

Beam F36 Tunable White

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The Beam luminaires deliver precision architectural lighting with exceptional versatility for accent, façade, grazing, and decorative applications. Perfect for illuminating façades, landmarks, parks, and landscapes with high lumen output, efficiency, and long-term reliability.

The Beam F36 Tunable white is perfect for a dynamic lighting scheme with High-quality white light. They come with environmental protection including a coastal proof rating. With beam angles from 15° to 60° and asymmetric distributions, it provides precise optical control for diverse lighting applications.

- High-Frequency LED Drive - 16kHz flicker-free operation for broadcast and film-safe applications
- Asymmetric Beam Architecture - Specialized oval distributions for precise architectural washing and grazing effects



CE

RoHS

IP67

IK08

Specifications

| General                 |                         |
|-------------------------|-------------------------|
| Power Consumption (W)   | 36                      |
| Input Voltage (V DC)    | 48                      |
| LEDs (/pc)              | 18                      |
| Pixels (/pc)            | 1                       |
| Flicker Frequency (kHz) | 16                      |
| LED Type                | 2in1                    |
| Channels (/pc)          | 3                       |
| Color Range             | Tunable White           |
| CRI                     | ≥80 (Custom on request) |
| Control                 | DMX(RDM)/PxLNet         |
| Dimming                 | 16 Bit                  |

| Installation Conditions & Lighting Data |                        |        |
|-----------------------------------------|------------------------|--------|
| Maximum Run Length (pcs)                | 10                     |        |
| Delivered Lumen Full White (lm)         | 3177 (1800K-6000K 45°) |        |
| Maximum Data Run Length DMX(RDM) (pcs)  | @45fps                 | 85     |
| Maximum Data Run Length PxLNet (pcs)    | @40fps                 | 680    |
|                                         | @60fps                 | 340    |
| Lumen Maintenance Calculated Hours (h)  | L80B10                 | 50,000 |

| Operating                   |            |
|-----------------------------|------------|
| Environment                 | Outdoor    |
| Storage Temperature (°C)    | -40 to +90 |
| Working Temperature (°C)    | -30 to +85 |
| Saltwater Resistant         | Yes        |
| Coastal Environmental Proof | Yes        |
| UV Resistant                | Yes        |
| Flame Resistant             | Yes        |
| IK Rating                   | IK08       |
| IP Rating                   | IP67       |
| Certification               | CE, RoHS   |
| Limited Warranty            | 5 Years    |

| Physical              |                                  |
|-----------------------|----------------------------------|
| Housing Material      | Aluminium (ADC12)                |
| Cover Material        | Tempered Glass                   |
| Connector Material    | Nylon (PA66)                     |
| Housing Color         | Grey RAL7047 (Custom on request) |
| Cable Material        | PCP                              |
| Cable Color           | Black                            |
| Connector Type        | M16 5Pin                         |
| Weight (kg/pc)        | 2,55                             |
| Dimensions WxHxD (mm) | 206 x 180 x 210                  |

Options

| Color/CCT                            |
|--------------------------------------|
| <input type="checkbox"/> 1800K-6000K |
| <input type="checkbox"/> 2700K-6000K |

| Optics                                        |
|-----------------------------------------------|
| <input type="checkbox"/> 15°                  |
| <input type="checkbox"/> 25°                  |
| <input type="checkbox"/> 45°                  |
| <input type="checkbox"/> 60°                  |
| <input type="checkbox"/> 20°x40° <sup>1</sup> |

<sup>1</sup> Both Horizontal and Vertical alignment available

| Control                            |
|------------------------------------|
| <input type="checkbox"/> DMX (RDM) |
| <input type="checkbox"/> PxLNet    |

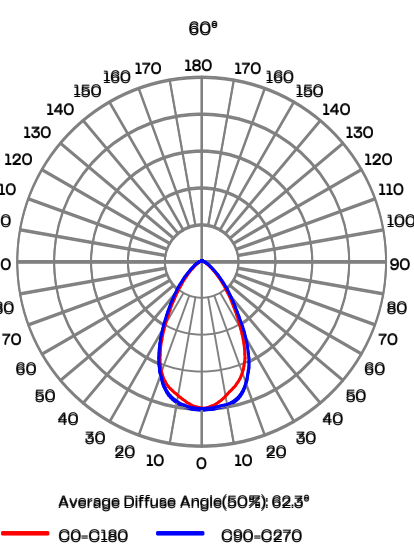
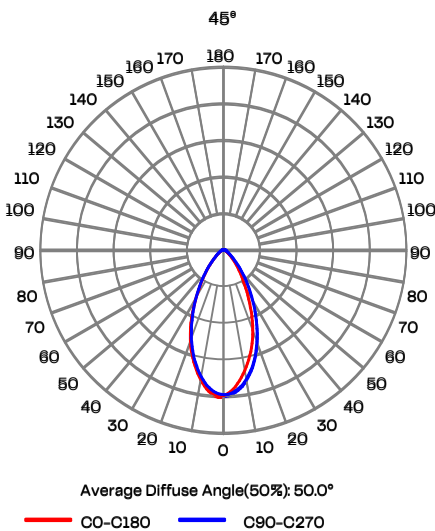
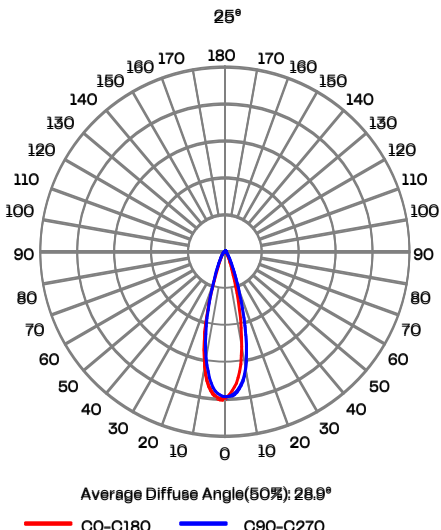
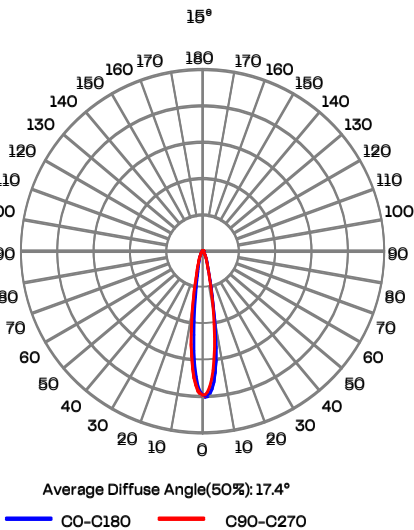
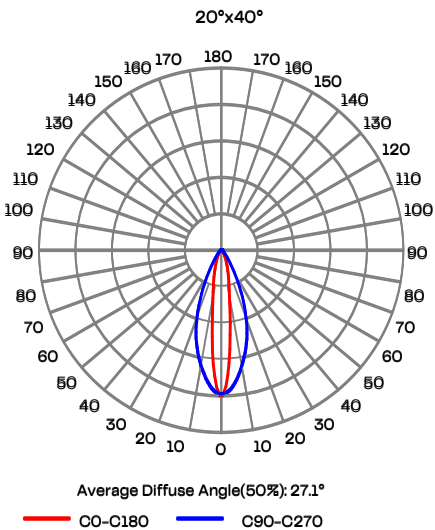
| Accessories                                |
|--------------------------------------------|
| <input type="checkbox"/> Half Glare Shield |
| <input type="checkbox"/> Honeycomb         |

# Lighting Specifications

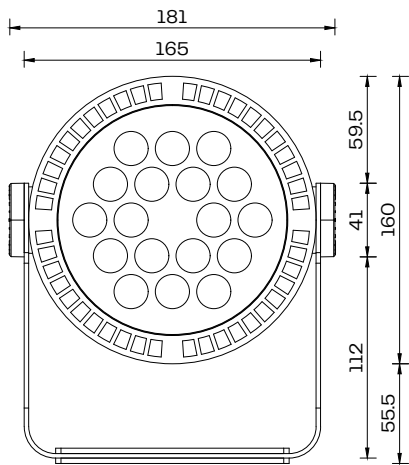
## Beam F36

|                                  | Full White<br>(lm/m) | Cold White<br>(lm/m) | Warm White<br>(lm/m) |
|----------------------------------|----------------------|----------------------|----------------------|
| Tunable White 1800-6000K 15°     | 3114                 | 2827                 | 2913                 |
| Tunable White 1800-6000K 25°     | 3146                 | 2855                 | 2943                 |
| Tunable White 1800-6000K 45°     | 3177                 | 2884                 | 2972                 |
| Tunable White 1800-6000K 60°     | 3083                 | 2798                 | 2884                 |
| Tunable White 1800-6000K 20°x40° | 2989                 | 2712                 | 2795                 |
| Tunable White 2700-6000K 15°     | 3178                 | 2884                 | 2973                 |
| Tunable White 2700-6000K 25°     | 3210                 | 2913                 | 3003                 |
| Tunable White 2700-6000K 45°     | 3242                 | 2943                 | 3033                 |
| Tunable White 2700-6000K 60°     | 3146                 | 2855                 | 2943                 |
| Tunable White 2700-6000K 20°x40° | 3050                 | 2768                 | 2852                 |

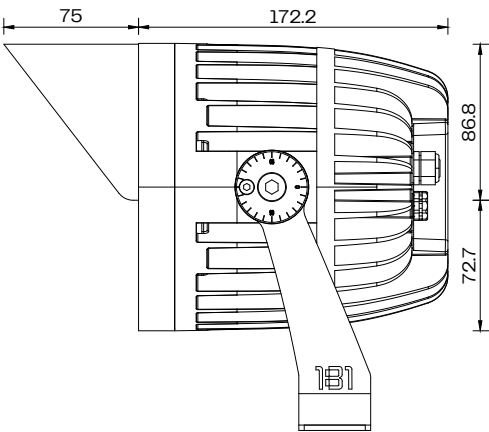
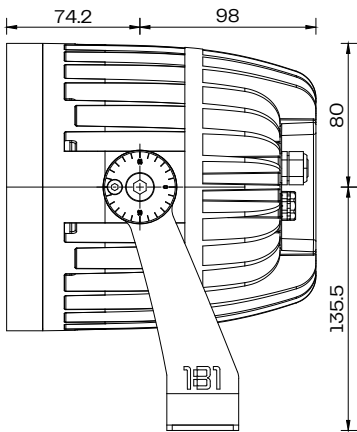
## Photometric Distribution



# Dimensions



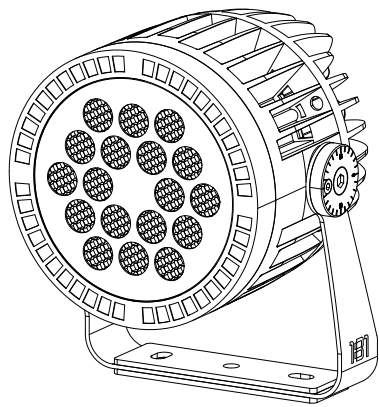
Beam F36 Tunable White



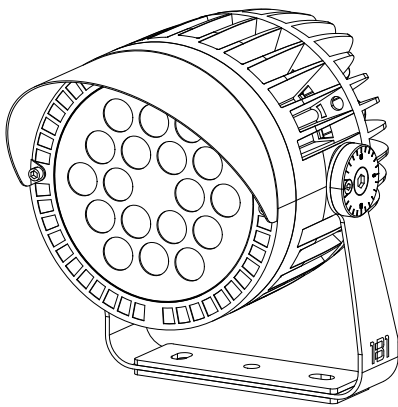
Half Glare Shield

\*The dimensions shown are not to scale. Please refer to the Dimension Sheet document for additional dimensions.

# Accessories Options

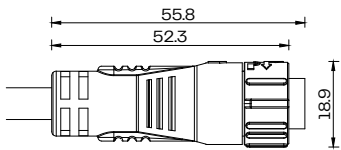


Honeycomb

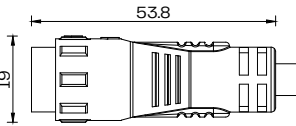


Half Glare Shield

# Connection



M16 Male Connector



M16 Female Connector

| Connector Pin |        |         |
|---------------|--------|---------|
| Pin 1         | Red    | 48 V+   |
| Pin 2         | Green  | Data +  |
| Pin 3         | White  | Program |
| Pin 4         | Yellow | Data -  |
| Pin 5         | Black  | GND     |

# Product References

## Beam

| Reference | Description                               |
|-----------|-------------------------------------------|
| 3429177   | Beam F36 Tunable White 1800-6000K 15°     |
| 3429178   | Beam F36 Tunable White 1800-6000K 25°     |
| 3429179   | Beam F36 Tunable White 1800-6000K 45°     |
| 3429180   | Beam F36 Tunable White 1800-6000K 60°     |
| 3429181   | Beam F36 Tunable White 1800-6000K 20°x40° |
| 3429182   | Beam F36 Tunable White 2700-6000K 15°     |
| 3429183   | Beam F36 Tunable White 2700-6000K 25°     |
| 3429184   | Beam F36 Tunable White 2700-6000K 45°     |
| 3429185   | Beam F36 Tunable White 2700-6000K 60°     |
| 3429186   | Beam F36 Tunable White 2700-6000K 20°x40° |

## Accessories

| Reference | Description       |
|-----------|-------------------|
| 3990972   | Honeycomb         |
| 3990982   | Half Glare Shield |