

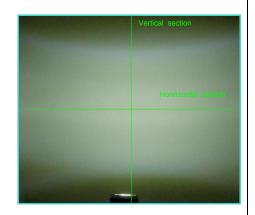
TECHNICAL DETAIL & LAB TEST REPORT

FEATURES AND PATTERN

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RECTANGULAR LENS - 30° HALF ANGLE - Part number C-001

| Lens Reference | DBM17A-30F-L100W-1 | | | |
|-----------------------|----------------------------------|--|--|--|
| Tested with LED | Citizen Orion CL-L100 Cool White | | | |
| LED Flux vendor data | 245 Lumens at 350 mA and Ta=25°C | | | |
| HAD* | 30 deg | | | |
| Curve Type | FLAT | | | |
| Lens Material | PMMA HT | | | |
| Operating temperature | -40°C+110°C | | | |
| 17.9 | | | | |



OPTICAL EFFICIENCY

LED Flux*: 210 Lumens Collected Flux*: 193 lumens Collection Efficiency: 92%

OUTPUT DISTRIBUTION

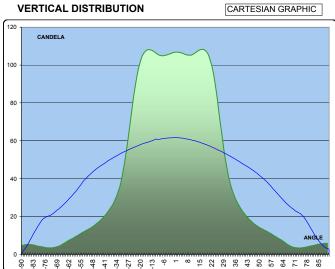
-Driving Current: 350 mA

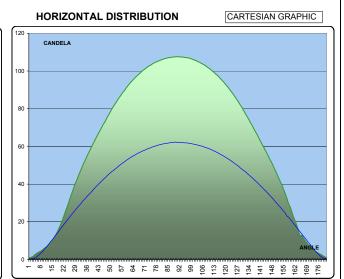
-LED without lens:

-Ta= 25°C

-LED + LENS:

VERTICAL DISTRIBUTION





ILLUMINANCE

LED + LENS lab measurement

-Driving Current: 350 mA

-Ta= 25°C

| IN AXIS ILLUMINANCE VALUES AT VARIOUS DISTANCES | | | | |
|---|---------|--------|--------|--|
| RANGE | 1.0 m | 2.0 m | 3.0 m | |
| ILLUMINANCE | 107 Lux | 27 Lux | 12 Lux | |
| MULTIPLICATOR RATE LED+LENS / LED ONLY | 1.6 X | | | |

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^{*}Ta=25°C, 350mA, Captured view: (-90°;+90°) horizontal and vertical. Measurements of the Led and Led+Lens done in the same conditions.