

Light efficiency:

98 Lumen/Watt

Light quality:

CRI: 68.9

Color temperature:

5652 K

Output: 481 lm

Peak: 286 cd

Power: 4.9 W

19.6V @ 0.250A

2 PLANES



Product name:

DL-HP-WHITE-70D

Date and time:

10/12/2020 3:31:40 PM

Item number:

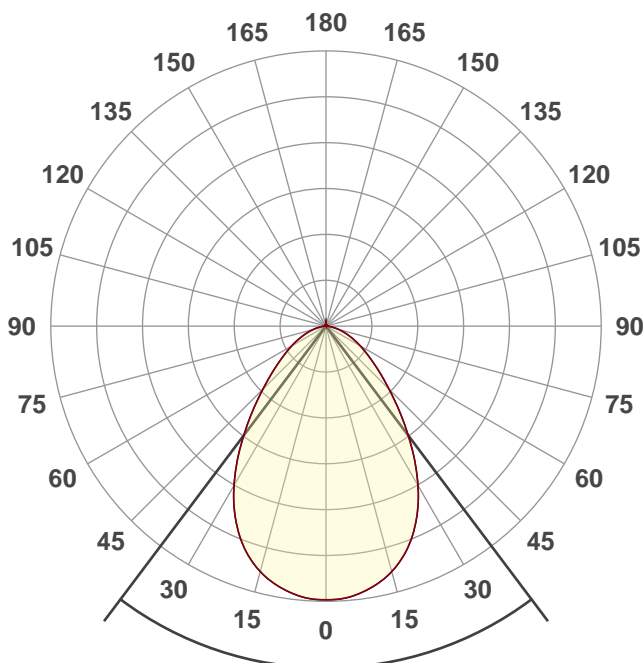
DL-HP-WHITE-70D

Operator:

HUNZA

Additional information:

**DOWN LIGHT HIGH POWER -
250MA 19.6 VOLT - IP66 - WHITE
- 70 DEGREE - SOLID
POWDERCOATED ALUMINIUM**



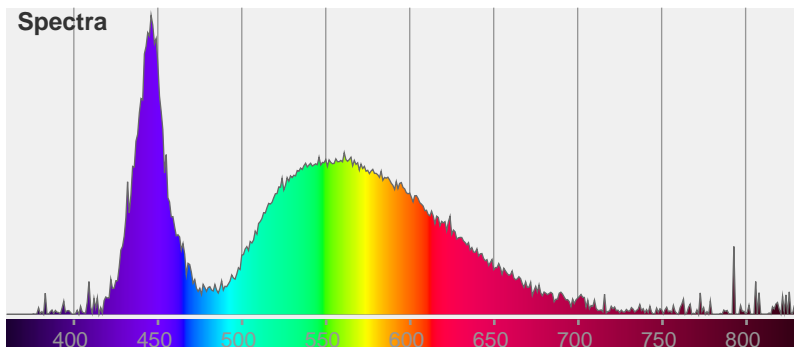
Beam angle

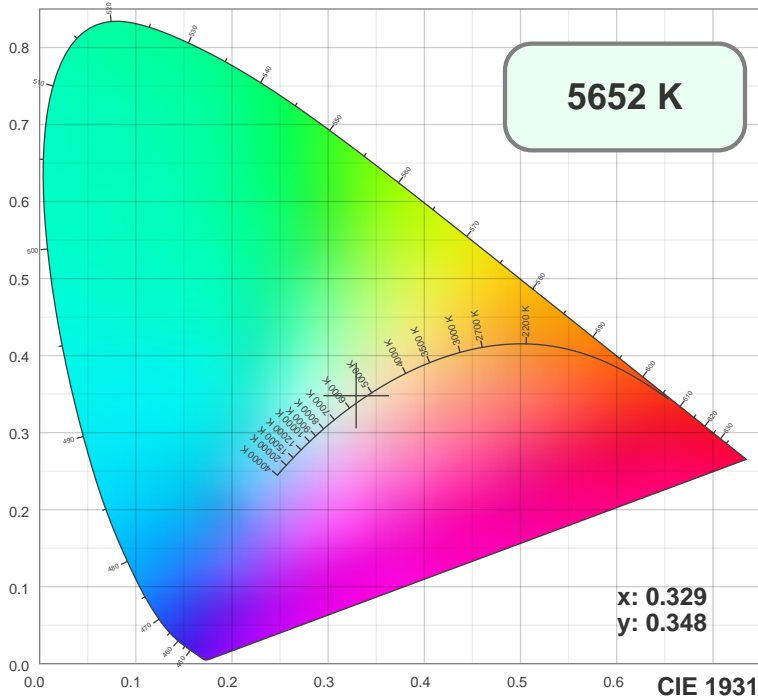
73.9°

Color

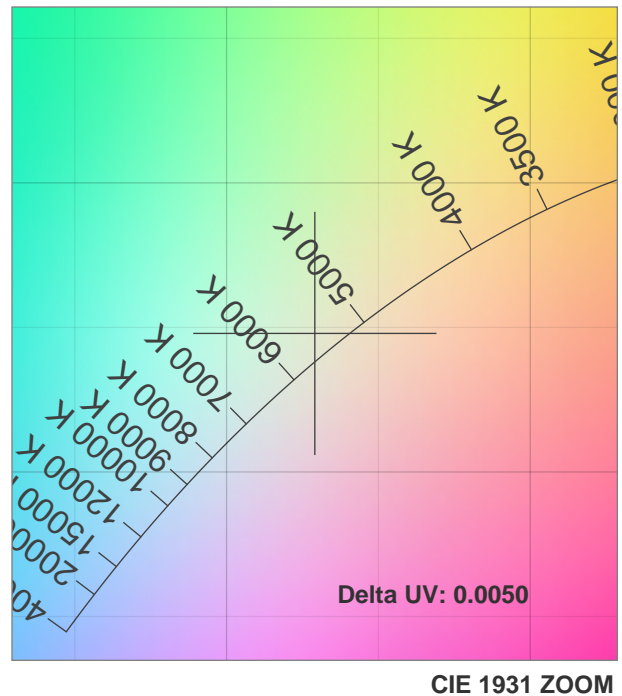
CIE1931
x: 0.329
y: 0.348

Spectra

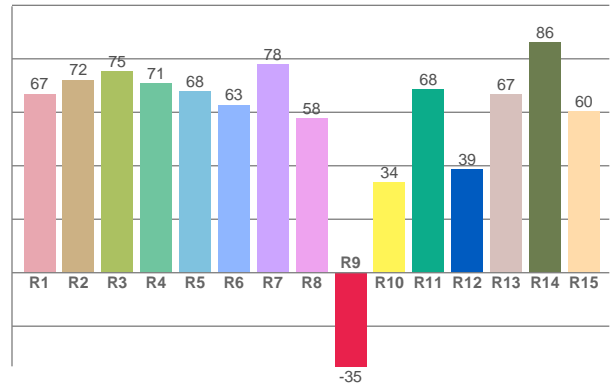
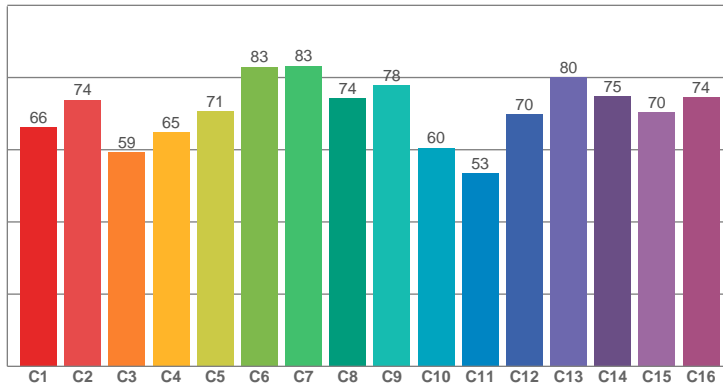




TM30: 70.3



CRI: 68.9 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|
| 66.84 | 72.16 | 75.38 | 70.81 | 67.91 | 62.71 | 77.82 | 57.66 | -35.01 | 33.70 | 68.44 | 38.60 | 66.76 | 86.06 | 60.26 |

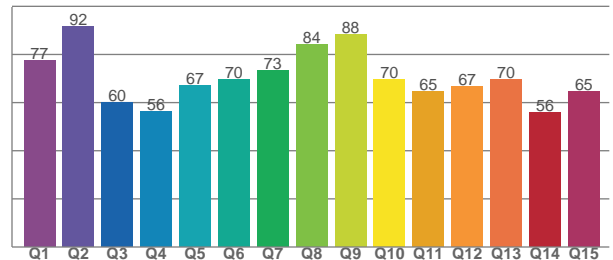
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 66.15 | 73.80 | 59.26 | 64.78 | 70.61 | 82.97 | 83.23 | 74.30 | 77.85 | 60.48 | 53.48 | 69.81 | 79.97 | 74.83 | 70.41 | 74.48 |

CQS Q values

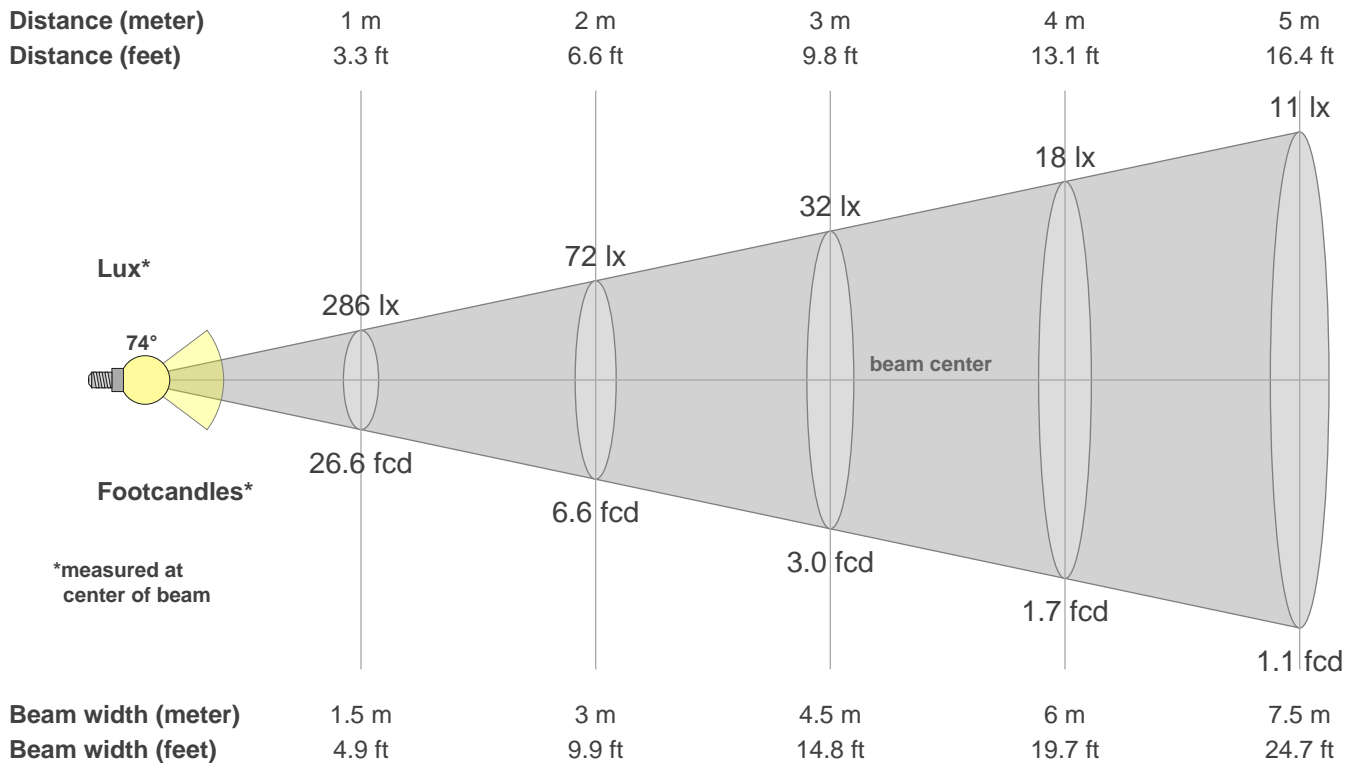
| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 77.44 | 91.58 | 60.07 | 56.47 | 67.25 | 69.64 | 73.40 | 84.31 | 88.44 | 69.54 | 64.64 | 66.65 | 69.51 | 55.87 | 64.66 |

CQS: 68.8



Color parameters

| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | x | y | u | v | Duv |
|--------|------|--------|---------|---------|------|-----|-----|-----|-----|--------|
| 5652 K | 68.9 | -35.0 | 70.3 | 94.7 | 68.8 | 0.3 | 0.3 | 0.2 | 0.3 | 0.0017 |



Intensities in 0° c-plane

| 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 286 | 285 | 277 | 266 | 248 | 223 | 192 | 157 | 123 | 94 | 71 | 54 | 41 | 31 | 22 | 14 | 8 | 3 | 1 | 1 |
| 100% | 99% | 97% | 93% | 87% | 78% | 67% | 55% | 43% | 33% | 25% | 19% | 14% | 11% | 8% | 5% | 3% | 1% | 0% | 0% |

Intensities in 90° c-plane

| 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 286 | 285 | 277 | 266 | 248 | 223 | 192 | 157 | 123 | 94 | 71 | 54 | 41 | 31 | 22 | 14 | 8 | 3 | 1 | 1 |
| 100% | 99% | 97% | 93% | 87% | 78% | 67% | 55% | 43% | 33% | 25% | 19% | 14% | 11% | 8% | 5% | 3% | 1% | 0% | 0% |

Intensities in 180° c-plane

| 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 286 | 285 | 277 | 266 | 248 | 223 | 192 | 157 | 123 | 94 | 71 | 54 | 41 | 31 | 22 | 14 | 8 | 3 | 1 | 1 |
| 100% | 99% | 97% | 93% | 87% | 78% | 67% | 55% | 43% | 33% | 25% | 19% | 14% | 11% | 8% | 5% | 3% | 1% | 0% | 0% |

Intensities in 270° c-plane

| 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 286 | 285 | 277 | 266 | 248 | 223 | 192 | 157 | 123 | 94 | 71 | 54 | 41 | 31 | 22 | 14 | 8 | 3 | 1 | 1 |
| 100% | 99% | 97% | 93% | 87% | 78% | 67% | 55% | 43% | 33% | 25% | 19% | 14% | 11% | 8% | 5% | 3% | 1% | 0% | 0% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2.5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 73.9° | 132.1° | 161.5° | 88.1% | 71.0% |