

Photometric Report

ELP WW ZOOM LENS 25-50 DEGREE — MEDIUM

SPEC SHEET

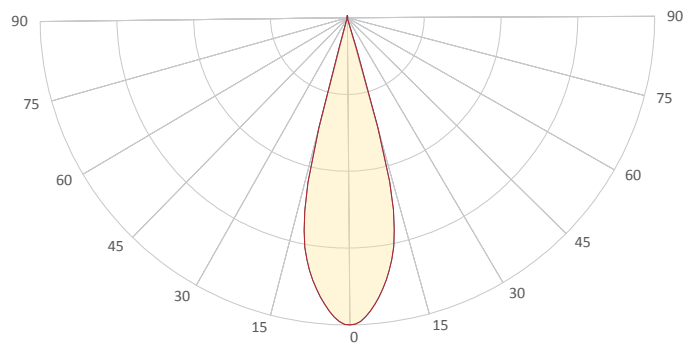
MARTIN PROFESSIONAL R&D OPTICAL LABORATORY

GENERAL SPECIFICATIONS



| | |
|-----------------------|---------------|
| Total Fixture Output: | 6700 lm |
| Light Engine Output: | 16 klm |
| Efficacy: | 25 Lumen/Watt |
| Lens Option: | N/A |
| Zoomrange: | 25–50° |
| CRI: | 97 |
| CQS: | 95 |
| TM-30 Rf: | 93 |
| TM-30 Rg: | 101 |
| TLCI: | 96 |
| Color Temperature: | 3000 K |

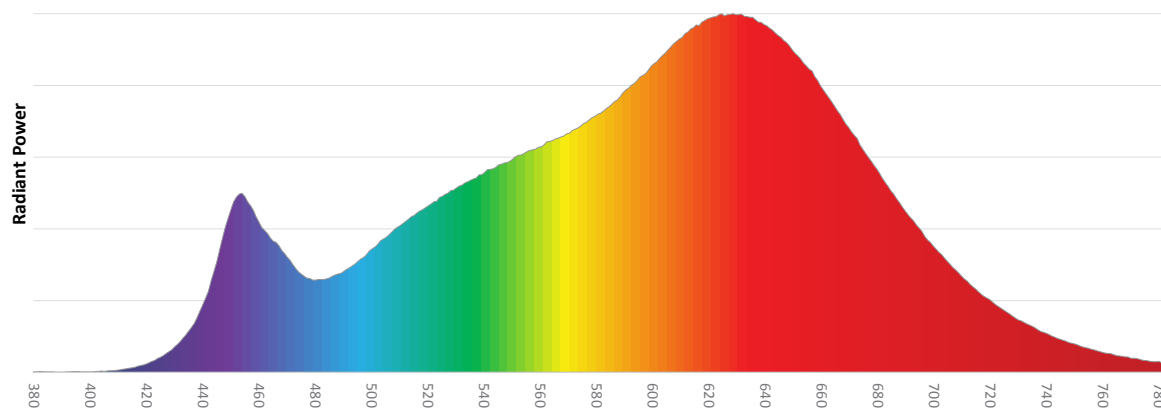
MEASUREMENT



- Vertical - Horizontal

| | |
|------------------------|-----------------|
| Catalog Number: | 9045121619 |
| Measured Output: | 6561 lm |
| Measured Peak: | 40507 cd |
| Consumed Power: | 266 W |
| Efficacy: | 24.7 Lumen/Watt |
| Beam Angle (50%): | 28.9° |
| Field Angle (10%): | 32.1° |
| Cutoff Angle (3%): | 33.6° |
| Measurement Condition: | |
| Ambient Temperature: | 25° +/- 5 °C |
| AC Supply: | 230V/50Hz |

SPECTRAL DISTRIBUTION

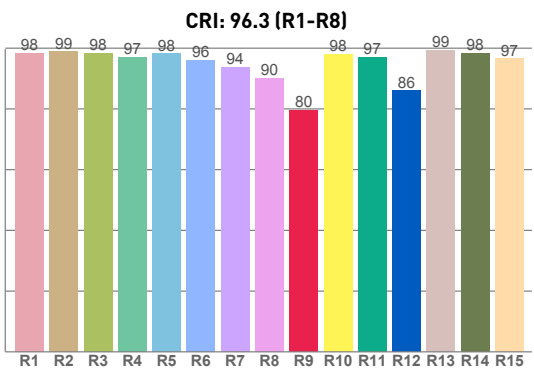
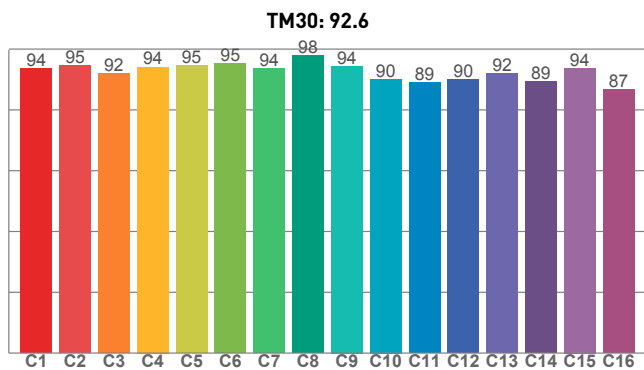
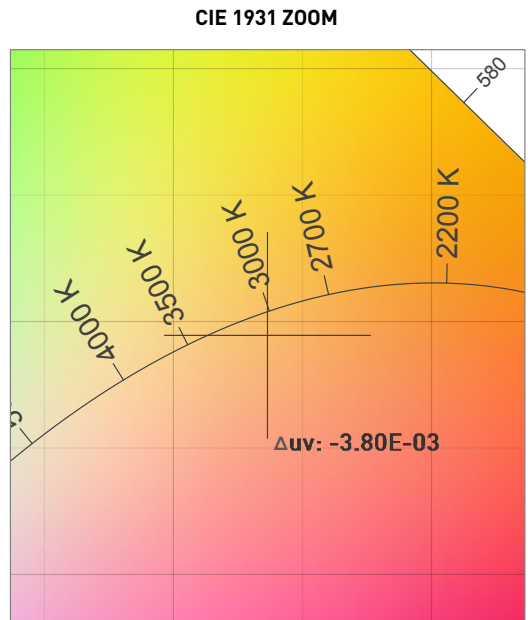
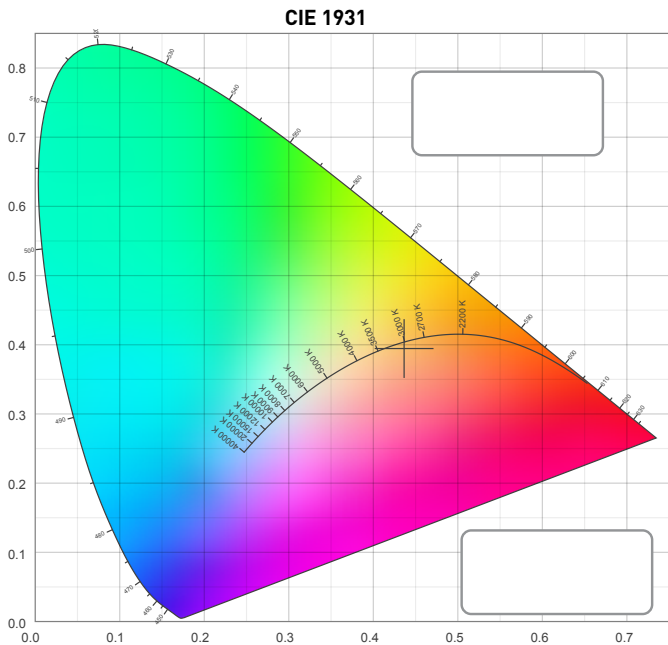


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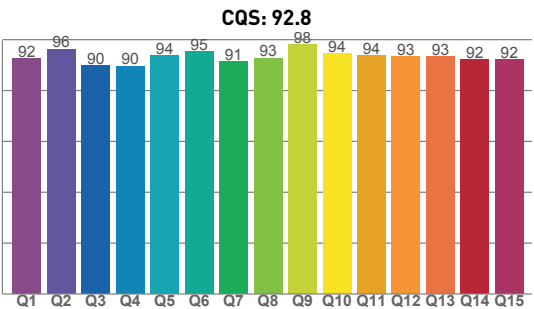
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CHROMATICITY



COLOR PARAMETERS

| Color Temperature | Color Rendering Index | Red Component | Color Fidelity | Color Gamut |
|-------------------|-----------------------|---------------|----------------|-------------|
| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg |
| 2932 K | 96.3 | 79.7 | 92.6 | 101.0 |



| Television Lighting Consistency Index | Color Quality Scale | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 | Color Deviation from Black Body |
|---------------------------------------|---------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------------|
| TLCI | CQS | x | y | u | v | Δuv |
| 96 | 92.8 | 0.436 | 0.395 | 0.254 | 0.345 | -3.80E-03 |

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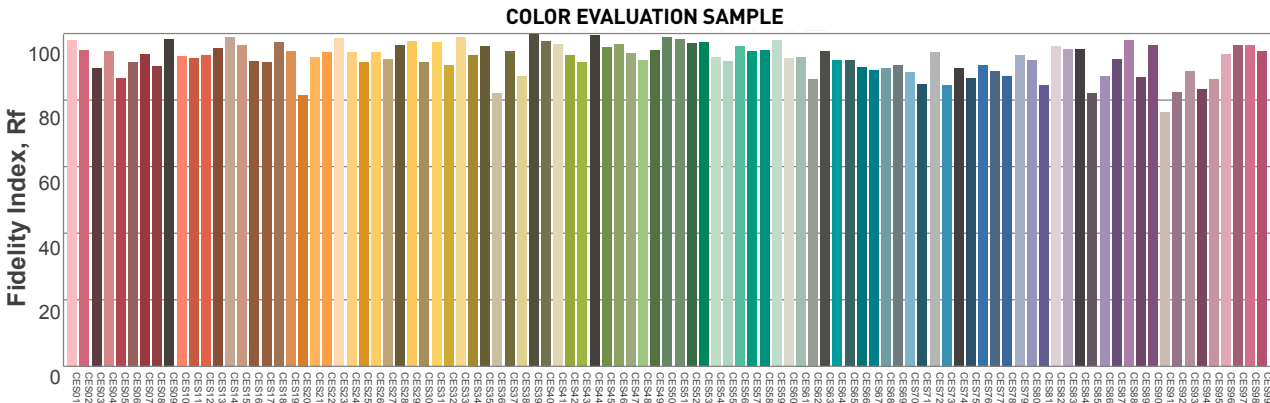
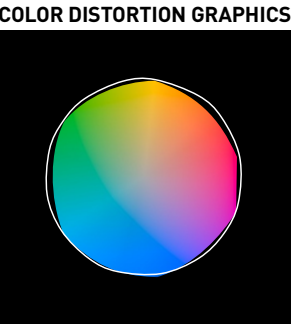
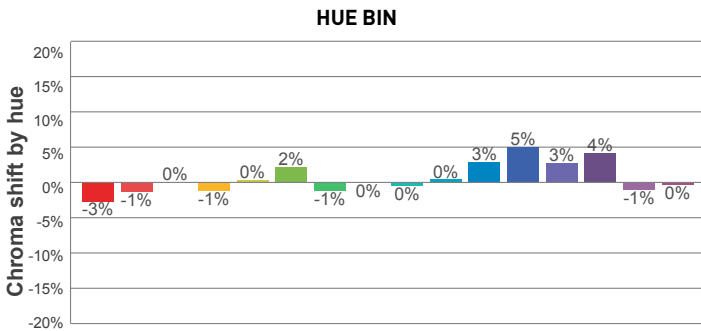
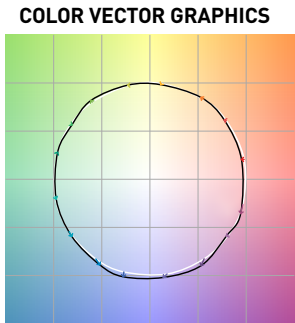
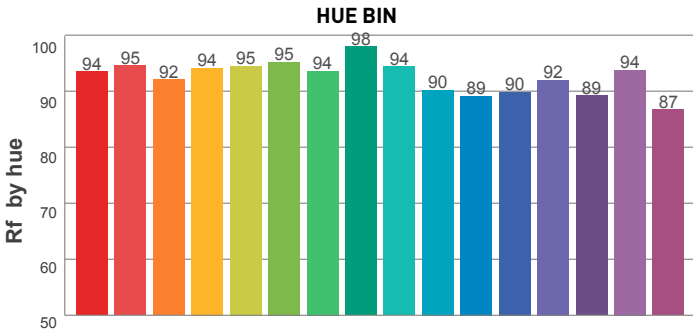
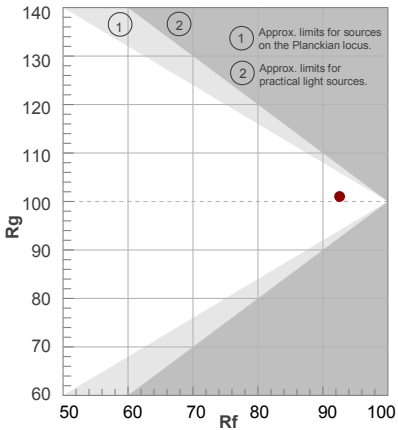
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TM30

Rf 92.6
Fidelity index Rf

Rg 101.0
Gamut index Rg

| Hue Bin | Rf | Graphic shifts (%) | |
|---------|----|--------------------|------|
| | | Chroma | Hue |
| 1 | 94 | -3% | 1% |
| 2 | 95 | -1% | 2% |
| 3 | 92 | 0% | 3% |
| 4 | 94 | -1% | 1% |
| 5 | 95 | 0% | 2% |
| 6 | 95 | 2% | 0% |
| 7 | 94 | -1% | 0% |
| 8 | 98 | 0% | 0% |
| 9 | 94 | 0% | 3% |
| 10 | 90 | 0% | 6% |
| 11 | 89 | 3% | 7% |
| 12 | 90 | 5% | 0% |
| 13 | 92 | 3% | -4% |
| 14 | 89 | 4% | -6% |
| 15 | 94 | -1% | -2% |
| 16 | 87 | 0% | -10% |

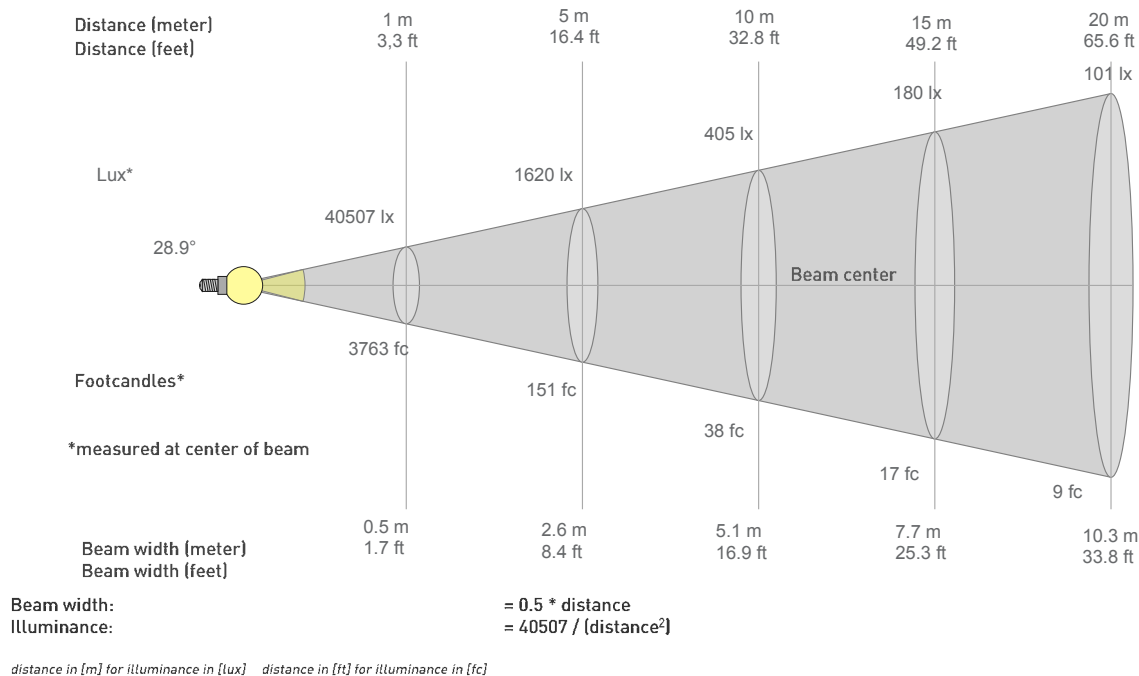


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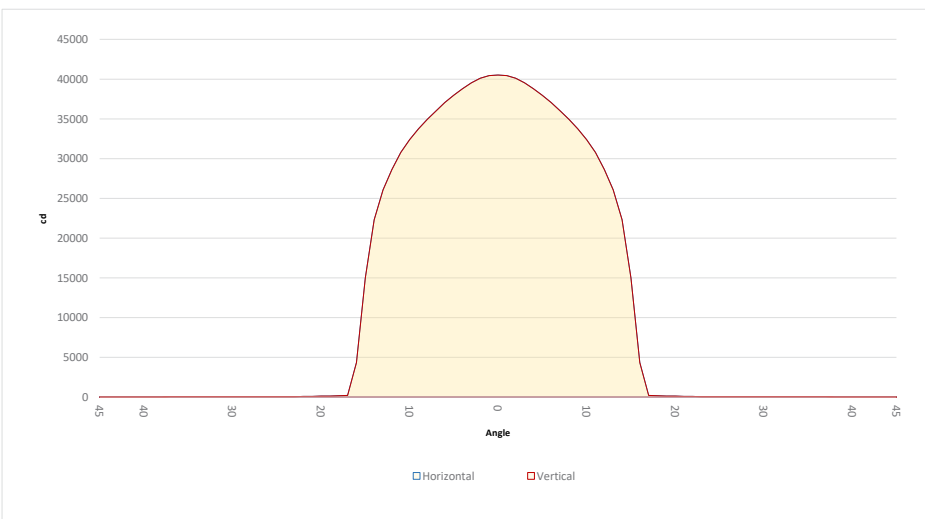
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BEAM DETAILS



BEAM ILLUMINANCE FROM 1-20M

| 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m | 11m | 12m | 13m | 14m | 15m | 16m | 17m | 18m | 19m | 20m |
|----------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3.3ft | 6.6ft | 9.8ft | 13.1ft | 16.4ft | 19.7ft | 23ft | 26.2ft | 29.5ft | 32.8ft | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| 40507lx | 10127lx | 4501lx | 2532lx | 1620lx | 1125lx | 827lx | 633lx | 500lx | 405lx | 335lx | 281lx | 240lx | 207lx | 180lx | 158lx | 140lx | 125lx | 112lx | 101lx |
| 3763.2fc | 940.8fc | 418.1fc | 235.2fc | 150.5fc | 104.5fc | 76.8fc | 58.8fc | 46.5fc | 37.6fc | 31.1fc | 26.1fc | 22.3fc | 19.2fc | 16.7fc | 14.7fc | 13fc | 11.6fc | 10.4fc | 9.4fc |



| BEAM ANGLE 50% | FIELD ANGLE 10% | CUTOFF ANGLE 3% |
|----------------|-----------------|-----------------|
| 28.9° | 32.1° | 33.6° |