

Beam F54

White

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

The Beam F54 White is perfect for a lighting scheme with efficient and High-quality white light. They come with environmental protection including a coastal proof rating. With beam angles from 10° 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)   | 54                      |
| Input Voltage (V DC)    | 48                      |
| LEDs (/pc)              | 18                      |
| Pixels (/pc)            | 1                       |
| Flicker Frequency (kHz) | 16                      |
| LED Type                | SMD3030                 |
| Channels (/pc)          | 3                       |
| Color Range             | Single Color            |
| CRI                     | ≥80 (Custom on request) |
| Control                 | DMX(RDM)/PxLNet         |
| Dimming                 | 16 Bit                  |

| Installation Conditions & Lighting Data |                  |     |
|-----------------------------------------|------------------|-----|
| Maximum Run Length (pcs)                | 8                |     |
| Delivered Lumen Full White (lm)         | 5045 (3000K 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)      | 3,2                              |
| Dimensions WxH (mm) | 200 x 230                        |

## Options

| Color/CCT                      |  |
|--------------------------------|--|
| <input type="checkbox"/> 2700K |  |
| <input type="checkbox"/> 3000K |  |
| <input type="checkbox"/> 4000K |  |
| <input type="checkbox"/> 5000K |  |

| Optics                       |                                               |
|------------------------------|-----------------------------------------------|
| <input type="checkbox"/> 10° | <input type="checkbox"/> 60°                  |
| <input type="checkbox"/> 15° | <input type="checkbox"/> 30°x60° <sup>1</sup> |
| <input type="checkbox"/> 30° | <input type="checkbox"/> 10°x40° <sup>1</sup> |
| <input type="checkbox"/> 45° | <input type="checkbox"/> 10°x60° <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         |  |

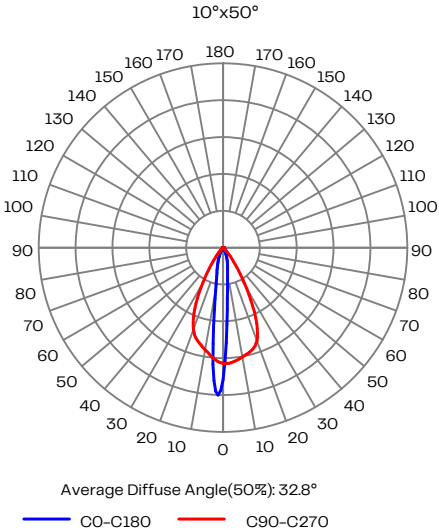
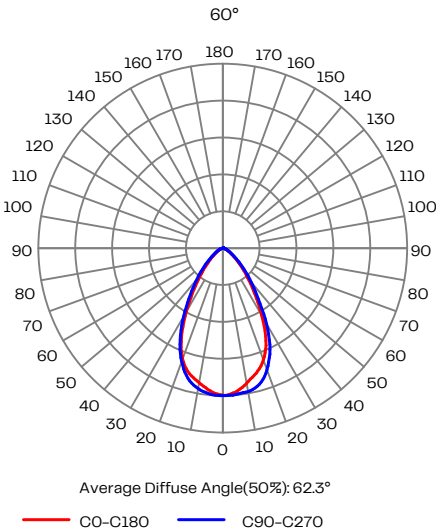
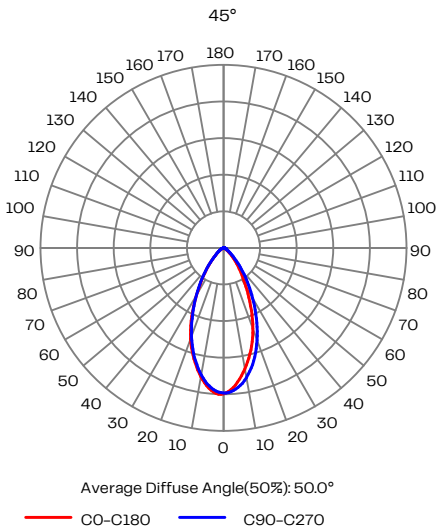
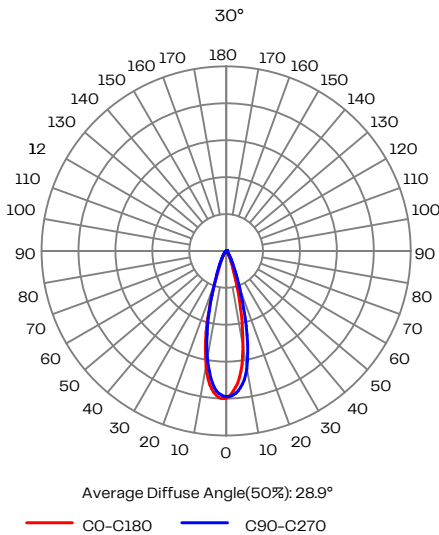
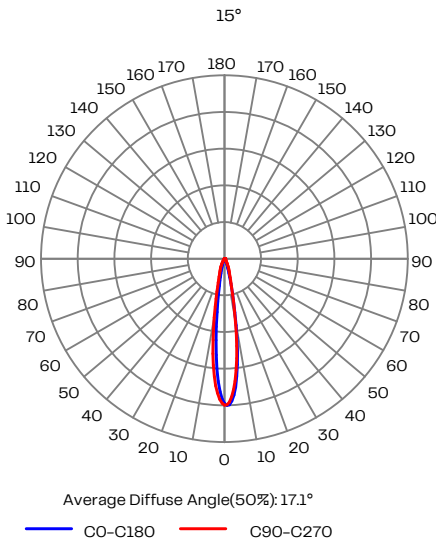
# Lighting Specifications

## Beam F54

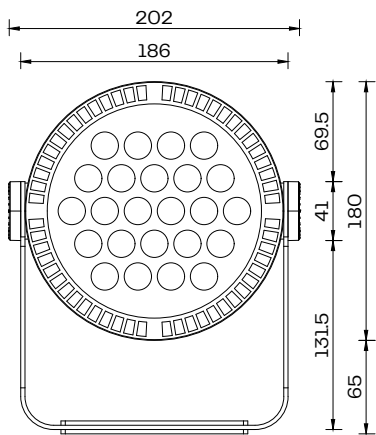
|               | Full White<br>(lm/m) |
|---------------|----------------------|
| 2700K 10°     | 4634                 |
| 2700K 15°     | 4720                 |
| 2700K 30°     | 4579                 |
| 2700K 45°     | 4792                 |
| 2700K 60°     | 4600                 |
| 2700K 30°x60° | 4584                 |
| 2700K 10°x40° | 4794                 |
| 2700K 10°x60° | 4791                 |
| 3000K 10°     | 4878                 |
| 3000K 15°     | 4968                 |
| 3000K 30°     | 4820                 |
| 3000K 45°     | 5045                 |
| 3000K 60°     | 4842                 |
| 3000K 30°x60° | 4825                 |
| 3000K 10°x40° | 5047                 |
| 3000K 10°x60° | 5044                 |

|               | Full White<br>(lm/m) |
|---------------|----------------------|
| 4000K 10°     | 5073                 |
| 4000K 15°     | 5167                 |
| 4000K 30°     | 5012                 |
| 4000K 45°     | 5246                 |
| 4000K 60°     | 5036                 |
| 4000K 30°x60° | 5017                 |
| 4000K 10°x40° | 5248                 |
| 4000K 10°x60° | 5245                 |
| 5000K 10°     | 4585                 |
| 5000K 15°     | 4670                 |
| 5000K 30°     | 4530                 |
| 5000K 45°     | 4742                 |
| 5000K 60°     | 4551                 |
| 5000K 30°x60° | 4535                 |
| 5000K 10°x40° | 4744                 |
| 5000K 10°x60° | 4741                 |

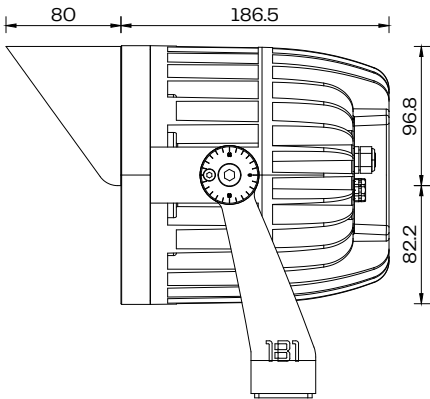
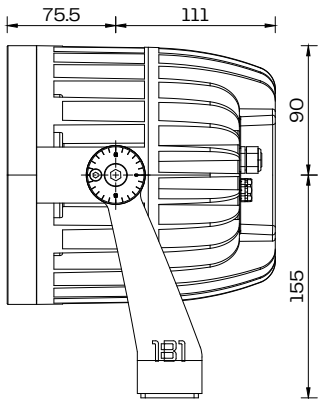
## Photometric Distribution



# Dimensions



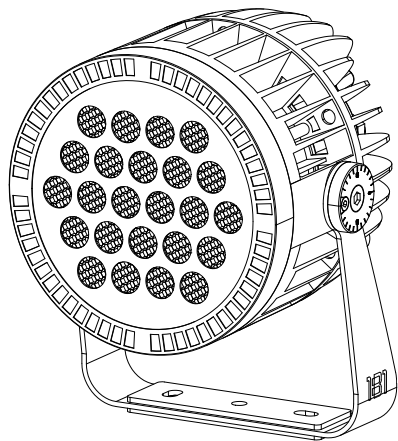
Beam F54 White



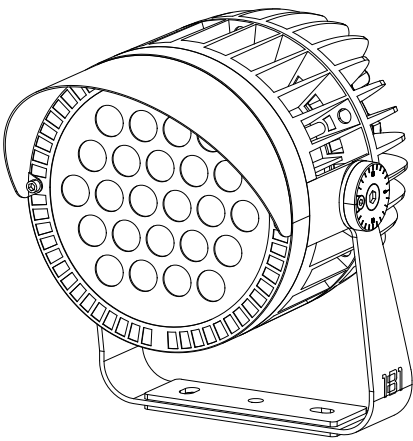
Half Glare Shield

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

# Accessories Options

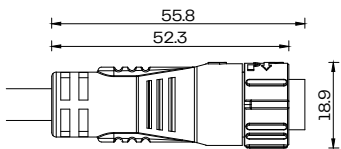


Honeycomb

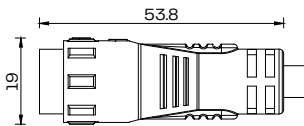


Half Glare Shield

# 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            |
|-----------|------------------------|
| 3433144   | Beam F54 2700K 10°     |
| 3433148   | Beam F54 2700K 15°     |
| 3433152   | Beam F54 2700K 30°     |
| 3433156   | Beam F54 2700K 45°     |
| 3433160   | Beam F54 2700K 60°     |
| 3433168   | Beam F54 2700K 30°x60° |
| 3433164   | Beam F54 2700K 10°x40° |
| 3433172   | Beam F54 2700K 10°x60° |
| 3433145   | Beam F54 3000K 10°     |
| 3433149   | Beam F54 3000K 15°     |
| 3433153   | Beam F54 3000K 30°     |
| 3433157   | Beam F54 3000K 45°     |
| 3433161   | Beam F54 3000K 60°     |
| 3433169   | Beam F54 3000K 30°x60° |
| 3433165   | Beam F54 3000K 10°x40° |
| 3433173   | Beam F54 3000K 10°x60° |
| 3433146   | Beam F54 4000K 10°     |
| 3433150   | Beam F54 4000K 15°     |
| 3433154   | Beam F54 4000K 30°     |
| 3433158   | Beam F54 4000K 45°     |
| 3433162   | Beam F54 4000K 60°     |
| 3433170   | Beam F54 4000K 30°x60° |
| 3433166   | Beam F54 4000K 10°x40° |
| 3433174   | Beam F54 4000K 10°x60° |
| 3433147   | Beam F54 5000K 10°     |
| 3433151   | Beam F54 5000K 15°     |
| 3433155   | Beam F54 5000K 30°     |
| 3433159   | Beam F54 5000K 45°     |
| 3433163   | Beam F54 5000K 60°     |
| 3433171   | Beam F54 5000K 30°x60° |
| 3433167   | Beam F54 5000K 10°x40° |
| 3433175   | Beam F54 5000K 10°x60° |

## Accessories

| Reference | Description       |
|-----------|-------------------|
| 3990973   | Honeycomb         |
| 3990983   | Half Glare Shield |