



|                  |                       |                    |                  |                    |              |
|------------------|-----------------------|--------------------|------------------|--------------------|--------------|
| <b>Luminaire</b> |                       | <b>Measurement</b> |                  | <b>Lamp</b>        |              |
| Code             | JEE.5312.057.02       | Code               | JEE_5312_058.LDT | Code               | JEE.531x.057 |
| Name             | Flux LED 1x31W LED nw | Name               | INCASSO LED 31W  | Number             | 1            |
| Line             | CIVIC Flux LED        | Date               | 12-12-2014       | Position           |              |
| Efficiency       | 100.38%               | Coordinate system  | C-G              | Total Flux         | 2750.00 lm   |
| Maximum value    | 653.30 cd/klm         | Position           | C=0.00 G=0.00    | Double Symmetrical |              |

**UGR**  
S = 0.250

| Reflectancies   |                  |      |      |      |      |                |      |      |      |      |
|-----------------|------------------|------|------|------|------|----------------|------|------|------|------|
| Ceiling/Cavity  | 0.7              | 0.7  | 0.5  | 0.5  | 0.3  | 0.7            | 0.7  | 0.5  | 0.5  | 0.3  |
| Walls           | 0.5              | 0.3  | 0.5  | 0.3  | 0.3  | 0.5            | 0.3  | 0.5  | 0.3  | 0.3  |
| Working Plane   | 0.2              | 0.2  | 0.2  | 0.2  | 0.2  | 0.2            | 0.2  | 0.2  | 0.2  | 0.2  |
| Room Dimensions | Viewed Crosswise |      |      |      |      | Viewed Endwise |      |      |      |      |
| x=2H y=2H       | 21.5             | 22.6 | 21.8 | 22.8 | 23.1 | 21.6           | 22.6 | 21.9 | 22.8 | 23.1 |
| x=2H y=3H       | 22.3             | 23.2 | 22.6 | 23.5 | 23.8 | 22.3           | 23.3 | 22.6 | 23.5 | 23.8 |
| x=2H y=4H       | 22.6             | 23.5 | 22.9 | 23.7 | 24.0 | 22.6           | 23.5 | 22.9 | 23.7 | 24.0 |
| x=2H y=6H       | 22.7             | 23.6 | 23.1 | 23.8 | 24.2 | 22.8           | 23.6 | 23.1 | 23.9 | 24.2 |
| x=2H y=8H       | 22.8             | 23.6 | 23.1 | 23.9 | 24.2 | 22.8           | 23.6 | 23.2 | 23.9 | 24.2 |
| x=2H y=12H      | 22.8             | 23.6 | 23.2 | 23.9 | 24.3 | 22.9           | 23.6 | 23.2 | 23.9 | 24.3 |
| x=4H y=2H       | 22.1             | 23.0 | 22.4 | 23.2 | 23.5 | 22.1           | 23.0 | 22.4 | 23.2 | 23.5 |
| x=4H y=3H       | 23.0             | 23.7 | 23.4 | 24.1 | 24.4 | 23.0           | 23.8 | 23.4 | 24.1 | 24.4 |
| x=4H y=4H       | 23.4             | 24.0 | 23.8 | 24.4 | 24.7 | 23.4           | 24.0 | 23.8 | 24.4 | 24.7 |
| x=4H y=6H       | 23.6             | 24.2 | 24.0 | 24.5 | 25.0 | 23.7           | 24.2 | 24.1 | 24.6 | 25.0 |
| x=4H y=8H       | 23.7             | 24.2 | 24.1 | 24.6 | 25.1 | 23.8           | 24.3 | 24.2 | 24.7 | 25.1 |
| x=4H y=12H      | 23.7             | 24.2 | 24.2 | 24.6 | 25.1 | 23.8           | 24.3 | 24.2 | 24.7 | 25.1 |
| x=8H y=4H       | 23.6             | 24.1 | 24.0 | 24.5 | 24.9 | 23.6           | 24.1 | 24.0 | 24.5 | 24.9 |
| x=8H y=6H       | 23.9             | 24.3 | 24.3 | 24.7 | 25.2 | 23.9           | 24.4 | 24.4 | 24.8 | 25.2 |
| x=8H y=8H       | 24.0             | 24.4 | 24.5 | 24.8 | 25.4 | 24.1           | 24.5 | 24.6 | 24.9 | 25.4 |
| x=8H y=12H      | 24.1             | 24.4 | 24.6 | 24.9 | 25.5 | 24.2           | 24.5 | 24.7 | 25.0 | 25.5 |
| x=12H y=4H      | 23.6             | 24.0 | 24.0 | 24.4 | 24.9 | 23.6           | 24.0 | 24.0 | 24.4 | 24.9 |
| x=12H y=6H      | 23.9             | 24.3 | 24.4 | 24.7 | 25.2 | 24.0           | 24.3 | 24.4 | 24.8 | 25.2 |
| x=12H y=8H      | 24.1             | 24.4 | 24.6 | 24.8 | 25.4 | 24.1           | 24.4 | 24.6 | 24.9 | 25.4 |