# Full-Color LED Fixed-Angle Profile Spotlight



# USER MANUAL

**Beam Angle Options: 5° / 10° / 14° / 19° / 26° / 36° / 50°**



## Package Contents

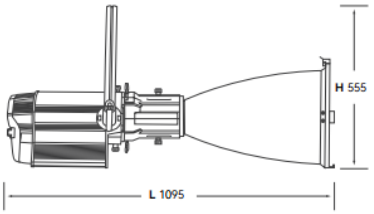
- 1 × Full-Color LED Fixed-Angle Profile Spotlight
- 1 × diffusion filter
- 1 × pair of power input/output connectors
- 1 × pair of 3-pin DMX input/output connectors

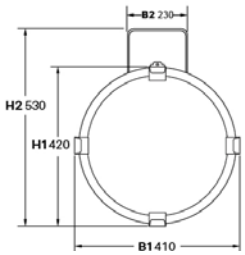
## 1. Product Overview

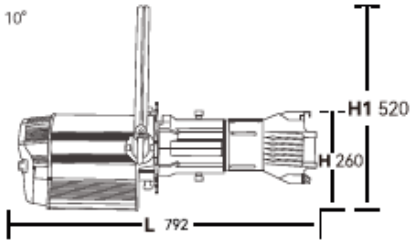
- **Input Voltage:** AC 100–240 V, 50/60 Hz
- **Rated Power:** 230 W
- **CCT:** 2700–10,000 K adjustable
- **Dimming:** 16-bit or higher smooth and linear flicker-free dimming
- **Dimming Modes:** 7 selectable dimming modes
- **Control:** DMX512 control and local control via buttons and rotary encoder for dimming, CCT and DUV adjustment.
- **Main Functions:** Positive/negative DUV adjustment, 360° hue adjustment, saturation adjustment, RDM support, and strobe function
- **Focus:** Manual focus
- **Beam Angles:** 5° / 10° / 14° / 19° / 26° / 36° / 50°
- **Dimensions:** 114 × 41 × 43 cm/83 × 29 × 29 cm/74 × 29 × 29 cm/120 × 41 × 43 cm/89 × 29 × 29 cm/80 × 29 × 29 cm
- **Net Weight:** 11.5 kg/14 kg/13.8 kg/13.2 kg/13.6 kg/14.2 kg/12.6 kg/15.1 kg/14.9 kg/14.3 kg/14.7 kg/15.3 kg

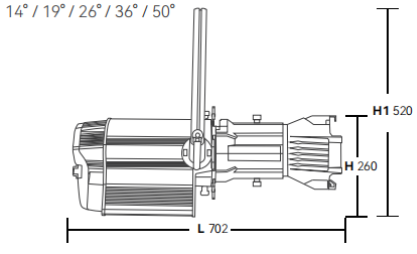
**IMPORTANT:** When linking multiple fixtures through power input/output connections, connect no more than 8 fixtures per power-link group. Use a grounded 3 × 2.5 mm² power cable.

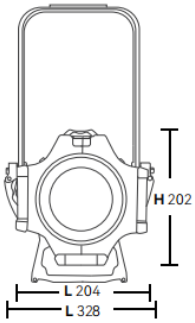
## 2. Fixture Dimension



# 3. DMX Channel Functions

The fixture supports 4-channel, 12-channel, and 13-channel DMX modes.

## 4-Channel Mode

| CH | Function / Description |
|---|---|
| 1 | Master Dimmer |
| 2 | CCT: 2700–10,000 K adjustable. Each CCT range corresponds to a defined DMX value. |
| 3 | DUV Adjustment: positive/negative DUV adjustment. |
| 4 | Strobe |

## 12-Channel Mode

| CH | Function / Description |
|---|---|
| 1 | Master Dimmer |
| 2 | CCT: 2700–10,000 K adjustable. Each CCT range corresponds to a defined DMX value. |
| 3 | DUV Adjustment: values 0–5 = no adjustment; 6–255 = negative-to-positive DUV adjustment. Value 6 = maximum negative DUV; value 255 = maximum positive DUV. Values 110–150 cover the region around DUV 0. |
| 4 | Function Switch: values 128–255 activate the switch function. When active, CH 2 and CH 3 are disabled. |
| 5 | Red Dimmer |
| 6 | Green Dimmer |
| 7 | Blue Dimmer |
| 8 | Warm White Dimmer |
| 9 | Hue: values 0–4 = inactive; 5–255 = 360° hue adjustment. When active, CH 2, 3, 5, 6, 7, 8 and 11 are disabled. |
| 10 | Saturation Adjustment |
| 11 | Color Presets: 72 built-in color presets, each assigned to a DMX value range. When active, CH 2, 3, 5, 6, 7, 8 and 10 are disabled. |
| 12 | Strobe |

## 13-Channel Mode

| CH | Function / Description |
|---|---|
| 1 | Master Dimmer |
| 2 | 16-bit Dimmer Fine |
| 3 | CCT: 2700–10,000 K adjustable. Each CCT range corresponds to a defined DMX value. |
| 4 | DUV Adjustment: values 0–5 = no adjustment; 6–255 = negative-to-positive DUV adjustment. Value 6 = maximum negative DUV; value 255 = maximum positive DUV. Values 110–150 cover the region around DUV 0. |
| 5 | Function Switch: values 128–255 activate the switch function. When active, CH 3 and CH 4 are disabled. |
| 6 | Red Dimmer |
| 7 | Green Dimmer |
| 8 | Blue Dimmer |
| 9 | Warm White Dimmer |
| 10 | Hue: values 0–4 = inactive; 5–255 = 360° hue adjustment. When active, CH 3, 4, 6, 7, 8, 9 and 12 are disabled. |
| 11 | Saturation Adjustment |
| 12 | Color Presets: 72 built-in color presets, each assigned to a DMX value range. When active, CH 3, 4, 6, 7, 8, 9 and 11 are disabled. |
| 13 | Strobe |

# 4. Master/Slave Operation

Set the DMX address of all fixtures to 001 and disconnect the DMX signal. On any one fixture, set the Master option in the menu to ON. Select the required function on the master fixture using the function controls. All connected fixtures will then operate in synchronization.

## 5. CCT & Color Preset DMX Value Reference

### CCT DMX Value Reference

| DMX Value | CCT | DMX Value | CCT |
|---|---|---|---|
| 0–2 | 2700 K | 111–113 | 6400 K |
| 3–5 | 2800 K | 114–116 | 6500 K |
| 6–8 | 2900 K | 117–119 | 6600 K |
| 9–11 | 3000 K | 120–122 | 6700 K |
| 12–14 | 3100 K | 123–125 | 6800 K |
| 15–17 | 3200 K | 126–128 | 6900 K |
| 18–20 | 3300 K | 129–131 | 7000 K |
| 21–23 | 3400 K | 132–134 | 7100 K |
| 24–26 | 3500 K | 135–137 | 7200 K |
| 27–29 | 3600 K | 138–140 | 7300 K |
| 30–32 | 3700 K | 141–143 | 7400 K |
| 33–35 | 3800 K | 144–146 | 7500 K |
| 36–38 | 3900 K | 147–149 | 7600 K |
| 39–41 | 4000 K | 150–152 | 7700 K |
| 42–44 | 4100 K | 153–155 | 7800 K |
| 45–47 | 4200 K | 156–158 | 7900 K |
| 48–50 | 4300 K | 159–161 | 8000 K |
| 51–53 | 4400 K | 162–164 | 8100 K |
| 54–56 | 4500 K | 165–167 | 8200 K |
| 57–59 | 4600 K | 168–170 | 8300 K |
| 60–62 | 4700 K | 171–173 | 8400 K |
| 63–65 | 4800 K | 174–176 | 8500 K |
| 66–68 | 4900 K | 177–179 | 8600 K |
| 69–71 | 5000 K | 180–182 | 8700 K |
| 72–74 | 5100 K | 183–185 | 8800 K |
| 75–77 | 5200 K | 186–188 | 8900 K |
| 78–80 | 5300 K | 189–191 | 9000 K |
| 81–83 | 5400 K | 192–194 | 9100 K |
| 84–86 | 5500 K | 195–197 | 9200 K |
| 87–89 | 5600 K | 198–200 | 9300 K |
| 90–92 | 5700 K | 201–203 | 9400 K |
| 93–95 | 5800 K | 204–206 | 9500 K |
| 96–98 | 5900 K | 207–209 | 9600 K |
| 99–101 | 6000 K | 210–212 | 9700 K |
| 102–104 | 6100 K | 213–215 | 9800 K |
| 105–107 | 6200 K | 216–218 | 9900 K |
| 108–110 | 6300 K | 219–255 | 10000 K |

### Color Preset DMX Value Reference

| DMX Value | Color Preset | DMX Value | Color Preset |
|---|---|---|---|
| 5–7 | L024 | 113–115 | L088 |
| 8–10 | L025 | 116–118 | L089 |
| 11–13 | L026 | 119–121 | L090 |
| 14–16 | L027 | 122–124 | L115 |
| 17–19 | L029 | 125–127 | L116 |
| 20–22 | L035 | 128–130 | L117 |
| 23–25 | L036 | 131–133 | L118 |
| 26–28 | L046 | 134–136 | L119 |
| 29–31 | L048 | 137–139 | L120 |
| 32–34 | L049 | 140–142 | L121 |
| 35–37 | L105 | 143–145 | L122 |
| 38–40 | L106 | 146–148 | L123 |
| 41–43 | L004 | 149–151 | L061 |
| 44–46 | L008 | 152–154 | L063 |
| 47–49 | L009 | 155–157 | L068 |
| 50–52 | L010 | 158–160 | L071 |
| 53–55 | L013 | 161–163 | L075 |
| 56–58 | L015 | 164–166 | L079 |
| 59–61 | L017 | 167–169 | L085 |
| 62–64 | L019 | 170–172 | L124 |
| 65–67 | L020 | 173–175 | L125 |
| 68–70 | L021 | 176–178 | L126 |
| 71–73 | L022 | 179–181 | L127 |
| 74–76 | L102 | 182–184 | L128 |
| 77–79 | L100 | 185–187 | L052 |
| 80–82 | L101 | 188–190 | L053 |
| 83–85 | L103 | 191–193 | L058 |
| 86–88 | L104 | 194–196 | L129 |
| 89–91 | L107 | 197–199 | L130 |
| 92–94 | L108 | 200–202 | L131 |
| 95–97 | L109 | 203–205 | L132 |
| 98–100 | L110 | 206–208 | L133 |
| 101–103 | L111 | 209–211 | L134 |
| 104–106 | L112 | 212–214 | L135 |
| 107–109 | L113 | 215–217 | L136 |
| 110–112 | L114 | 218–255 | L137 |