



Light efficiency:

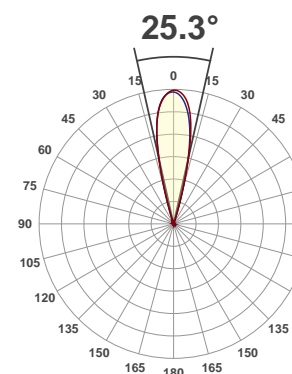
46 Lumen/Watt

Light quality:

CRI: 91.8

Color temperature:

3072 K



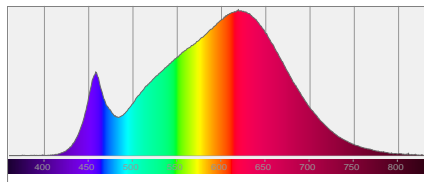
Product name:  
**Par Z100 3K**

Test:  
**25deg**

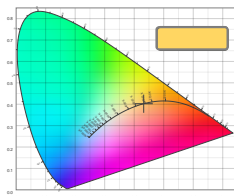
Date:  
**10/2/2017**

Output: 4576 lm Power consumption: 99.6 W Peak: 28427 cd

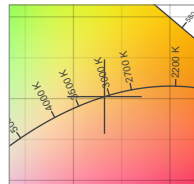
Spectral distribution



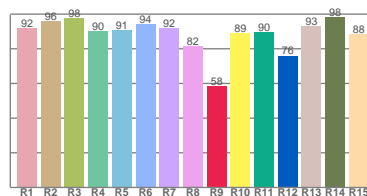
Color coordinates



Zoom color point

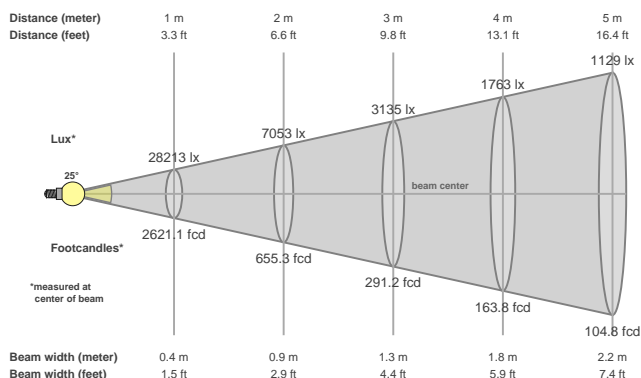


CRI R values



| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Color coordinate cie 1931 | Color coordinate cie 1931 | Color coordinate | Color coordinate | Color divition from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|------------------|------------------|--------------------------------|
| CCT               | CRI                   | CRI R9        | TM30 Rf        | TM30 Rg     | CQS                 | x                         | y                         | u                | v                | Δuv                            |
| 3072 K            | 91.8                  | 58.5          | 88.7           | 97.5        | 89.6                | 0.432                     | 0.402                     | 0.248            | 0.347            | 0.0001                         |

## Beam details



## Beam angles

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% |
|----------------|-----------------|-------------------|
| 25.3°          | 34.2°           | 37.9°             |

## Beam intensities

| Peak intensity | Int. ratio in 120° cone | Int. ratio in 90° cone |
|----------------|-------------------------|------------------------|
| 28427 cd       | 98.0%                   | 97.7%                  |

## Power

| Power  | Power factor | Power frequency |
|--------|--------------|-----------------|
| 99.6 W | 0.99         | 60 Hz           |

| Nominal voltage | Voltage | Current |
|-----------------|---------|---------|
| 230 V           | 116 V   | 0.866 A |

## Beam intensities 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 |
| 28213lx   | 7053lx   | 3135lx   | 1763lx   | 1129lx   | 784lx   | 576lx   | 441lx  | 348lx   | 282lx   | 233lx   | 196lx   | 167lx   | 144lx   | 125lx   | 110lx   | 98lx   | 87lx   | 78lx   | 71lx   |
| 2621.1fcd | 655.3fcd | 291.2fcd | 163.8fcd | 104.8fcd | 72.8fcd | 53.5fcd | 41fcd  | 32.4fcd | 26.2fcd | 21.7fcd | 18.2fcd | 15.5fcd | 13.4fcd | 11.6fcd | 10.2fcd | 9.1fcd | 8.1fcd | 7.3fcd | 6.6fcd |