# TCW060



## TCW060 1xTL-D36W HF

TCW060 - 1 pc - MASTER TL-D - 36 W - Electronic high-frequency

Designed for use in demanding environments, TCW060 is an economical, compact waterproof luminaire. Dedicated versions are available for TL-D and TL5 lamps.Ingress-protected to a level of IP65 and operating solely on electronic gear, this is a competitive energy-saving solution for wet spaces – at the same cost as an electromagnetic solution. A flexible ceiling clip facilitates easy installation and maintenance.

## Product data

### • General Information

| | |
|---|---|
| Number of light sources | 1 [ 1 pc] |
| Lamp family code | TL-D [ MASTER TL-D] |
| Lamp power | 36 W |
| Kombipack | - |
| Gear | HF [ Electronic high-frequency] |
| Optical cover/lens type | PCP [ Polycarbonate bowl/cover prismatic] |
| Emergency lighting | No [ -] |
| Connection | SI [ Screw connection block] |
| Glow-wire test | 650/5 [ Temperature 650 °C, duration 5 s] |
| Country version | NO [ Norway] |
| CE mark | CE mark |
| Product Family Code | TCW060 [ TCW060] |

### • Operating and Electrical

| | |
|---|---|
| Input voltage | 220 to 240 V |

### • Mechanical and Housing

| | |
|---|---|
| Fixation point length distance (nom.) | 900 mm |

### • Approval and Application

| | |
|---|---|
| Ingress protection code | IP65 [ Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK08 [ 5 J vandal-protected] |

### • Application Conditions

| | |
|---|---|
| Suitable for random switching | No |

### • Product Data

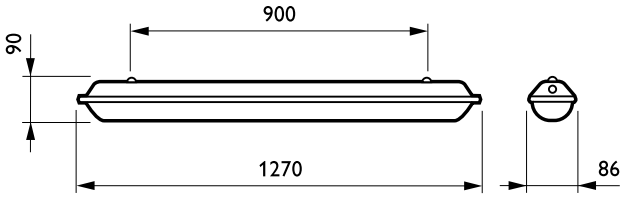
| | |
|---|---|
| Full product code | 871155981379099 |
| Order product name | TCW060 1xTL-D36W HF |
| EAN/UPC – product | 8711559813790 |
| Order code | 81379099 |
| Numerator – quantity per pack | 1 |
| Numerator – packs per outer box | 9 |
| Material no. (12NC) | 910503610818 |
| Net weight (piece) | 1.880 kg |

CE 650°C IP65 IK08

PHILIPS

# TCW060

## Dimensional drawing

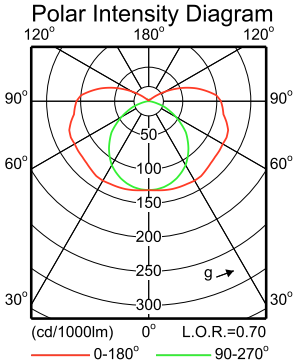



## Photometric data

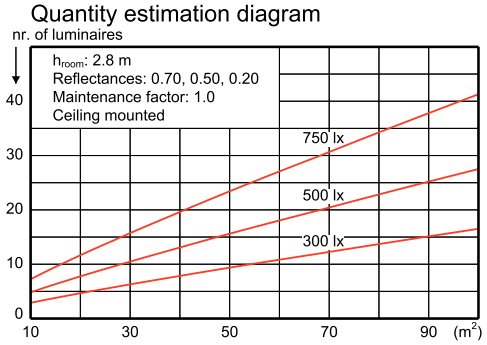
TCW060 1xTL-D36W HF

1 x 3350 lm

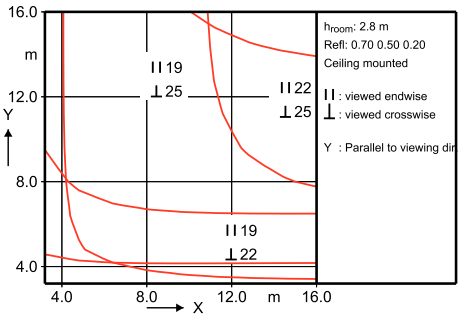
### Polar Intensity Diagram




### Quantity estimation diagram




### UGR diagram




| | |
|---|---|
| Light output ratio | 0.70 |
| Service upward | 0.12 |
| Service downward | 0.58 |
| CIE flux code | 33 60 83 83 70 |
| S/H ratio crosswise | max. 2.1 |
| lengthwise | max. 1.7 |
| UGRcen (4Hx8H, 0.25H) | 24 |
| UTE71-121: | 0.58H + 0.12T |

### Utilisation factor table

| Room Index k | Reflectances (%) for ceiling, walls and working plane (CIE) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.80 | 0.80 | 0.70 | 0.70 | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | 0.30 | 0.00 | |
| | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.30 | 0.30 | 0.10 | 0.30 | 0.10 | 0.00 | |
| | 0.30 | 0.10 | 0.30 | 0.20 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.00 | |
| 0.60 | 0.28 | 0.26 | 0.27 | 0.26 | 0.25 | 0.20 | 0.19 | 0.15 | 0.18 | 0.15 | 0.12 | |
| 0.80 | 0.34 | 0.32 | 0.33 | 0.32 | 0.31 | 0.25 | 0.24 | 0.20 | 0.22 | 0.19 | 0.16 | |
| 1.00 | 0.40 | 0.37 | 0.38 | 0.37 | 0.35 | 0.30 | 0.28 | 0.24 | 0.26 | 0.23 | 0.20 | |
| 1.25 | 0.45 | 0.41 | 0.43 | 0.41 | 0.40 | 0.34 | 0.32 | 0.28 | 0.30 | 0.27 | 0.23 | |
| 1.50 | 0.50 | 0.45 | 0.47 | 0.45 | 0.43 | 0.38 | 0.36 | 0.32 | 0.33 | 0.30 | 0.26 | |
| 2.00 | 0.56 | 0.50 | 0.54 | 0.51 | 0.48 | 0.44 | 0.41 | 0.37 | 0.38 | 0.35 | 0.31 | |
| 2.50 | 0.61 | 0.54 | 0.58 | 0.55 | 0.52 | 0.48 | 0.45 | 0.41 | 0.42 | 0.39 | 0.35 | |
| 3.00 | 0.64 | 0.56 | 0.61 | 0.58 | 0.54 | 0.50 | 0.47 | 0.44 | 0.44 | 0.42 | 0.38 | |
| 4.00 | 0.69 | 0.60 | 0.66 | 0.61 | 0.58 | 0.54 | 0.51 | 0.49 | 0.48 | 0.46 | 0.41 | |
| 5.00 | 0.72 | 0.62 | 0.68 | 0.64 | 0.60 | 0.57 | 0.54 | 0.51 | 0.50 | 0.48 | 0.44 | |

Ceiling mounted

### Luminance Table

| Plane / Cone | 0.0 | 45.0 | 90.0 |
|---|---|---|---|
| 45.0 | 3669 | 3479 | 3388 |
| 50.0 | 3740 | 3364 | 3265 |
| 55.0 | 3878 | 3268 | 2960 |
| 60.0 | 4041 | 3371 | 2662 |
| 65.0 | 4316 | 3578 | 2313 |
| 70.0 | 4569 | 3650 | 2020 |
| 75.0 | 4748 | 3697 | 1376 |
| 80.0 | 4963 | 3984 | 866 |
| 85.0 | 5493 | 4382 | 553 |
| 90.0 | 6220 | 5177 | 910 |

(cd/m2)

LVW1587600

2012-05-04

IFGU1_TCW060 1xTL-D36W HF.EPS

## Photometric data

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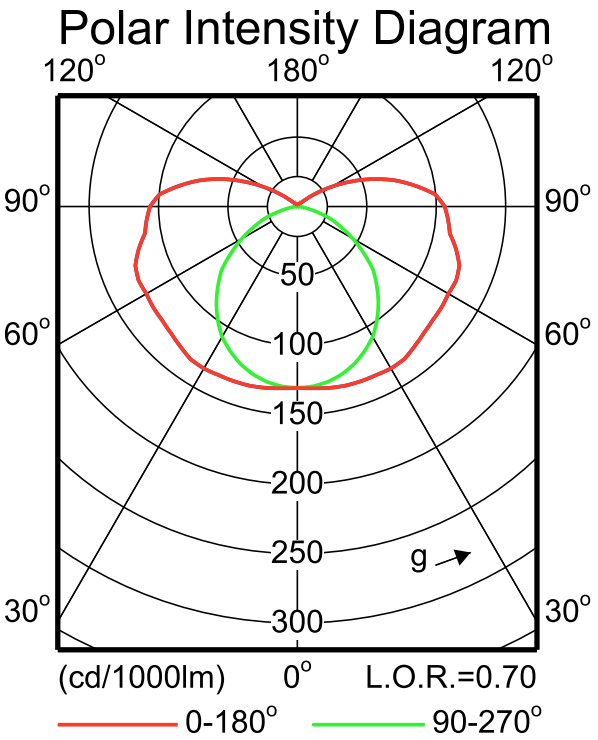


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2012-05-04

IFPC1_TCW060 1xTL-D36W HF.EPS

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