USING FULL COLOR SEGMENTED LIGHTS WITH THE LSS-2404

For Photometric Stereo with a single color
With 1 LSS and an FC light with SM connectors you can control a single channel in each quadrant (e.g. red) and connect each cable to Red CH1, Red CH2, Red CH3, and Red CH4.

CCS parts needed:
(1) LSS-2404
(1) FCB-F-0.3-XS2-SM3 or FCB-F-0.9-XS2-SM3 (SM breakout cable)
(1) Full color segmented light e.g. HPR2-100FC-DV04 (SM connector)

For full control of all 12 channels

METHOD 1 (Using an SM type full color segmented light)
• Requires 3 LSS-2404 units

METHOD 2 (Using an M12 type full color segmented light)
• Requires 4 LSS-2404 units

METHOD 1 (Using an SM type full color segmented light)
LSS 1: Red color CH1-4
LSS 2: Blue color CH1-4
LSS 3: Green color CH1-4

CCS parts needed:
(3) LSS-2404
(3) FCB-F-0.3-XS2-SM3 or FCB-F-0.9-XS2-SM3 (SM breakout cables)
(3) FCB-X-0.5SQM12-5M5F (optional straight M12 5pin extension cables, between LSS and breakout cable)
(1) Full color segmented light e.g. HPR2-100FC-DV04 (SM connector)

METHOD 2 (Using an M12 type full color segmented light)
LSS 1: Red, green, blue color CH1-3 (Quadrant 1)
LSS 2: Red, green, blue color CH1-3 (Quadrant 2)
LSS 3: Red, green, blue color CH1-3 (Quadrant 3)
LSS 4: Red, green, blue color CH1-3 (Quadrant 4)

CCS parts needed:
(4) LSS-2404
(4) FCB-X-0.5SQM12-5M5F (straight M12 5pin extension cables)
(1) Full color segmented light e.g. HPR2-100FC-DV04M12-5 (M12 connector)
**USING FULL COLOR SEGMENTED LIGHTS WITH THE LSS-2404**

**USE 3pcs LSS-2404 with HPR2-xxFC-DV04**

1. **Trigger Signal**
   - Pass the same trigger signal to all three LSS units

2. **Configure the LSS channel mapping as below**
   - Break out cable: FCB-F-0.5SQM12-5M5F or FCB-F-0.5SQM12-5M5F with optional extension cable FCB-X-0.5SQM12-5M5F
   - Number of Frames: 12

**USE 4pcs LSS-2404 with HPR2-xxFC-DV04M12-5**

1. **Trigger Signal**
   - Pass the same trigger signal to all three LSS units

2. **Configure the LSS channel mapping as below**
   - FCB-1/3/5/9-0.5SQM12-5M5F
   - Number of Frames: 12

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