

# TCW060

## TCW060 2xTL-D36W HF



TCW060 - 2 pcs - 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 | 2 pcs                              |
| Lamp family code        | TL-D [ MASTER TL-D]                |
| Lamp power              | 36 W                               |
| Kombipack               | -                                  |
| Gear                    | HF [ Electronic high-frequency]    |
| Optical cover/lens type | Polycarbonate bowl/cover prismatic |
| Emergency lighting      | -                                  |
| Connection              | Screw connection block             |
| Glow-wire test          | Temperature 650 °C, duration 5 s   |
| Country version         | NO [ Norway]                       |
| CE mark                 | CE mark                            |
| Product family code     | 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 ] vandal-protected] |
|------------------------------|------------------------------|

#### • Application Conditions

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

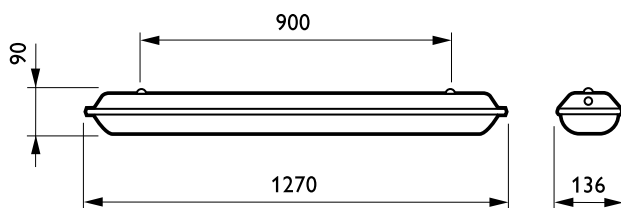
#### • Product Data

|                                 |                     |
|---------------------------------|---------------------|
| Full product code               | 871155981380699     |
| Order product name              | TCW060 2xTL-D36W HF |
| EAN/UPC - Product               | 8711559813806       |
| Order code                      | 910503610918        |
| Numerator - Quantity Per Pack   | 1                   |
| Numerator - Packs per outer box | 6                   |
| Material Nr. (12NC)             | 910503610918        |
| Net Weight (Piece)              | 2.650 kg            |



# PHILIPS

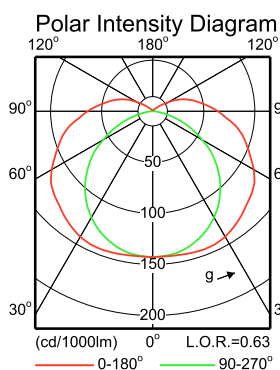
## Dimensional drawing



## Photometric data

## TCW060 2xTL-D36W HF

2 x 3350 lm



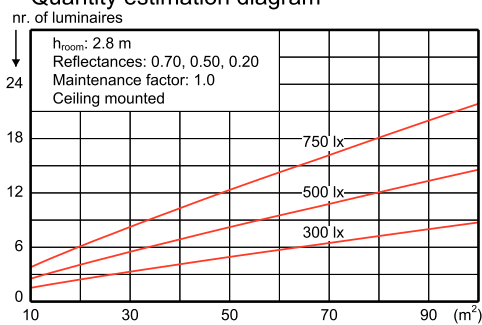
Light output ratio 0.63  
Service upward 0.08  
Service downward 0.55

CIE flux code 37 67 87 88 63

S/H ratio crosswise max. 1.8  
lengthwise max. 1.8

UGRcen (4Hx8H, 0.25H) 25  
UTE71-121: 0.55G + 0.08T

## Quantity estimation diagram

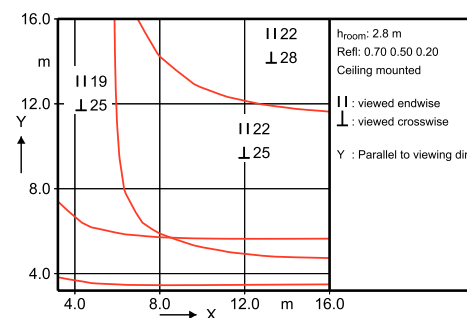


## Utilisation factor table

| 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 | 0.00 |
| 0.60         | 0.80  | 0.50 | 0.50 | 0.50 | 0.50 | 0.30 | 0.30 | 0.10 | 0.30 | 0.10 | 0.00 | 0.00 |
| 0.80         | 0.30  | 0.10 | 0.30 | 0.20 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.00 | 0.00 |
| 1.00         | 0.26  | 0.25 | 0.25 | 0.25 | 0.24 | 0.19 | 0.18 | 0.15 | 0.18 | 0.15 | 0.13 | 0.13 |
| 1.25         | 0.32  | 0.30 | 0.31 | 0.30 | 0.30 | 0.24 | 0.23 | 0.20 | 0.22 | 0.19 | 0.17 | 0.17 |
| 1.50         | 0.38  | 0.35 | 0.36 | 0.35 | 0.34 | 0.29 | 0.28 | 0.24 | 0.26 | 0.23 | 0.21 | 0.21 |
| 2.00         | 0.43  | 0.39 | 0.41 | 0.40 | 0.38 | 0.33 | 0.32 | 0.28 | 0.30 | 0.27 | 0.25 | 0.25 |
| 2.50         | 0.47  | 0.42 | 0.45 | 0.43 | 0.41 | 0.37 | 0.35 | 0.32 | 0.33 | 0.30 | 0.28 | 0.28 |
| 3.00         | 0.53  | 0.47 | 0.51 | 0.48 | 0.46 | 0.42 | 0.40 | 0.37 | 0.38 | 0.35 | 0.32 | 0.32 |
| 3.50         | 0.57  | 0.50 | 0.55 | 0.52 | 0.49 | 0.45 | 0.43 | 0.41 | 0.41 | 0.39 | 0.36 | 0.36 |
| 4.00         | 0.60  | 0.53 | 0.58 | 0.54 | 0.51 | 0.48 | 0.46 | 0.43 | 0.44 | 0.41 | 0.38 | 0.38 |
| 4.50         | 0.64  | 0.56 | 0.61 | 0.57 | 0.54 | 0.51 | 0.49 | 0.47 | 0.47 | 0.45 | 0.41 | 0.41 |
| 5.00         | 0.67  | 0.57 | 0.64 | 0.60 | 0.56 | 0.53 | 0.51 | 0.49 | 0.49 | 0.47 | 0.43 | 0.43 |

Ceiling mounted

## UGR diagram



## Luminance Table

| Plane Cone | 0.0  | 45.0 | 90.0 |
|------------|------|------|------|
| 45.0       | 5348 | 4999 | 4920 |
| 50.0       | 5463 | 4940 | 4719 |
| 55.0       | 5590 | 4812 | 4514 |
| 60.0       | 5632 | 4657 | 4076 |
| 65.0       | 5671 | 4727 | 3714 |
| 70.0       | 5829 | 4761 | 3192 |
| 75.0       | 6113 | 4789 | 2541 |
| 80.0       | 6412 | 4754 | 1636 |
| 85.0       | 6687 | 5254 | 1053 |
| 90.0       | 7480 | 6215 | 1409 |

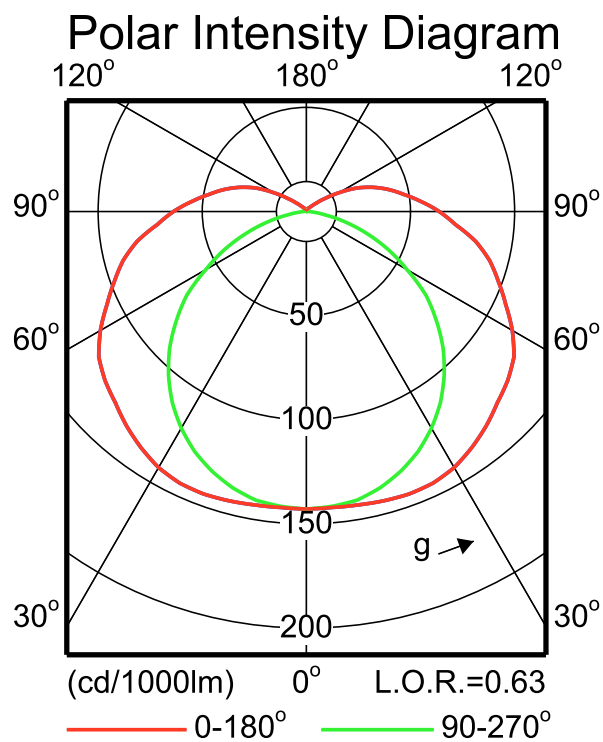
(cd/m<sup>2</sup>)

LVW1580700

2012-05-04

TCW060 2xTL-D36W HF

2 x 3350 lm



LVW1580700

2012-05-04

IFPC1\_TCW060 2xTL-D36W HF.EPS



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data subject to change