

# PRODUCT SPECIFICATION SHEET



MBL2-1327-xx

Light efficacy:

**56 Lumen/Watt**

Colour Rendering Index:

**CRI: 96.7**

Colour temperature:

**2744 K**

**Output: 62.1 lm**

**Peak: 652 cd**

**Power: 1.1 W**

**PF: 1.0**



Tracking number: n/a

Product name:

**MBL2-1327-xx**

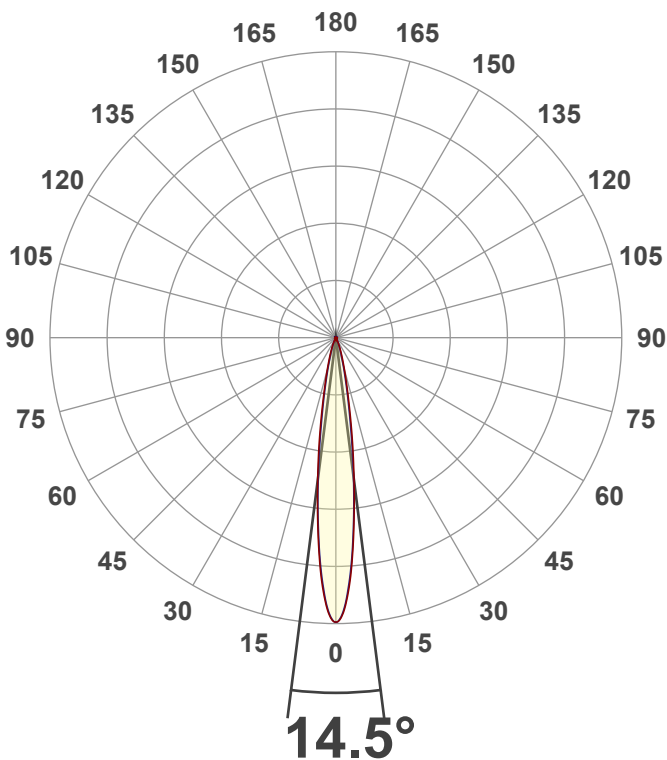
Description:

**MBL2, 13Deg, 2700K, PCBL**

Date and time:

**30/01/2023 09:29:56**

Item number:

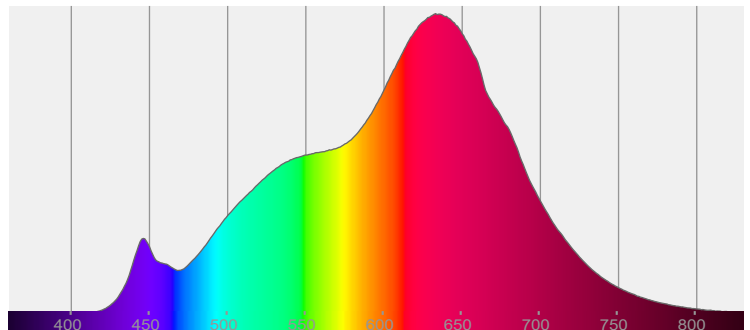


**Beam angle**



CIE 1931  
x: 0.461  
y: 0.417

**Spectra**

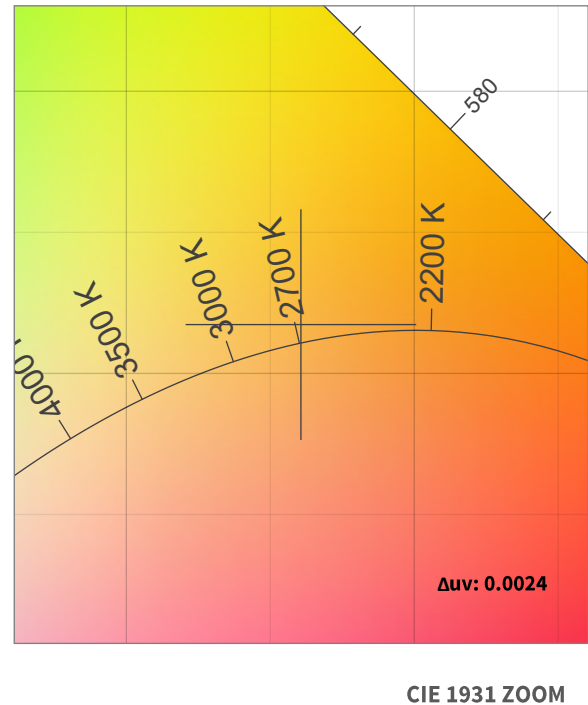
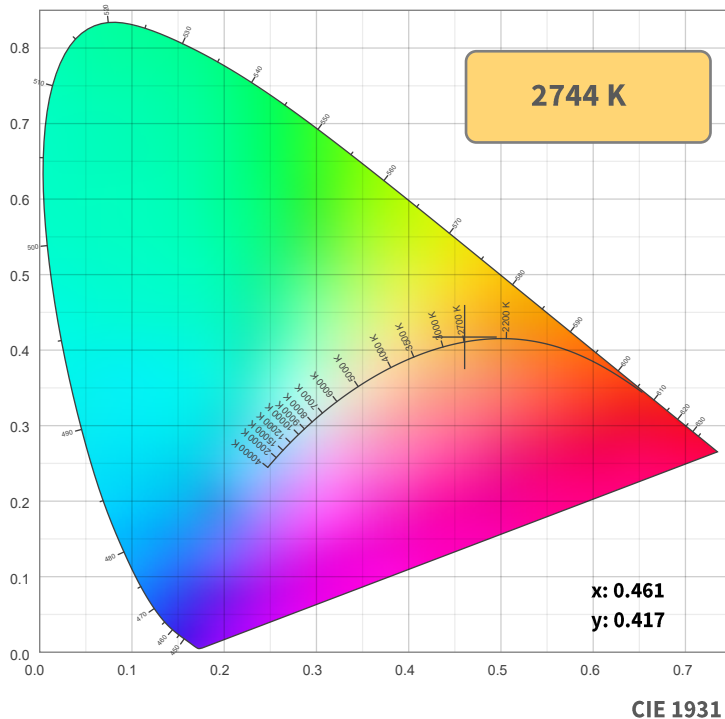


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## Colour details



## CRI: 96.7 (R1-R8)

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

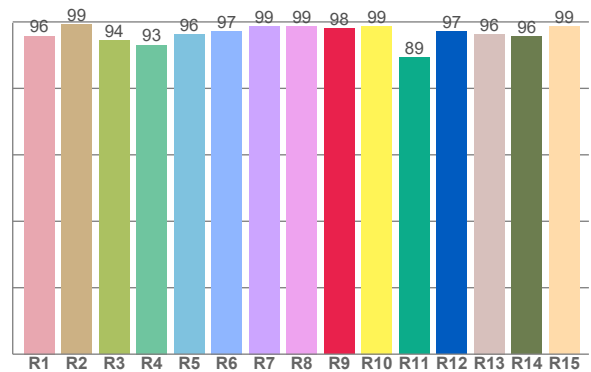
| R1   | R2   | R3   | R4   | R5   | R6   | R7   | R8   | R9   | R10  | R11  | R12  | R13  | R14  | R15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 95.8 | 99.2 | 94.3 | 93.1 | 96.1 | 97.3 | 98.8 | 98.8 | 98.0 | 98.8 | 89.3 | 97.0 | 96.3 | 95.6 | 98.7 |

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  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 97.1 | 96.1 | 95.1 | 95.4 | 96.6 | 95.4 | 95.7 | 95.1 | 96.6 | 96.9 | 98.2 | 94.2 | 95.2 | 95.4 | 95.8 | 93.8 |

CQS Q values

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 95.1 | 96.0 | 97.1 | 94.1 | 93.2 | 94.3 | 95.4 | 92.9 | 91.8 | 89.4 | 89.5 | 90.2 | 92.1 | 96.9 | 96.4 |



## Colour parameters

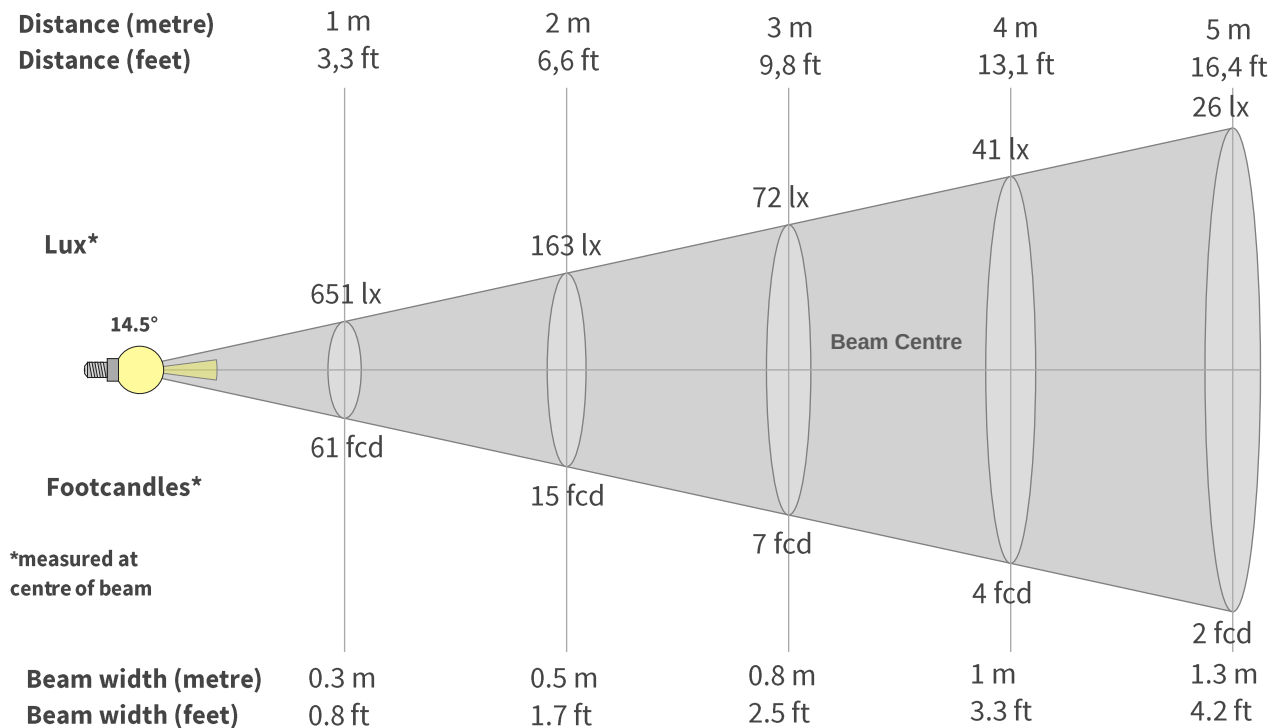
| Colour temperature | Colour rendering index | Red component | Colour fidelity | Colour gamut | Colour quality scale | Colour coordinate cie 1931 | Colour coordinate cie 1931 | Colour coordinate | Colour coordinate | Colour deviation from black body |
|--------------------|------------------------|---------------|-----------------|--------------|----------------------|----------------------------|----------------------------|-------------------|-------------------|----------------------------------|
| CCT                | CRI                    | CRI R9        | TM30 Rf         | TM30 Rg      | CQS                  | x                          | y                          | u                 | v                 | $\Delta uv$                      |
| 2744 K             | 96.7                   | 98.0          | 95.9            | 100.5        | 92.9                 | 0.461                      | 0.417                      | 0.260             | 0.353             | 0.0024                           |

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## Beam details



### 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 |
| 651lx   | 163lx   | 72lx   | 41lx   | 26lx   | 18lx   | 13lx   | 10lx   | 8lx    | 7lx    | 5lx    | 5lx    | 4lx    | 3lx    | 3lx    | 3lx    | 2lx    | 2lx    | 2lx    | 2lx    |
| 60.5fcd | 15.1fcd | 6.7fcd | 3.8fcd | 2.4fcd | 1.7fcd | 1.2fcd | 0.9fcd | 0.7fcd | 0.6fcd | 0.5fcd | 0.4fcd | 0.4fcd | 0.3fcd | 0.3fcd | 0.2fcd | 0.2fcd | 0.2fcd | 0.2fcd | 0.2fcd |

The data presented in this document is generated using a popular combination of colour temperature and lens using a 350mA driver. We can provide data for all combinations of colour temperatures, drivers and lens options available for a specific fitting – please contact us for these details.

When information is requested for a specific combination there may be a short delay in supplying this as it may require us to set up a testing procedure for that particular combination. We will advise at the time of request how long it will take to supply the data.

Power figures provided have been generated based on the voltage and current to the fitting only and do not allow for any losses due to the driver. We measure this way because our fittings can be used with a variety of different drivers and are loaded differently. These driver variations affect the power factor and efficiency which distorts the figure provided for power consumption.

UFO recommend that a tolerance of +/-5% should be applied to all figures presented on these datasheets due to variances that can occur between different components. For example there may be slight ambient temperature variations during measuring or some slight variations in LED modules through the bin.