10°,20°,30° | 121003  | 121013 |
| 6W LED  | 3000 K | 1045 lm           | 10°,20°,30° | 121001  | 121011 |
| 11W LED | 4000 K | 1065 lm           | 10°,20°,30° | 121002  | 121012 |
| 11W LED | 6000 K | 1087 lm           | 10°,20°,30° | 121004  | 121014 |



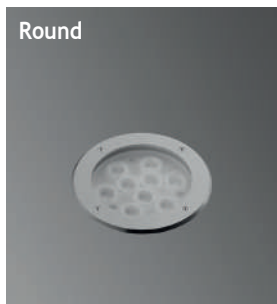
Honeycomb  
Code No: 953523



# BELKIS 4

## RECESSED WALK OVER FIXTURES

### Class I IP67 IK08



#### POWER LED or COB LED

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

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

**CRI** : >80 or >90

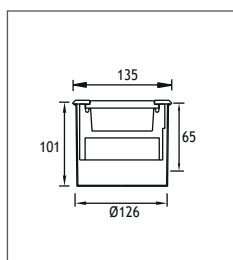
**Cable** : Potted 1 m 3x1 H03 VV-F

Single color LED options upon request are ;

Blue Amber Green Red

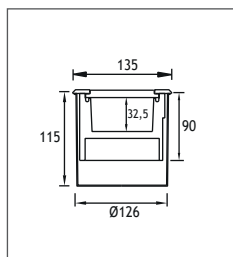
Fix to Recessing Tube with Silicone

#### Symmetrical



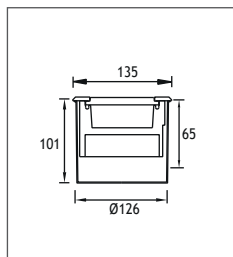
| Power  | Kelvin | Real Lumen Output | Lens        | Code No Round | Code No Square |
|--------|--------|-------------------|-------------|---------------|----------------|
| 9W LED | 2700 K | 855 lm            | 10°,25°,40° | 422302        | 422312         |
| 9W LED | 3000 K | 855 lm            | 10°,25°,40° | 422301        | 422311         |
| 9W LED | 4000 K | 872 lm            | 10°,25°,40° | 422306        | 422316         |
| 9W LED | 6000 K | 890 lm            | 10°,25°,40° | 422307        | 422317         |

#### Symmetrical Deep



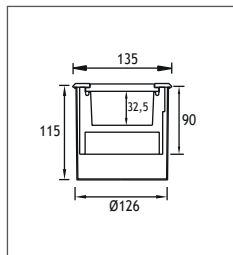
| Power  | Kelvin | Real Lumen Output | Lens        | Code No Round | Code No Square |
|--------|--------|-------------------|-------------|---------------|----------------|
| 9W LED | 2700 K | 855 lm            | 10°,25°,40° | 326204        | 326214         |
| 9W LED | 3000 K | 855 lm            | 10°,25°,40° | 326201        | 326211         |
| 9W LED | 4000 K | 872 lm            | 10°,25°,40° | 326202        | 326212         |
| 9W LED | 6000 K | 890 lm            | 10°,25°,40° | 326203        | 326213         |

#### Symmetrical

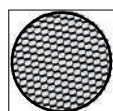


| Power       | Kelvin | Real Lumen Output | Lens        | Code No Round | Code No Square |
|-------------|--------|-------------------|-------------|---------------|----------------|
| 18W COB LED | 2700 K | 1710 lm           | 10°,20°,30° | 120203        | 120213         |
| 18W COB LED | 3000 K | 1710 lm           | 10°,20°,30° | 120201        | 120211         |
| 18W COB LED | 4000 K | 1744 lm           | 10°,20°,30° | 120202        | 120212         |
| 18W COB LED | 6000 K | 1779 lm           | 10°,20°,30° | 120204        | 120214         |

#### Symmetrical Deep



| Power       | Kelvin | Real Lumen Output | Lens    | Code No Round | Code No Square |
|-------------|--------|-------------------|---------|---------------|----------------|
| 13W COB LED | 2700 K | 1235 lm           | 24°,38° | 326303        | 326313         |
| 13W COB LED | 3000 K | 1235 lm           | 24°,38° | 326301        | 326311         |
| 13W COB LED | 4000 K | 1259 lm           | 24°,38° | 326302        | 326312         |
| 13W COB LED | 6000 K | 1259 lm           | 24°,38° | 326304        | 326314         |

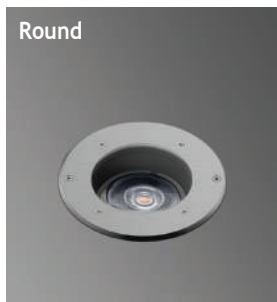


Honeycomb  
Code No: 953524

# BELKIS 4

## RECESSED WALK OVER FIXTURES

### Class I IP67 IK08



Round



Square

#### POWER LED or COB LED

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

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

**CRI** : >80 or >90

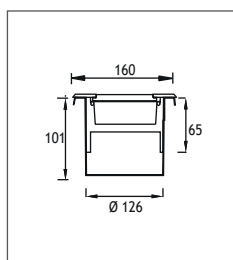
**Cable** : Potted 1 m 3x1 H03 VV-F

Single color LED options upon request are ;

Blue Amber Green Red

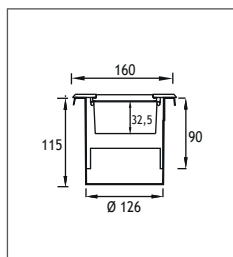
Fix to Recessing Tube with Screws

#### Symmetrical



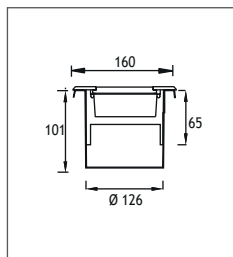
| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 9W LED | 2700 K | 855 lm            | 10°,25°,40° | 422322  | 422332 |
| 9W LED | 3000 K | 855 lm            | 10°,25°,40° | 422321  | 422331 |
| 9W LED | 4000 K | 872 lm            | 10°,25°,40° | 422326  | 422336 |
| 9W LED | 6000 K | 890 lm            | 10°,25°,40° | 422327  | 422337 |

#### Symmetrical Deep



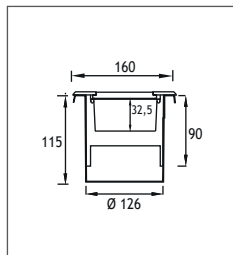
| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 9W LED | 2700 K | 855 lm            | 10°,25°,40° | 326224  | 326234 |
| 9W LED | 3000 K | 855 lm            | 10°,25°,40° | 326221  | 326231 |
| 9W LED | 4000 K | 872 lm            | 10°,25°,40° | 326222  | 326232 |
| 9W LED | 6000 K | 890 lm            | 10°,25°,40° | 326223  | 326233 |

#### Symmetrical

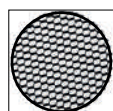


| Power       | Kelvin | Real Lumen Output | Lens        | Code No |        |
|-------------|--------|-------------------|-------------|---------|--------|
|             |        |                   |             | Round   | Square |
| 18W COB LED | 2700 K | 1710 lm           | 10°,20°,30° | 120303  | 120313 |
| 18W COB LED | 3000 K | 1710 lm           | 10°,20°,30° | 120301  | 120311 |
| 18W COB LED | 4000 K | 1744 lm           | 10°,20°,30° | 120302  | 120312 |
| 18W COB LED | 6000 K | 1779 lm           | 10°,20°,30° | 120304  | 120314 |

#### Symmetrical Deep



| Power       | Kelvin | Real Lumen Output | Lens    | Code No |        |
|-------------|--------|-------------------|---------|---------|--------|
|             |        |                   |         | Round   | Square |
| 13W COB LED | 2700 K | 1235 lm           | 24°,38° | 326323  | 326333 |
| 13W COB LED | 3000 K | 1235 lm           | 24°,38° | 326321  | 326331 |
| 13W COB LED | 4000 K | 1259 lm           | 24°,38° | 326322  | 326332 |
| 13W COB LED | 6000 K | 1259 lm           | 24°,38° | 326324  | 326334 |

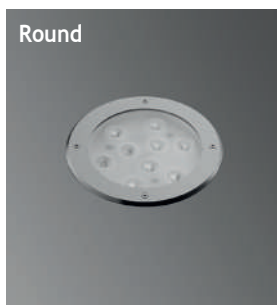


Honeycomb  
Code No: 953524

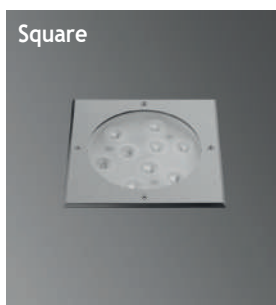
# BELKIS 5

## RECESSED WALK OVER FIXTURES

### Class I IP67 IK08



Round



Square

#### POWER LED or COB LED

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

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

**CRI** : >80 or >90

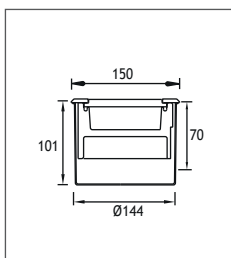
**Cable** : Potted 1 m 3x1 H03 VV-F

Single color LED options upon request are ;

Blue Amber Green Red

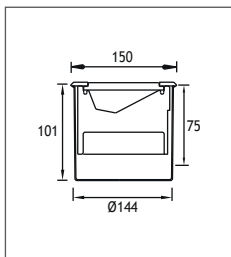
Fix to Recessing Tube with Silicone

#### Symmetrical



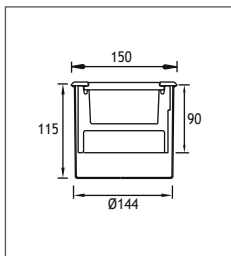
| Power   | Kelvin | Real Lumen Output | Lens          | Code No |        |
|---------|--------|-------------------|---------------|---------|--------|
|         |        |                   |               | Round   | Square |
| 9W LED  | 2700 K | 2560 lm           | 10°, 25°, 40° | 422422  | 422432 |
| 9W LED  | 3000 K | 2560 lm           | 10°, 25°, 40° | 422421  | 422431 |
| 9W LED  | 4000 K | 2610 lm           | 10°, 25°, 40° | 422426  | 422436 |
| 9W LED  | 6000 K | 2670 lm           | 10°, 25°, 40° | 422427  | 422437 |
| 27W LED | 2700 K | 2560 lm           | 10°, 25°, 40° | 423704  | 423314 |
| 27W LED | 3000 K | 2560 lm           | 10°, 25°, 40° | 423301  | 423311 |
| 27W LED | 4000 K | 2610 lm           | 10°, 25°, 40° | 423302  | 423312 |
| 27W LED | 6000 K | 2670 lm           | 10°, 25°, 40° | 423303  | 423313 |
| 27W LED | RGB    |                   | 25°, 40°      | 423341  | 423351 |

#### Wallwasher

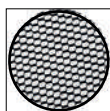


| Power       | Kelvin | Real Lumen Output | Reflector    | Code No |        |
|-------------|--------|-------------------|--------------|---------|--------|
|             |        |                   |              | Round   | Square |
| 13W COB LED | 2700 K | 1235 lm           | Asymmetrical | 423704  | 423714 |
| 13W COB LED | 3000 K | 1235 lm           | Asymmetrical | 423701  | 423711 |
| 13W COB LED | 4000 K | 1259 lm           | Asymmetrical | 423702  | 423712 |
| 13W COB LED | 6000 K | 1284 lm           | Asymmetrical | 423703  | 423713 |

#### Symmetrical Halogen



| Power           | Lampholder | Reflector | Code No |        |
|-----------------|------------|-----------|---------|--------|
|                 |            |           | Round   | Square |
| PAR 75W HALOGEN | E27        | 10°, 38°  | 324111  | 324211 |



Honeycomb  
Code No: 953525

# BELKIS 5

## RECESSED WALK OVER FIXTURES

### Class I IP67 IK08



#### POWER LED or COB LED

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

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

**CRI** : >80 or >90

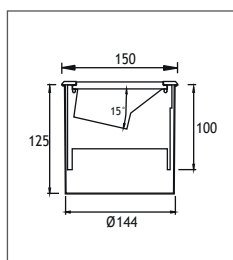
**Cable** : Potted 1 m 3x1 H03 VV-F

Single color LED options upon request are ;

Blue Amber Green Red

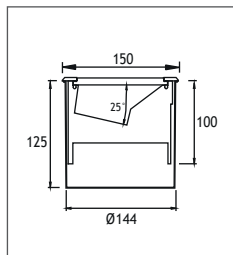
Fix to Recessing Tube with Silicone

#### 15° Asymmetrical



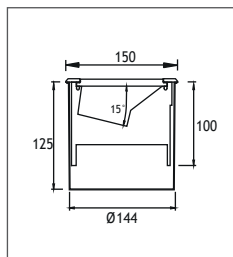
| Power   | Kelvin | Real Lumen Output | Lens        | Code No Round | Code No Square |
|---------|--------|-------------------|-------------|---------------|----------------|
| 27W LED | 2700 K | 2560 lm           | 10°,25°,40° | 423604        | 423614         |
| 27W LED | 3000 K | 2560 lm           | 10°,25°,40° | 423601        | 423611         |
| 27W LED | 4000 K | 2610 lm           | 10°,25°,40° | 423602        | 423612         |
| 27W LED | 6000 K | 2670 lm           | 10°,25°,40° | 423603        | 423613         |
| 27W LED | RGB    |                   | 25°,40°     | 423251        | 423411         |

#### 25° Asymmetrical



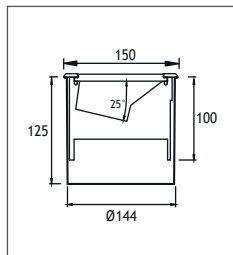
| Power   | Kelvin | Real Lumen Output | Lens        | Code No Round | Code No Square |
|---------|--------|-------------------|-------------|---------------|----------------|
| 27W LED | 2700 K | 2560 lm           | 10°,25°,40° | 423644        | 423654         |
| 27W LED | 3000 K | 2560 lm           | 10°,25°,40° | 423641        | 423651         |
| 27W LED | 4000 K | 2610 lm           | 10°,25°,40° | 423642        | 423652         |
| 27W LED | 6000 K | 2670 lm           | 10°,25°,40° | 423643        | 423653         |
| 27W LED | RGB    |                   | 25°,40°     | 423281        | 423491         |

#### 15° Asymmetrical

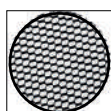


| Power       | Kelvin | Real Lumen Output | Lens        | Code No Round | Code No Square |
|-------------|--------|-------------------|-------------|---------------|----------------|
| 25W COB LED | 2700 K | 2375 lm           | 10°,20°,30° | 120403        | 120413         |
| 25W COB LED | 3000 K | 2375 lm           | 10°,20°,30° | 120401        | 120411         |
| 25W COB LED | 4000 K | 2422 lm           | 10°,20°,30° | 120402        | 120412         |
| 25W COB LED | 6000 K | 2470 lm           | 10°,20°,30° | 120404        | 120414         |

#### 25° Asymmetrical



| Power       | Kelvin | Real Lumen Output | Lens        | Code No Round | Code No Square |
|-------------|--------|-------------------|-------------|---------------|----------------|
| 25W COB LED | 2700 K | 2375 lm           | 10°,20°,30° | 120603        | 120613         |
| 25W COB LED | 3000 K | 2375 lm           | 10°,20°,30° | 120601        | 120611         |
| 25W COB LED | 4000 K | 2422 lm           | 10°,20°,30° | 120602        | 120612         |
| 25W COB LED | 6000 K | 2470 lm           | 10°,20°,30° | 120604        | 120614         |



Honeycomb  
Code No: 953525

# BELKIS 5

## RECESSED WALK OVER FIXTURES

### Class I IP67 IK08



Round



Square

#### POWER LED or COB LED

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

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

**CRI** : >80 or >90

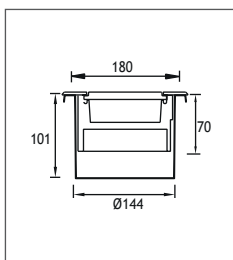
**Cable** : Potted 1 m 3x1 H03 VV-F

Single color LED options upon request are ;

Blue Amber Green Red

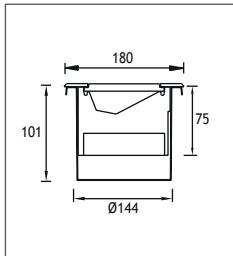
Fix to Recessing Tube with Screws

#### Symmetrical



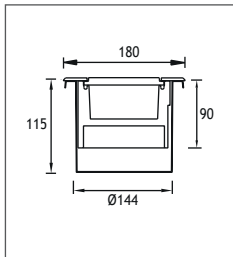
| Power   | Kelvin | Real Lumen Output | Lens          | Code No |        |
|---------|--------|-------------------|---------------|---------|--------|
|         |        |                   |               | Round   | Square |
| 9W LED  | 2700 K | 2560 lm           | 10°, 25°, 40° | 422442  | 422432 |
| 9W LED  | 3000 K | 2560 lm           | 10°, 25°, 40° | 422441  | 422431 |
| 9W LED  | 4000 K | 2610 lm           | 10°, 25°, 40° | 422446  | 422436 |
| 9W LED  | 6000 K | 2670 lm           | 10°, 25°, 40° | 422447  | 422437 |
| 27W LED | 2700 K | 2560 lm           | 10°, 25°, 40° | 423324  | 423334 |
| 27W LED | 3000 K | 2560 lm           | 10°, 25°, 40° | 423321  | 423331 |
| 27W LED | 4000 K | 2610 lm           | 10°, 25°, 40° | 423322  | 423332 |
| 27W LED | 6000 K | 2670 lm           | 10°, 25°, 40° | 423323  | 423333 |
| 27W LED | RGB    |                   | 25°, 40°      | 422381  | 422491 |

#### Wallwasher

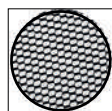


| Power       | Kelvin | Real Lumen Output | Reflector    | Code No |        |
|-------------|--------|-------------------|--------------|---------|--------|
|             |        |                   |              | Round   | Square |
| 13W COB LED | 2700 K | 1235 lm           | Asymmetrical | 423724  | 423734 |
| 13W COB LED | 3000 K | 1235 lm           | Asymmetrical | 423721  | 423731 |
| 13W COB LED | 4000 K | 1259 lm           | Asymmetrical | 423722  | 423732 |
| 13W COB LED | 6000 K | 1284 lm           | Asymmetrical | 423723  | 423733 |

#### Symmetrical Halogen



| Power           | Lampholder | Reflector | Code No |        |
|-----------------|------------|-----------|---------|--------|
|                 |            |           | Round   | Square |
| PAR 75W HALOGEN | E27        | 10°, 38°  | 324121  | 324221 |



Honeycomb  
Code No: 953525

# BELKIS 5

## RECESSED WALK OVER FIXTURES

### Class I IP67 IK08



Round



Square

#### POWER LED or COB LED

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

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

**CRI** : >80 or >90

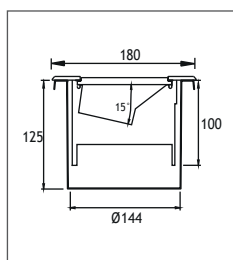
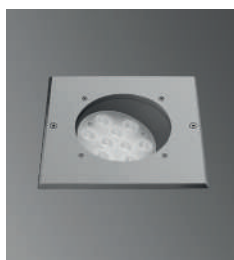
**Cable** : Potted 1 m 3x1 H03 VV-F

Single color LED options upon request are ;

Blue Amber Green Red

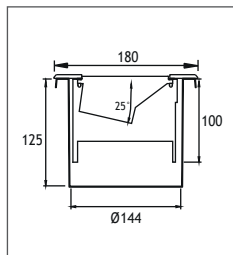
Fix to Recessing Tube with Screws

#### 15° Asymmetrical



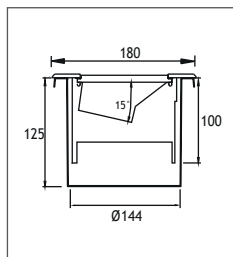
| Power   | Kelvin | Real Lumen Output | Lens        | Code No Round | Code No Square |
|---------|--------|-------------------|-------------|---------------|----------------|
| 27W LED | 2700 K | 2560 lm           | 10°,25°,40° | 423624        | 423634         |
| 27W LED | 3000 K | 2560 lm           | 10°,25°,40° | 423621        | 423631         |
| 27W LED | 4000 K | 2610 lm           | 10°,25°,40° | 423622        | 423632         |
| 27W LED | 6000 K | 2670 lm           | 10°,25°,40° | 423623        | 423633         |
| 27W LED | RGB    |                   | 25°,40°     | 423421        | 423431         |

#### 25° Asymmetrical



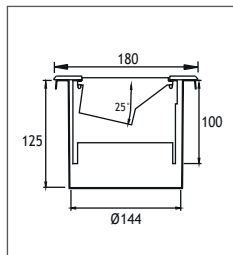
| Power   | Kelvin | Real Lumen Output | Lens        | Code No Round | Code No Square |
|---------|--------|-------------------|-------------|---------------|----------------|
| 27W LED | 2700 K | 2560 lm           | 10°,25°,40° | 423664        | 423674         |
| 27W LED | 3000 K | 2560 lm           | 10°,25°,40° | 423661        | 423671         |
| 27W LED | 4000 K | 2610 lm           | 10°,25°,40° | 423662        | 423672         |
| 27W LED | 6000 K | 2670 lm           | 10°,25°,40° | 423663        | 423673         |
| 27W LED | RGB    |                   | 25°,40°     | 423501        | 423511         |

#### 15° Asymmetrical

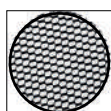


| Power       | Kelvin | Real Lumen Output | Lens        | Code No Round | Code No Square |
|-------------|--------|-------------------|-------------|---------------|----------------|
| 25W COB LED | 2700 K | 2375 lm           | 10°,20°,30° | 120503        | 120513         |
| 25W COB LED | 3000 K | 2375 lm           | 10°,20°,30° | 120501        | 120511         |
| 25W COB LED | 4000 K | 2422 lm           | 10°,20°,30° | 120502        | 120512         |
| 25W COB LED | 6000 K | 2470 lm           | 10°,20°,30° | 120504        | 120514         |

#### 25° Asymmetrical



| Power       | Kelvin | Real Lumen Output | Lens        | Code No Round | Code No Square |
|-------------|--------|-------------------|-------------|---------------|----------------|
| 25W COB LED | 2700 K | 2375 lm           | 10°,20°,30° | 120703        | 120713         |
| 25W COB LED | 3000 K | 2375 lm           | 10°,20°,30° | 120701        | 120711         |
| 25W COB LED | 4000 K | 2422 lm           | 10°,20°,30° | 120702        | 120712         |
| 25W COB LED | 6000 K | 2470 lm           | 10°,20°,30° | 120704        | 120714         |



Honeycomb  
Code No: 953525



# PATNOS

## RECESSED FIXTURES IP67 IK10

The Patnos series is an adaption of the Belkis Recessed series using less or no visible screws. No screws are visible on the cover if silicone is used to glue the fixture to the recessing tube. The series is designed to light walls, facades, columns, monuments, and trees. The fixtures are made of a combination of a 316L stainless steel cover and die cast aluminium body painted with electrostatic powder paint. Tempered glass, silicone gaskets and cast resin complete the fixture to make it IP67 IK10 and withstand rough environments. A specially developed potted power cable is used to effectively bond with the cast resin and stop any water ingress. The fixtures come with an aluminium recessing tube for easy mounting in the ground or concrete. 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.

### Asymmetrical LEDs

In this catalogue EMFA is introducing the tilted LED fixtures. These fixtures give an asymmetrical light output to facades, columns, bridges, monuments, and trees without losing light to the sky. The die cast aluminium body has a fixed built in tilt to allow for proper heat dissipation of the LEDs that can run up to 700mA.

#### Cover

316L Stainless steel

#### Body

Die cast aluminium

#### Recessing Box

Aluminium

#### Gaskets

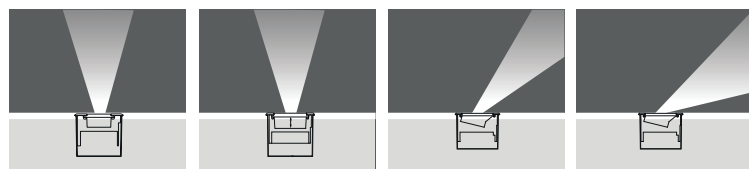
Silicone

#### Diffusers

Tempered Glass

#### Screws

316L Stainless steel

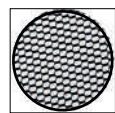


Symmetrical

Symmetrical Deep

15° Asymmetrical

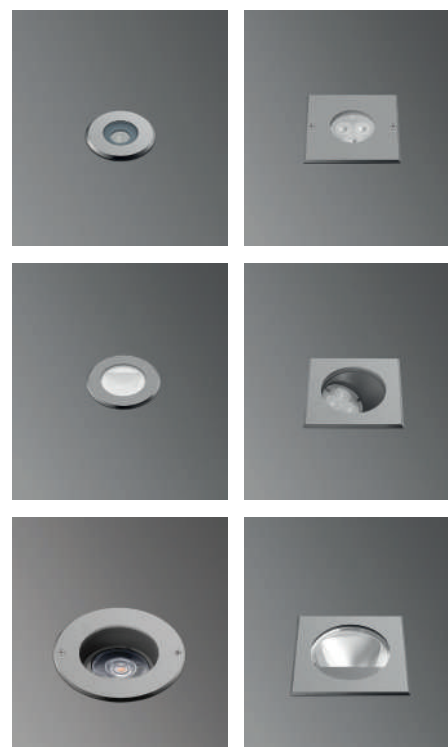
25° Asymmetrical



Honeycomb

### “Customization” is EMFA’s standard

EMFA offers many combinations for each fixture, as all fixtures are made in house. A combination of 2 finishes of stainless steel, 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.

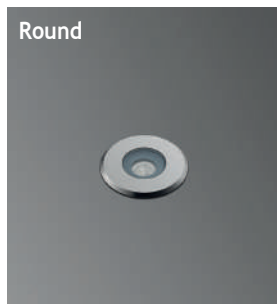
### Thermal Management

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.

# PATNOS 1

## RECESSED WALK OVER FIXTURES

### Class I IP67 IK08



Round



Square

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

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

**CRI** : >80 or >90

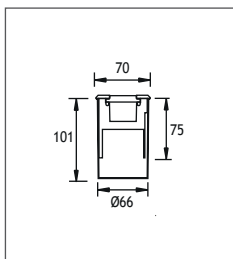
**Cable** : Potted 1 m 3x1 H03 VV-F

Single color LED options upon request are ;

Blue Amber Green Red

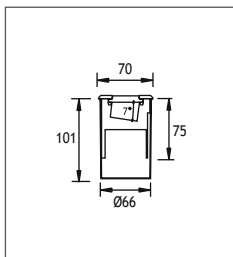
Fix to Recessing Tube with Silicone

#### Symmetrical

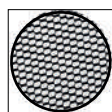


| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 1W LED | 2700 K | 95 lm             | 10°,25°,40° | 160004  | 160014 |
| 1W LED | 3000 K | 95 lm             | 10°,25°,40° | 160001  | 160011 |
| 1W LED | 4000 K | 97 lm             | 10°,25°,40° | 160002  | 160012 |
| 1W LED | 6000 K | 99 lm             | 10°,25°,40° | 160003  | 160013 |
| 3W LED | 2700 K | 380 lm            | 10°,25°,40° | 160044  | 160054 |
| 3W LED | 3000 K | 380 lm            | 10°,25°,40° | 160041  | 160051 |
| 3W LED | 4000 K | 387 lm            | 10°,25°,40° | 160042  | 160052 |
| 3W LED | 6000 K | 395 lm            | 10°,25°,40° | 160043  | 160053 |

#### 7° Asymmetrical



| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 1W LED | 2700 K | 95 lm             | 10°,25°,40° | 160204  | 160214 |
| 1W LED | 3000 K | 95 lm             | 10°,25°,40° | 160201  | 160211 |
| 1W LED | 4000 K | 97 lm             | 10°,25°,40° | 160202  | 160212 |
| 1W LED | 6000 K | 99 lm             | 10°,25°,40° | 160203  | 160213 |
| 3W LED | 2700 K | 380 lm            | 10°,25°,40° | 160244  | 160254 |
| 3W LED | 3000 K | 380 lm            | 10°,25°,40° | 160241  | 160251 |
| 3W LED | 4000 K | 387 lm            | 10°,25°,40° | 160242  | 160252 |
| 3W LED | 6000 K | 395 lm            | 10°,25°,40° | 160243  | 160253 |

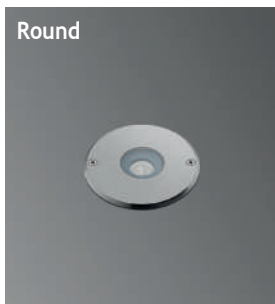


Honeycomb  
Code No: 953521

# PATNOS 1

## RECESSED WALK OVER FIXTURES

### Class I IP67 IK08



Round



Square

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

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

**CRI** : >80 or >90

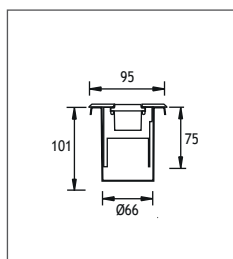
**Cable** : Potted 1 m 3x1 H03 VV-F

Single color LED options upon request are ;

Blue Amber Green Red

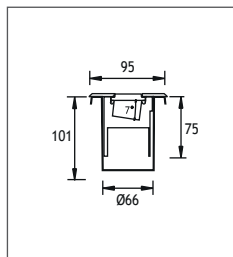
Fix to Recessing Tube with Screws

#### Symmetrical

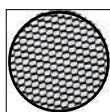


| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 1W LED | 2700 K | 95 lm             | 10°,25°,40° | 160024  | 160034 |
| 1W LED | 3000 K | 95 lm             | 10°,25°,40° | 160021  | 160031 |
| 1W LED | 4000 K | 97 lm             | 10°,25°,40° | 160022  | 160032 |
| 1W LED | 6000 K | 99 lm             | 10°,25°,40° | 160023  | 160033 |
| 3W LED | 2700 K | 380 lm            | 10°,25°,40° | 160064  | 160074 |
| 3W LED | 3000 K | 380 lm            | 10°,25°,40° | 160061  | 160071 |
| 3W LED | 4000 K | 387 lm            | 10°,25°,40° | 160062  | 160072 |
| 3W LED | 6000 K | 395 lm            | 10°,25°,40° | 160063  | 160073 |

#### 7° Asymmetrical



| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 1W LED | 2700 K | 95 lm             | 10°,25°,40° | 160224  | 160234 |
| 1W LED | 3000 K | 95 lm             | 10°,25°,40° | 160221  | 160231 |
| 1W LED | 4000 K | 97 lm             | 10°,25°,40° | 160222  | 160232 |
| 1W LED | 6000 K | 99 lm             | 10°,25°,40° | 160223  | 160233 |
| 3W LED | 2700 K | 380 lm            | 10°,25°,40° | 160264  | 160274 |
| 3W LED | 3000 K | 380 lm            | 10°,25°,40° | 160261  | 160271 |
| 3W LED | 4000 K | 387 lm            | 10°,25°,40° | 160262  | 160272 |
| 3W LED | 6000 K | 395 lm            | 10°,25°,40° | 160263  | 160273 |

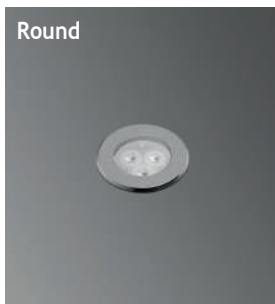


Honeycomb  
Code No: 953521

# PATNOS 2

## RECESSED WALK OVER FIXTURES

### Class I IP67 IK08



**POWER LED** (COB LED options available)

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

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

**CRI** : >80 or >90

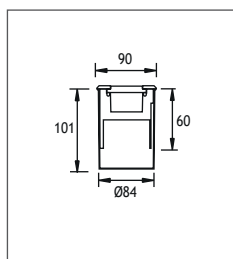
**Cable** : Potted 1 m 3x1 H03 VV-F

Single color LED options upon request are ;

Blue Amber Green Red

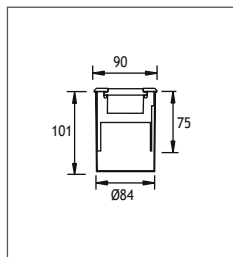
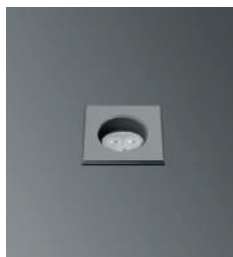
Fix to Recessing Tube with Silicone

#### Symmetrical



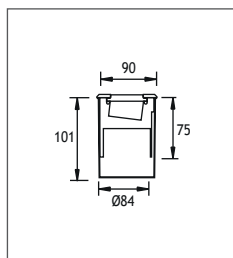
| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 3W LED | 2700 K | 285 lm            | 10°,25°,40° | 161004  | 161014 |
| 3W LED | 3000 K | 285 lm            | 10°,25°,40° | 161001  | 161011 |
| 3W LED | 4000 K | 290 lm            | 10°,25°,40° | 161002  | 161012 |
| 3W LED | 6000 K | 296 lm            | 10°,25°,40° | 161003  | 161013 |
| 9W LED | 2700 K | 855 lm            | 10°,25°,40° | 161044  | 161054 |
| 9W LED | 3000 K | 855 lm            | 10°,25°,40° | 161041  | 161051 |
| 9W LED | 4000 K | 872 lm            | 10°,25°,40° | 161042  | 161052 |
| 9W LED | 6000 K | 890 lm            | 10°,25°,40° | 161043  | 161053 |
| 9W LED | RGB    | 25°,40°           | 161081      | 161091  |        |

#### Symmetrical Deep

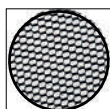


| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 3W LED | 2700 K | 285 lm            | 10°,25°,40° | 165001  | 165101 |
| 3W LED | 3000 K | 285 lm            | 10°,25°,40° | 165002  | 165102 |
| 3W LED | 4000 K | 290 lm            | 10°,25°,40° | 165003  | 165103 |
| 3W LED | 6000 K | 296 lm            | 10°,25°,40° | 165004  | 165104 |
| 9W LED | 2700 K | 855 lm            | 10°,25°,40° | 165011  | 165111 |
| 9W LED | 3000 K | 855 lm            | 10°,25°,40° | 165012  | 165112 |
| 9W LED | 4000 K | 872 lm            | 10°,25°,40° | 165013  | 165113 |
| 9W LED | 6000 K | 890 lm            | 10°,25°,40° | 165014  | 165114 |
| 9W LED | RGB    | 25°,40°           | 165015      | 165115  |        |

#### Wallwasher



| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 1W LED | 2700 K | 95 lm             | 10°,25°,40° | 161604  | 161614 |
| 1W LED | 3000 K | 95 lm             | 10°,25°,40° | 161601  | 161611 |
| 1W LED | 4000 K | 97 lm             | 10°,25°,40° | 161602  | 161612 |
| 1W LED | 6000 K | 99 lm             | 10°,25°,40° | 161603  | 161613 |
| 3W LED | 2700 K | 285 lm            | 10°,25°,40° | 161644  | 161654 |
| 3W LED | 3000 K | 285 lm            | 10°,25°,40° | 161641  | 161651 |
| 3W LED | 4000 K | 290 lm            | 10°,25°,40° | 161642  | 161652 |
| 3W LED | 6000 K | 296 lm            | 10°,25°,40° | 161643  | 161653 |

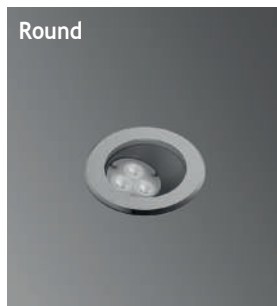


Honeycomb  
Code No: 953522

# PATNOS 2

## RECESSED WALK OVER FIXTURES

### Class I IP67 IK08



**POWER LED** (COB LED options available)

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

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

**CRI** : >80 or >90

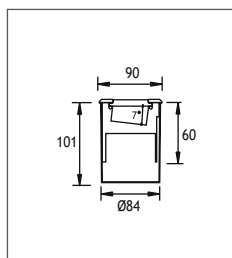
**Cable** : Potted 1 m 3x1 H03 VV-F

Single color LED options upon request are ;

Blue Amber Green Red

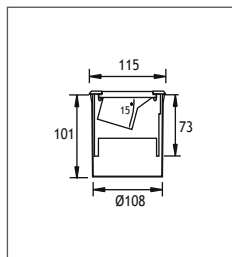
Fix to Recessing Tube with Silicone

#### 7° Asymmetrical



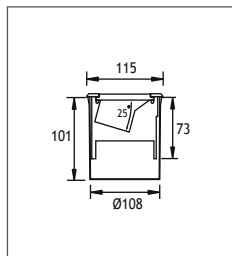
| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 3W LED | 2700 K | 285 lm            | 10°,25°,40° | 161204  | 161214 |
| 3W LED | 3000 K | 285 lm            | 10°,25°,40° | 161201  | 161211 |
| 3W LED | 4000 K | 290 lm            | 10°,25°,40° | 161202  | 161212 |
| 3W LED | 6000 K | 296 lm            | 10°,25°,40° | 161203  | 161213 |
| 9W LED | 2700 K | 855 lm            | 10°,25°,40° | 161244  | 161254 |
| 9W LED | 3000 K | 855 lm            | 10°,25°,40° | 161241  | 161251 |
| 9W LED | 4000 K | 872 lm            | 10°,25°,40° | 161242  | 161252 |
| 9W LED | 6000 K | 890 lm            | 10°,25°,40° | 161243  | 161253 |
| 9W LED | RGB    | Red, Green, Blue  | 25°,40°     | 161281  | 161291 |

#### 15° Asymmetrical

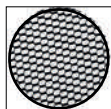


| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 3W LED | 2700 K | 285 lm            | 10°,25°,40° | 161324  | 161334 |
| 3W LED | 3000 K | 285 lm            | 10°,25°,40° | 161321  | 161331 |
| 3W LED | 4000 K | 290 lm            | 10°,25°,40° | 161322  | 161332 |
| 3W LED | 6000 K | 296 lm            | 10°,25°,40° | 161323  | 161333 |
| 9W LED | 2700 K | 855 lm            | 10°,25°,40° | 161364  | 161374 |
| 9W LED | 3000 K | 855 lm            | 10°,25°,40° | 161361  | 161371 |
| 9W LED | 4000 K | 872 lm            | 10°,25°,40° | 161362  | 161372 |
| 9W LED | 6000 K | 890 lm            | 10°,25°,40° | 161363  | 161373 |
| 9W LED | RGB    | Red, Green, Blue  | 25°,40°     | 161401  | 161411 |

#### 25° Asymmetrical



| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 3W LED | 2700 K | 285 lm            | 10°,25°,40° | 161444  | 161454 |
| 3W LED | 3000 K | 285 lm            | 10°,25°,40° | 161441  | 161451 |
| 3W LED | 4000 K | 290 lm            | 10°,25°,40° | 161442  | 161452 |
| 3W LED | 6000 K | 296 lm            | 10°,25°,40° | 161443  | 161453 |
| 9W LED | 2700 K | 855 lm            | 10°,25°,40° | 161484  | 161494 |
| 9W LED | 3000 K | 855 lm            | 10°,25°,40° | 161481  | 161491 |
| 9W LED | 4000 K | 872 lm            | 10°,25°,40° | 161482  | 161492 |
| 9W LED | 6000 K | 890 lm            | 10°,25°,40° | 161483  | 161493 |
| 9W LED | RGB    | Red, Green, Blue  | 25°,40°     | 161521  | 161531 |

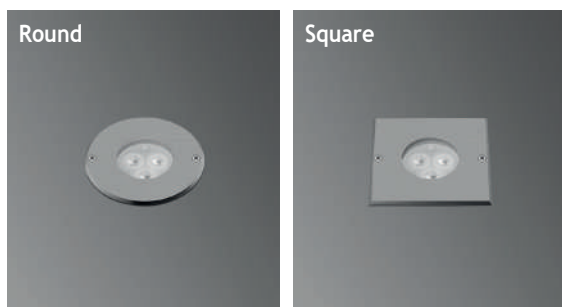


Honeycomb  
Code No: 953522

# PATNOS 2

## RECESSED WALK OVER FIXTURES

### Class I IP67 IK08



**POWER LED** (COB LED options available)

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

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

**CRI** : >80 or >90

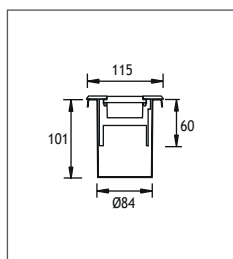
**Cable** : Potted 1 m 3x1 H03 VV-F

Single color LED options upon request are ;

Blue Amber Green Red

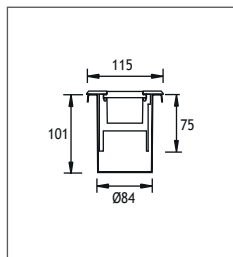
Fix to Recessing Tube with Screws

#### Symmetrical



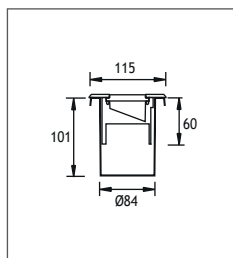
| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 3W LED | 2700 K | 285 lm            | 10°,25°,40° | 161024  | 161034 |
| 3W LED | 3000 K | 285 lm            | 10°,25°,40° | 161021  | 161031 |
| 3W LED | 4000 K | 290 lm            | 10°,25°,40° | 161022  | 161032 |
| 3W LED | 6000 K | 296 lm            | 10°,25°,40° | 161023  | 161033 |
| 9W LED | 2700 K | 855 lm            | 10°,25°,40° | 161064  | 161074 |
| 9W LED | 3000 K | 855 lm            | 10°,25°,40° | 161061  | 161071 |
| 9W LED | 4000 K | 872 lm            | 10°,25°,40° | 161062  | 161072 |
| 9W LED | 6000 K | 890 lm            | 10°,25°,40° | 161063  | 161073 |
| 9W LED | RGB    | Red, Green, Blue  | 25°,40°     | 161101  | 161111 |

#### Symmetrical Deep

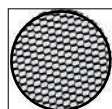


| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 3W LED | 2700 K | 285 lm            | 10°,25°,40° | 161701  | 161801 |
| 3W LED | 3000 K | 285 lm            | 10°,25°,40° | 161702  | 161802 |
| 3W LED | 4000 K | 290 lm            | 10°,25°,40° | 161703  | 161803 |
| 3W LED | 6000 K | 296 lm            | 10°,25°,40° | 161704  | 161804 |
| 9W LED | 2700 K | 855 lm            | 10°,25°,40° | 161711  | 161811 |
| 9W LED | 3000 K | 855 lm            | 10°,25°,40° | 161071  | 161812 |
| 9W LED | 4000 K | 872 lm            | 10°,25°,40° | 161072  | 161813 |
| 9W LED | 6000 K | 890 lm            | 10°,25°,40° | 161073  | 161814 |
| 9W LED | RGB    | Red, Green, Blue  | 25°,40°     | 161111  | 161815 |

#### Wallwasher



| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 1W LED | 2700 K | 95 lm             | 10°,25°,40° | 161624  | 161634 |
| 1W LED | 3000 K | 95 lm             | 10°,25°,40° | 161621  | 161631 |
| 1W LED | 4000 K | 97 lm             | 10°,25°,40° | 161622  | 161632 |
| 1W LED | 6000 K | 99 lm             | 10°,25°,40° | 161623  | 161633 |
| 3W LED | 2700 K | 285 lm            | 10°,25°,40° | 161664  | 161674 |
| 3W LED | 3000 K | 285 lm            | 10°,25°,40° | 161661  | 161671 |
| 3W LED | 4000 K | 290 lm            | 10°,25°,40° | 161662  | 161672 |
| 3W LED | 6000 K | 296 lm            | 10°,25°,40° | 161663  | 161673 |

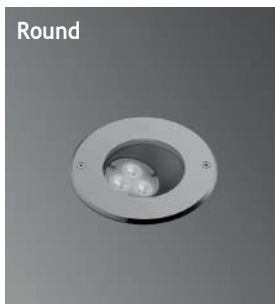


Honeycomb  
Code No: 953522

# PATNOS 2

## RECESSED WALK OVER FIXTURES

### Class I IP67 IK08



**POWER LED** (COB LED options available)

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

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

**CRI** : >80 or >90

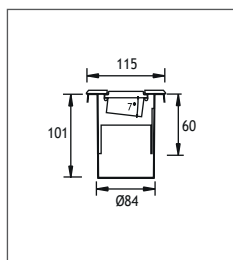
**Cable** : Potted 1 m 3x1 H03 VV-F

Single color LED options upon request are ;

Blue Amber Green Red

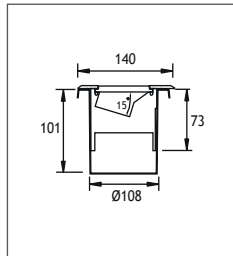
Fix to Recessing Tube with Screws

#### 7° Asymmetrical



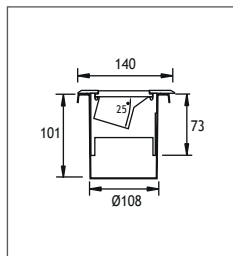
| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 3W LED | 2700 K | 285 lm            | 10°,25°,40° | 161224  | 161234 |
| 3W LED | 3000 K | 285 lm            | 10°,25°,40° | 161221  | 161231 |
| 3W LED | 4000 K | 290 lm            | 10°,25°,40° | 161222  | 161232 |
| 3W LED | 6000 K | 296 lm            | 10°,25°,40° | 161223  | 161233 |
| 9W LED | 2700 K | 855 lm            | 10°,25°,40° | 161264  | 161274 |
| 9W LED | 3000 K | 855 lm            | 10°,25°,40° | 161261  | 161271 |
| 9W LED | 4000 K | 872 lm            | 10°,25°,40° | 161262  | 161272 |
| 9W LED | 6000 K | 890 lm            | 10°,25°,40° | 161263  | 161273 |
| 9W LED | RGB    | Red, Green, Blue  | 25°,40°     | 161301  | 161311 |

#### 15° Asymmetrical

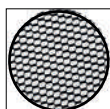


| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 3W LED | 2700 K | 285 lm            | 10°,25°,40° | 161344  | 161354 |
| 3W LED | 3000 K | 285 lm            | 10°,25°,40° | 161341  | 161351 |
| 3W LED | 4000 K | 290 lm            | 10°,25°,40° | 161342  | 161352 |
| 3W LED | 6000 K | 296 lm            | 10°,25°,40° | 161343  | 161353 |
| 9W LED | 2700 K | 855 lm            | 10°,25°,40° | 161384  | 161394 |
| 9W LED | 3000 K | 855 lm            | 10°,25°,40° | 161381  | 161391 |
| 9W LED | 4000 K | 872 lm            | 10°,25°,40° | 161382  | 161392 |
| 9W LED | 6000 K | 890 lm            | 10°,25°,40° | 161383  | 161393 |
| 9W LED | RGB    | Red, Green, Blue  | 25°,40°     | 161421  | 161431 |

#### 25° Asymmetrical



| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 3W LED | 2700 K | 285 lm            | 10°,25°,40° | 161464  | 161474 |
| 3W LED | 3000 K | 285 lm            | 10°,25°,40° | 161461  | 161471 |
| 3W LED | 4000 K | 290 lm            | 10°,25°,40° | 161462  | 161472 |
| 3W LED | 6000 K | 296 lm            | 10°,25°,40° | 161463  | 161473 |
| 9W LED | 2700 K | 855 lm            | 10°,25°,40° | 161504  | 161514 |
| 9W LED | 3000 K | 855 lm            | 10°,25°,40° | 161501  | 161511 |
| 9W LED | 4000 K | 872 lm            | 10°,25°,40° | 161502  | 161512 |
| 9W LED | 6000 K | 890 lm            | 10°,25°,40° | 161503  | 161513 |
| 9W LED | RGB    | Red, Green, Blue  | 25°,40°     | 161541  | 161551 |



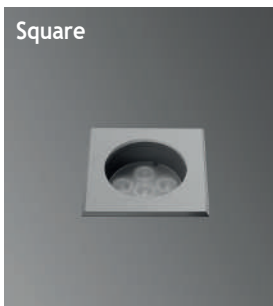
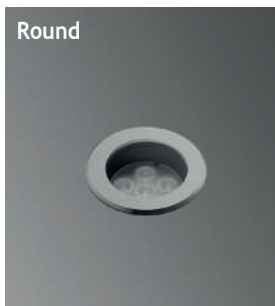
Honeycomb  
Code No: 953522



# PATNOS 3

## RECESSED WALK OVER FIXTURES

### Class I IP67 IK08



**POWER LED** (COB LED options available)

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

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

**CRI** : >80 or >90

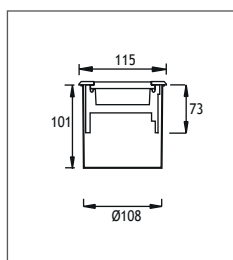
**Cable** : Potted 1 m 3x1 H03 VV-F

Single color LED options upon request are ;

Blue Amber Green Red

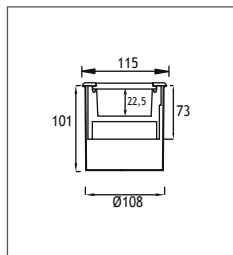
Fix to Recessing Tube with Silicone

#### Symmetrical



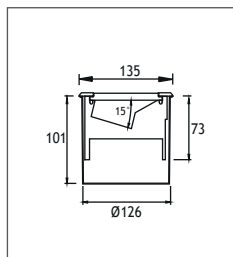
| Power   | Kelvin | Real Lumen Output | Lens        | Code No Round | Code No Square |
|---------|--------|-------------------|-------------|---------------|----------------|
| 6W LED  | 2700 K | 570 lm            | 10°,25°,40° | 162004        | 162014         |
| 6W LED  | 3000 K | 570 lm            | 10°,25°,40° | 162001        | 162011         |
| 6W LED  | 4000 K | 581 lm            | 10°,25°,40° | 162002        | 162012         |
| 6W LED  | 6000 K | 593 lm            | 10°,25°,40° | 162003        | 162013         |
| 18W LED | RGB    | Red, Green, Blue  | 25°,40°     | 162041        | 162051         |

#### Symmetrical Deep



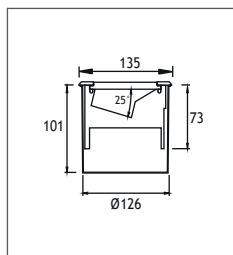
| Power   | Kelvin | Real Lumen Output | Lens        | Code No Round | Code No Square |
|---------|--------|-------------------|-------------|---------------|----------------|
| 6W LED  | 2700 K | 570 lm            | 10°,25°,40° | 162404        | 162414         |
| 6W LED  | 3000 K | 570 lm            | 10°,25°,40° | 162401        | 162411         |
| 6W LED  | 4000 K | 581 lm            | 10°,25°,40° | 162402        | 162412         |
| 6W LED  | 6000 K | 593 lm            | 10°,25°,40° | 162403        | 162413         |
| 18W LED | RGB    | Red, Green, Blue  | 25°,40°     | 162501        | 162511         |

#### 15° Asymmetrical

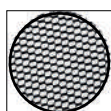


| Power   | Kelvin | Real Lumen Output | Lens        | Code No Round | Code No Square |
|---------|--------|-------------------|-------------|---------------|----------------|
| 6W LED  | 2700 K | 570 lm            | 10°,25°,40° | 162204        | 162214         |
| 6W LED  | 3000 K | 570 lm            | 10°,25°,40° | 162201        | 162211         |
| 6W LED  | 4000 K | 581 lm            | 10°,25°,40° | 162202        | 162212         |
| 6W LED  | 6000 K | 593 lm            | 10°,25°,40° | 162203        | 162213         |
| 18W LED | RGB    | Red, Green, Blue  | 25°,40°     | 162511        | 162251         |

#### 25° Asymmetrical



| Power   | Kelvin | Real Lumen Output | Lens        | Code No Round | Code No Square |
|---------|--------|-------------------|-------------|---------------|----------------|
| 6W LED  | 2700 K | 570 lm            | 10°,25°,40° | 162284        | 162294         |
| 6W LED  | 3000 K | 570 lm            | 10°,25°,40° | 162281        | 162291         |
| 6W LED  | 4000 K | 581 lm            | 10°,25°,40° | 162282        | 162292         |
| 6W LED  | 6000 K | 593 lm            | 10°,25°,40° | 162283        | 162293         |
| 18W LED | RGB    | Red, Green, Blue  | 25°,40°     | 162321        | 162331         |

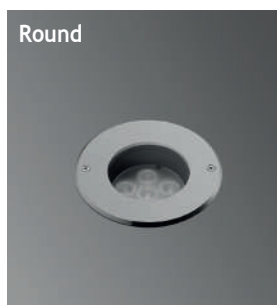


Honeycomb  
Code No: 953523

# PATNOS 3

## RECESSED WALK OVER FIXTURES

### Class I IP67 IK08



**POWER LED** (COB LED options available)

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

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

**CRI** : >80 or >90

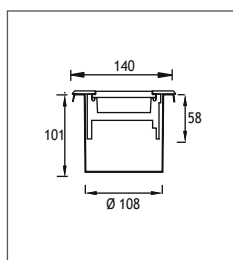
**Cable** : Potted 1 m 3x1 H03 VV-F

Single color LED options upon request are ;

Blue Amber Green Red

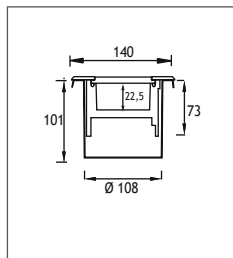
Fix to Recessing Tube with Screws

#### Symmetrical



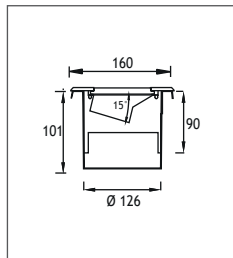
| Power   | Kelvin | Real Lumen Output | Lens        | Code No Round | Code No Square |
|---------|--------|-------------------|-------------|---------------|----------------|
| 6W LED  | 2700 K | 570 lm            | 10°,25°,40° | 162024        | 162034         |
| 6W LED  | 3000 K | 570 lm            | 10°,25°,40° | 162021        | 162031         |
| 6W LED  | 4000 K | 581 lm            | 10°,25°,40° | 162022        | 162032         |
| 6W LED  | 6000 K | 593 lm            | 10°,25°,40° | 162023        | 162033         |
| 18W LED | RGB    | Red, Green, Blue  | 25°,40°     | 162061        | 162071         |

#### Symmetrical Deep



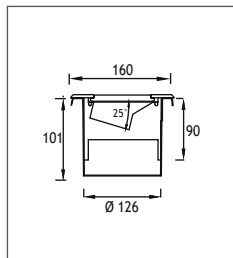
| Power   | Kelvin | Real Lumen Output | Lens        | Code No Round | Code No Square |
|---------|--------|-------------------|-------------|---------------|----------------|
| 6W LED  | 2700 K | 570 lm            | 10°,25°,40° | 162424        | 162434         |
| 6W LED  | 3000 K | 570 lm            | 10°,25°,40° | 162421        | 162431         |
| 6W LED  | 4000 K | 581 lm            | 10°,25°,40° | 162422        | 162432         |
| 6W LED  | 6000 K | 593 lm            | 10°,25°,40° | 162423        | 162433         |
| 18W LED | RGB    | Red, Green, Blue  | 25°,40°     | 162601        | 162611         |

#### 15° Asymmetrical

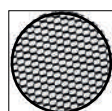


| Power   | Kelvin | Real Lumen Output | Lens        | Code No Round | Code No Square |
|---------|--------|-------------------|-------------|---------------|----------------|
| 6W LED  | 2700 K | 570 lm            | 10°,25°,40° | 162224        | 162234         |
| 6W LED  | 3000 K | 570 lm            | 10°,25°,40° | 162221        | 162231         |
| 6W LED  | 4000 K | 581 lm            | 10°,25°,40° | 162222        | 162232         |
| 6W LED  | 6000 K | 593 lm            | 10°,25°,40° | 162223        | 162233         |
| 18W LED | RGB    | Red, Green, Blue  | 25°,40°     | 162261        | 162271         |

#### 25° Asymmetrical



| Power   | Kelvin | Real Lumen Output | Lens        | Code No Round | Code No Square |
|---------|--------|-------------------|-------------|---------------|----------------|
| 6W LED  | 2700 K | 570 lm            | 10°,25°,40° | 162304        | 162314         |
| 6W LED  | 3000 K | 570 lm            | 10°,25°,40° | 162301        | 162311         |
| 6W LED  | 4000 K | 581 lm            | 10°,25°,40° | 162302        | 162312         |
| 6W LED  | 6000 K | 593 lm            | 10°,25°,40° | 162303        | 162313         |
| 18W LED | RGB    | Red, Green, Blue  | 25°,40°     | 162341        | 162351         |



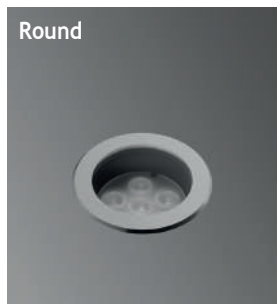
Honeycomb  
Code No: 953523



# PATNOS 4

## RECESSED WALK OVER FIXTURES

### Class I IP67 IK08



#### POWER LED or COB LED

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

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

**CRI** : >80 or >90

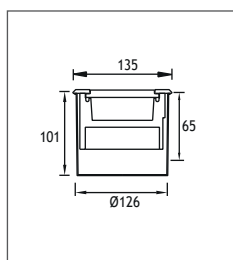
**Cable** : Potted 1 m 3x1 H03 VV-F

Single color LED options upon request are ;

Blue Amber Green Red

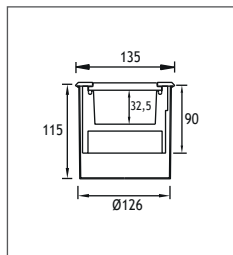
Fix to Recessing Tube with Silicone

#### Symmetrical



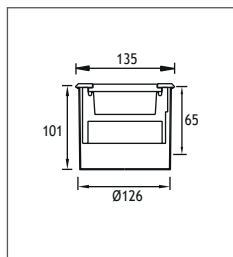
| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 9W LED | 2700 K | 855 lm            | 10°,25°,40° | 163004  | 163014 |
| 9W LED | 3000 K | 855 lm            | 10°,25°,40° | 163001  | 163011 |
| 9W LED | 4000 K | 872 lm            | 10°,25°,40° | 163002  | 163012 |
| 9W LED | 6000 K | 890 lm            | 10°,25°,40° | 163003  | 163013 |

#### Symmetrical Deep



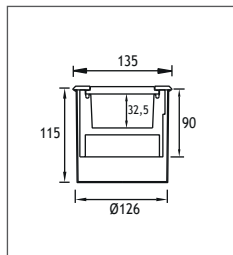
| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 9W LED | 2700 K | 855 lm            | 10°,25°,40° | 163104  | 163114 |
| 9W LED | 3000 K | 855 lm            | 10°,25°,40° | 163101  | 163111 |
| 9W LED | 4000 K | 872 lm            | 10°,25°,40° | 163102  | 163112 |
| 9W LED | 6000 K | 890 lm            | 10°,25°,40° | 163103  | 163113 |

#### Symmetrical

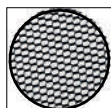


| Power       | Kelvin | Real Lumen Output | Lens        | Code No |        |
|-------------|--------|-------------------|-------------|---------|--------|
|             |        |                   |             | Round   | Square |
| 18W COB LED | 2700 K | 1710 lm           | 10°,20°,30° | 163201  | 163211 |
| 18W COB LED | 3000 K | 1710 lm           | 10°,20°,30° | 163202  | 163212 |
| 18W COB LED | 4000 K | 1744 lm           | 10°,20°,30° | 163203  | 163213 |
| 18W COB LED | 6000 K | 1779 lm           | 10°,20°,30° | 163204  | 163214 |

#### Symmetrical Deep



| Power       | Kelvin | Real Lumen Output | Lens    | Code No |        |
|-------------|--------|-------------------|---------|---------|--------|
|             |        |                   |         | Round   | Square |
| 13W COB LED | 2700 K | 1235 lm           | 24°,38° | 163143  | 163153 |
| 13W COB LED | 3000 K | 1235 lm           | 24°,38° | 163141  | 163151 |
| 13W COB LED | 4000 K | 1259 lm           | 24°,38° | 163142  | 163152 |
| 13W COB LED | 6000 K | 1259 lm           | 24°,38° | 163144  | 163154 |

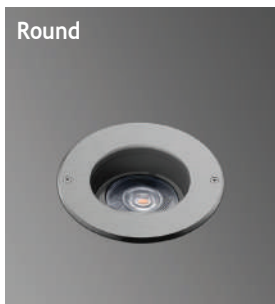


Honeycomb  
Code No: 953524

# PATNOS 4

## RECESSED WALK OVER FIXTURES

### Class I IP67 IK08



Round



Square

#### POWER LED or COB LED

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

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

**CRI** : >80 or >90

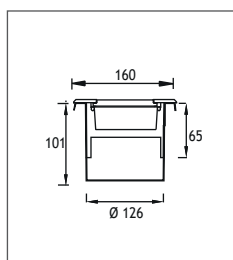
**Cable** : Potted 1 m 3x1 H03 VV-F

Single color LED options upon request are ;

Blue Amber Green Red

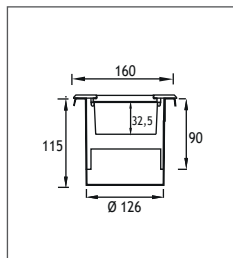
Fix to Recessing Tube with Silicone

#### Symmetrical



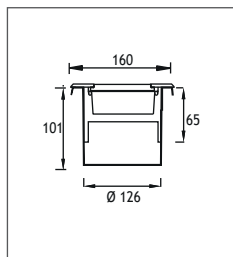
| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 9W LED | 2700 K | 855 lm            | 10°,25°,40° | 163024  | 163034 |
| 9W LED | 3000 K | 855 lm            | 10°,25°,40° | 163021  | 163031 |
| 9W LED | 4000 K | 872 lm            | 10°,25°,40° | 163022  | 163032 |
| 9W LED | 6000 K | 890 lm            | 10°,25°,40° | 163023  | 163033 |

#### Symmetrical Deep



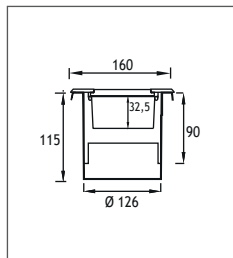
| Power  | Kelvin | Real Lumen Output | Lens        | Code No |        |
|--------|--------|-------------------|-------------|---------|--------|
|        |        |                   |             | Round   | Square |
| 9W LED | 2700 K | 855 lm            | 10°,25°,40° | 163124  | 163134 |
| 9W LED | 3000 K | 855 lm            | 10°,25°,40° | 163121  | 163131 |
| 9W LED | 4000 K | 872 lm            | 10°,25°,40° | 163122  | 163132 |
| 9W LED | 6000 K | 890 lm            | 10°,25°,40° | 163123  | 163133 |

#### Symmetrical

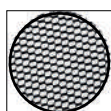


| Power       | Kelvin | Real Lumen Output | Lens        | Code No |        |
|-------------|--------|-------------------|-------------|---------|--------|
|             |        |                   |             | Round   | Square |
| 18W COB LED | 2700 K | 1710 lm           | 10°,20°,30° | 163301  | 163311 |
| 18W COB LED | 3000 K | 1710 lm           | 10°,20°,30° | 163302  | 163312 |
| 18W COB LED | 4000 K | 1744 lm           | 10°,20°,30° | 163303  | 163313 |
| 18W COB LED | 6000 K | 1779 lm           | 10°,20°,30° | 163304  | 163314 |

#### Symmetrical Deep



| Power       | Kelvin | Real Lumen Output | Lens    | Code No |        |
|-------------|--------|-------------------|---------|---------|--------|
|             |        |                   |         | Round   | Square |
| 13W COB LED | 2700 K | 1235 lm           | 24°,38° | 163163  | 163173 |
| 13W COB LED | 3000 K | 1235 lm           | 24°,38° | 163161  | 163171 |
| 13W COB LED | 4000 K | 1259 lm           | 24°,38° | 163162  | 163172 |
| 13W COB LED | 6000 K | 1259 lm           | 24°,38° | 163164  | 163174 |



Honeycomb  
Code No: 953524



# PATNOS 5

## RECESSED WALK OVER FIXTURES

### Class I IP67 IK08



**POWER LED** (COB LED options available)

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

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

**CRI** : >80 or >90

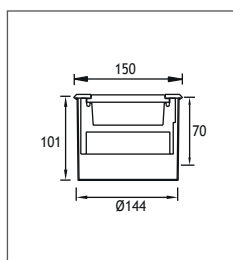
**Cable** : Potted 1 m 3x1 H03 VV-F

Single color LED options upon request are ;

Blue Amber Green Red

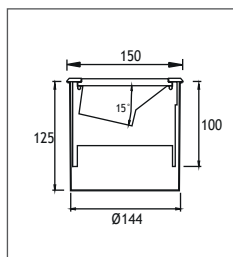
Fix to Recessing Tube with Silicone

#### Symmetrical



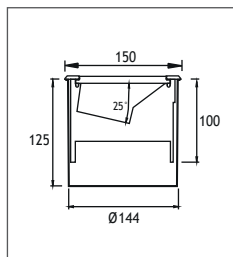
| Power   | Kelvin | Real Lumen Output | Lens        | Code No Round | Code No Square |
|---------|--------|-------------------|-------------|---------------|----------------|
| 27W LED | 2700 K | 2560 lm           | 10°,25°,40° | 164044        | 164054         |
| 27W LED | 3000 K | 2560 lm           | 10°,25°,40° | 164041        | 164051         |
| 27W LED | 4000 K | 2610 lm           | 10°,25°,40° | 164042        | 164052         |
| 27W LED | 6000 K | 2670 lm           | 10°,25°,40° | 164043        | 164053         |
| 27W LED | RGB    |                   | 25°,40°     | 164081        | 164091         |

#### 15° Asymmetrical



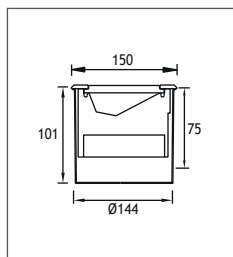
| Power   | Kelvin | Real Lumen Output | Lens        | Code No Round | Code No Square |
|---------|--------|-------------------|-------------|---------------|----------------|
| 27W LED | 2700 K | 2560 lm           | 10°,25°,40° | 164704        | 164714         |
| 27W LED | 3000 K | 2560 lm           | 10°,25°,40° | 164701        | 164711         |
| 27W LED | 4000 K | 2610 lm           | 10°,25°,40° | 164702        | 164712         |
| 27W LED | 6000 K | 2670 lm           | 10°,25°,40° | 164703        | 164713         |
| 27W LED | RGB    |                   | 25°,40°     | 164241        | 164251         |

#### 25° Asymmetrical

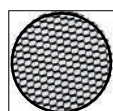


| Power   | Kelvin | Real Lumen Output | Lens        | Code No Round | Code No Square |
|---------|--------|-------------------|-------------|---------------|----------------|
| 27W LED | 2700 K | 2560 lm           | 10°,25°,40° | 164744        | 164754         |
| 27W LED | 3000 K | 2560 lm           | 10°,25°,40° | 164741        | 164751         |
| 27W LED | 4000 K | 2610 lm           | 10°,25°,40° | 164742        | 164752         |
| 27W LED | 6000 K | 2670 lm           | 10°,25°,40° | 164743        | 164753         |
| 27W LED | RGB    |                   | 25°,40°     | 164321        | 164331         |

#### Wallwasher



| Power       | Kelvin | Real Lumen Output | Reflector    | Code No Round | Code No Square |
|-------------|--------|-------------------|--------------|---------------|----------------|
| 13W COB LED | 2700 K | 1235 lm           | Asymmetrical | 164804        | 164814         |
| 13W COB LED | 3000 K | 1235 lm           | Asymmetrical | 164801        | 164811         |
| 13W COB LED | 4000 K | 1259 lm           | Asymmetrical | 164802        | 164812         |
| 13W COB LED | 6000 K | 1284 lm           | Asymmetrical | 164803        | 164813         |



Honeycomb  
Code No: 953525

# PATNOS 5

## RECESSED WALK OVER FIXTURES

### Class I IP67 IK08



Round



Square

**POWER LED** (COB LED options available)

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

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

**CRI** : >80 or >90

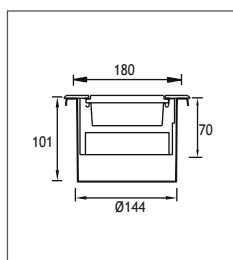
**Cable** : Potted 1 m 3x1 H03 VV-F

Single color LED options upon request are ;

Blue Amber Green Red

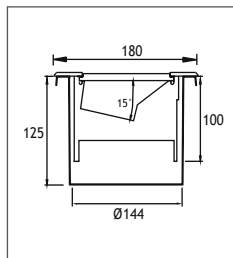
Fix to Recessing Tube with Screws

#### Symmetrical



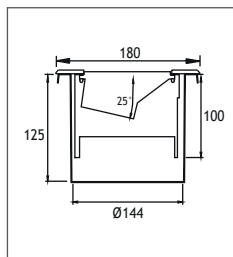
| Power   | Kelvin | Real Lumen Output | Lens        | Code No Round | Code No Square |
|---------|--------|-------------------|-------------|---------------|----------------|
| 27W LED | 2700 K | 2560 lm           | 10°,25°,40° | 164064        | 164074         |
| 27W LED | 3000 K | 2560 lm           | 10°,25°,40° | 164061        | 164071         |
| 27W LED | 4000 K | 2610 lm           | 10°,25°,40° | 164062        | 164072         |
| 27W LED | 6000 K | 2670 lm           | 10°,25°,40° | 164063        | 164073         |
| 27W LED | RGB    |                   | 25°,40°     | 164101        | 164111         |

#### 15° Asymmetrical



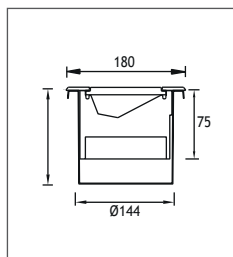
| Power   | Kelvin | Real Lumen Output | Lens        | Code No Round | Code No Square |
|---------|--------|-------------------|-------------|---------------|----------------|
| 27W LED | 2700 K | 2560 lm           | 10°,25°,40° | 164724        | 164734         |
| 27W LED | 3000 K | 2560 lm           | 10°,25°,40° | 164721        | 164731         |
| 27W LED | 4000 K | 2610 lm           | 10°,25°,40° | 164722        | 164732         |
| 27W LED | 6000 K | 2670 lm           | 10°,25°,40° | 164723        | 164733         |
| 27W LED | RGB    |                   | 25°,40°     | 164261        | 164271         |

#### 25° Asymmetrical

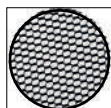


| Power   | Kelvin | Real Lumen Output | Lens        | Code No Round | Code No Square |
|---------|--------|-------------------|-------------|---------------|----------------|
| 27W LED | 2700 K | 2560 lm           | 10°,25°,40° | 164764        | 164774         |
| 27W LED | 3000 K | 2560 lm           | 10°,25°,40° | 164761        | 164771         |
| 27W LED | 4000 K | 2610 lm           | 10°,25°,40° | 164762        | 164772         |
| 27W LED | 6000 K | 2670 lm           | 10°,25°,40° | 164763        | 164773         |
| 27W LED | RGB    |                   | 25°,40°     | 164341        | 164351         |

#### Wallwasher



| Power       | Kelvin | Real Lumen Output | Reflector    | Code No Round | Code No Square |
|-------------|--------|-------------------|--------------|---------------|----------------|
| 13W COB LED | 2700 K | 1235 lm           | Asymmetrical | 164824        | 164834         |
| 13W COB LED | 3000 K | 1235 lm           | Asymmetrical | 164821        | 164831         |
| 13W COB LED | 4000 K | 1259 lm           | Asymmetrical | 164822        | 164832         |
| 13W COB LED | 6000 K | 1284 lm           | Asymmetrical | 164823        | 164833         |



Honeycomb  
Code No: 953525

# GORDION

## RECESSED LED FIXTURES

Load 5 kN | Class I IP67 IK08

The Gordion series is an adaption of the Belkis Recessed series without the stainless steel cover. Merely a painted glass finishes the look of the fixture. Once placed inside the stainless steel tube, the fixture can only be removed with a special tool. The Gordion series is designed to light walls, facades, columns, monuments, and trees. The fixtures are made of die cast aluminium body painted with electrostatic powder paint. Tempered glass, silicone gaskets and cast resin complete the fixture to make it IP67 IK10 and withstand rough environments. A specially developed potted power cable is used to effectively bond with the cast resin and stop any water ingress. 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

### Recessing Tube

316L Stainless steel

### Gaskets

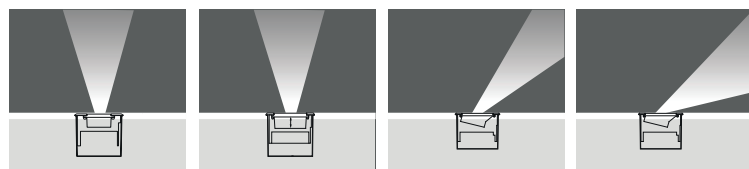
Silicone

### Diffusers

Tempered Glass with painted circumference

### “Customization” is EMFA’s standard

EMFA offers many combinations for each fixture, as all fixtures are made in house. A combination of 2 finishes of stainless steel, 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.

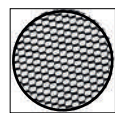


Symmetrical

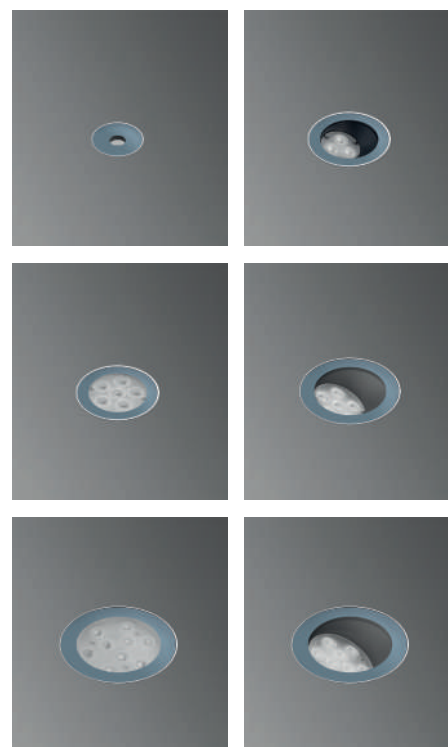
Symmetrical Deep

15° Asymmetrical

25° Asymmetrical



Honeycomb

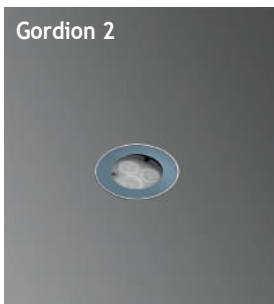


### LEDs

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.



### POWER LED (COB LED options available)

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

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

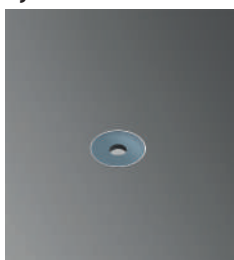
**CRI** : >80 or >90

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

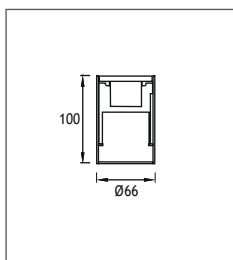
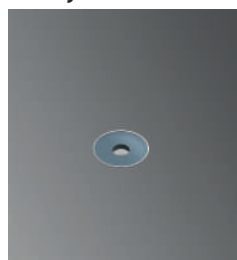
Single color LED options upon request are ;

Blue Amber Green Red

### Gordion 1 Symmetrical

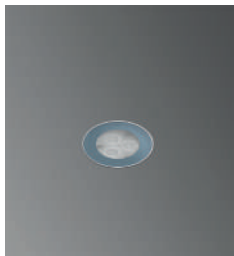


### 7° Asymmetrical

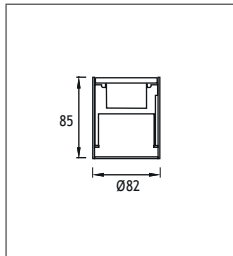


| Power  | Kelvin | Real Lumen Output | Lens        | Code No     |                 |
|--------|--------|-------------------|-------------|-------------|-----------------|
|        |        |                   |             | Symmetrical | 7° Asymmetrical |
| 1W LED | 2700 K | 95 lm             | 10°,25°,40° | 170004      | 170014          |
| 1W LED | 3000 K | 95 lm             | 10°,25°,40° | 170001      | 170011          |
| 1W LED | 4000 K | 97 lm             | 10°,25°,40° | 170002      | 170012          |
| 1W LED | 6000 K | 99 lm             | 10°,25°,40° | 170003      | 170013          |

### Gordion 2 Symmetrical



### 7° Asymmetrical

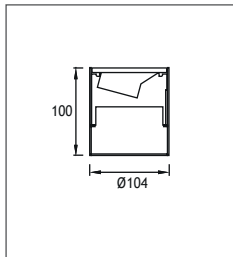


| Power  | Kelvin | Real Lumen Output | Lens        | Code No     |                 |
|--------|--------|-------------------|-------------|-------------|-----------------|
|        |        |                   |             | Symmetrical | 7° Asymmetrical |
| 3W LED | 2700 K | 285 lm            | 10°,25°,40° | 170104      | 170114          |
| 3W LED | 3000 K | 285 lm            | 10°,25°,40° | 170101      | 170111          |
| 3W LED | 4000 K | 290 lm            | 10°,25°,40° | 170102      | 170112          |
| 3W LED | 6000 K | 296 lm            | 10°,25°,40° | 170103      | 170113          |

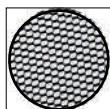
### Gordion 2 15° Asymmetrical



### 25° Asymmetrical



| Power  | Kelvin | Real Lumen Output | Lens        | Code No     |                 |
|--------|--------|-------------------|-------------|-------------|-----------------|
|        |        |                   |             | Symmetrical | 7° Asymmetrical |
| 9W LED | 2700 K | 855 lm            | 10°,25°,40° | 170144      | 170154          |
| 9W LED | 3000 K | 855 lm            | 10°,25°,40° | 170141      | 170151          |
| 9W LED | 4000 K | 872 lm            | 10°,25°,40° | 170142      | 170152          |
| 9W LED | 6000 K | 890 lm            | 10°,25°,40° | 170143      | 170153          |



Honeycomb  
Gordion 1: 953521  
Gordion 2: 953522



### POWER LED (COB LED options available)

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

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

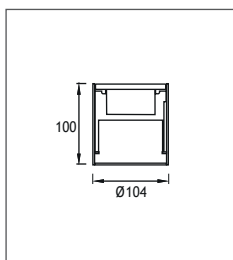
**CRI** : >80 or >90

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

Single color LED options upon request are ;

Blue Amber Green Red

### Gordion 3 Symmetrical

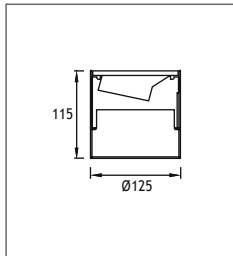


| Power  | Kelvin | Real Lumen Output | Lens        | Code No Symmetrical |
|--------|--------|-------------------|-------------|---------------------|
| 6W LED | 2700 K | 570 lm            | 10°,25°,40° | 170204              |
| 6W LED | 3000 K | 570 lm            | 10°,25°,40° | 170201              |
| 6W LED | 4000 K | 581 lm            | 10°,25°,40° | 170202              |
| 6W LED | 6000 K | 593 lm            | 10°,25°,40° | 170203              |

### Gordion 3 15° Asymmetrical

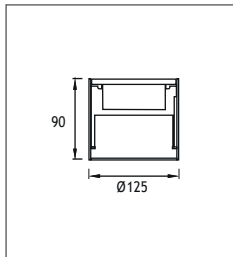


### 25° Asymmetrical

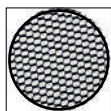


| Power  | Kelvin | Real Lumen Output | Lens        | Code No 15° Asymmetrical | Code No 25° Asymmetrical |
|--------|--------|-------------------|-------------|--------------------------|--------------------------|
| 6W LED | 2700 K | 570 lm            | 10°,25°,40° | 170214                   | 170224                   |
| 6W LED | 3000 K | 570 lm            | 10°,25°,40° | 170211                   | 170221                   |
| 6W LED | 4000 K | 581 lm            | 10°,25°,40° | 170212                   | 170222                   |
| 6W LED | 6000 K | 593 lm            | 10°,25°,40° | 170213                   | 170223                   |

### Gordion 4 Symmetrical



| Power  | Kelvin | Real Lumen Output | Lens        | Code No Symmetrical |
|--------|--------|-------------------|-------------|---------------------|
| 9W LED | 2700 K | 855 lm            | 10°,25°,40° | 170304              |
| 9W LED | 3000 K | 855 lm            | 10°,25°,40° | 170301              |
| 9W LED | 4000 K | 872 lm            | 10°,25°,40° | 170302              |
| 9W LED | 6000 K | 890 lm            | 10°,25°,40° | 170303              |



Honeycomb  
Gordion 3: 953523  
Gordion 4: 953524

# GORDION

## RECESSED LED FIXTURES Load 5 kN | Class I IP67 IK08



**POWER LED** (COB LED options available)

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

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

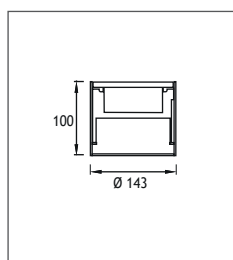
**CRI** : >80 or >90

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

Single color LED options upon request are ;

Blue Amber Green Red

**Gordion 5**  
**Symmetrical**

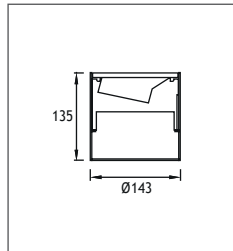


| Power  | Kelvin | Real Lumen Output | Lens        | Code No     |  |
|--------|--------|-------------------|-------------|-------------|--|
|        |        |                   |             | Symmetrical |  |
| 9W LED | 2700 K | 95 lm             | 10°,25°,40° | 170404      |  |
| 9W LED | 3000 K | 95 lm             | 10°,25°,40° | 170401      |  |
| 9W LED | 4000 K | 97 lm             | 10°,25°,40° | 170402      |  |
| 9W LED | 6000 K | 99 lm             | 10°,25°,40° | 170403      |  |

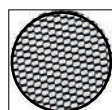
**Gordion 5**  
**15° Asymmetrical**



**25° Asymmetrical**



| Power  | Kelvin | Real Lumen Output | Lens        | Code No          |                  |
|--------|--------|-------------------|-------------|------------------|------------------|
|        |        |                   |             | 15° Asymmetrical | 25° Asymmetrical |
| 9W LED | 2700 K | 855 lm            | 10°,25°,40° | 170414           | 170424           |
| 9W LED | 3000 K | 855 lm            | 10°,25°,40° | 170411           | 170421           |
| 9W LED | 4000 K | 872 lm            | 10°,25°,40° | 170412           | 170422           |
| 9W LED | 6000 K | 890 lm            | 10°,25°,40° | 170413           | 170423           |



**Honeycomb**  
Code No: 953525