



MasterColor CDM-TC T4 Elite

MasterColor CDM-TC T4 Elite 70W/930 1CT

Philips MasterColor CDM Evolution 3000K Tubular Single-EndedT4 Lamp is the next evolution of MasterColor.

Product data

• General Characteristics

| | |
|-------------------------|----------------------------------|
| Base | G8.5 |
| Bulb | T4 [T 14 mm] |
| Bulb Finish | Clear |
| Operating Position | Universal [Any or Universal (U)] |
| Life to 5% failures EL | 9000 hr |
| Life to 10% failures EL | 10000 hr |
| Life to 20% failures EL | 12000 hr |
| Avg. Hrs. Life | 15000 hr |

• Light Technical Characteristics

| | |
|-----------------------------|------------------------|
| Color Code | 930 [CCT of 3000K] |
| Color Rendering Index | 87 (min), 90 (nom) Ra8 |
| Color Designation | Warm White |
| Color Temperature | 3000 K |
| Color Temperature technical | 2970 K |
| Initial Lumens | 7700 Lm |
| Luminous Efficacy Lamp EL | 105 Lm/W |
| Lumen Maintenance EL 2000h | 95 % |
| Lumen Maintenance EL 5000h | 88 % |
| Lumen Maintenance EL 10000h | 83 % |
| Lumen Maintenance EL 12000h | 82 % |
| Design Mean Lumens EL | 6650 Lm |
| Chromaticity Coordinate X | 0.435 - |

Chromaticity Coordinate Y 0.396 -

• Electrical Characteristics

| | |
|-------------------------------|--------------|
| System Power EL | 83 W |
| Watts | 70 W |
| Lamp Wattage EL 25°C, Rated | 73.0 W |
| Lamp Wattage EL 25°C, Nominal | 70.0 W |
| Lamp Voltage | 85 V |
| Lamp Current EL | 0.86 A |
| Ignition Time | 30 (max) s |
| Run-up time 90% | 3 (max) min |
| Re-ignition Time [min] | 15 (max) min |
| Dimmable | No |

• Environmental Characteristics

| | |
|-------------------------------|--------|
| Energy Efficiency Label (EEL) | A+ |
| Mercury (Hg) Content | 6.6 mg |
| Energy consumption kWh/1000h | 80 kWh |

• UV-related Characteristics

| | |
|--------------------------------|---|
| Damage Factor D/fc PET (NIOSH) | 0.2 (nom), 0.3 (max) - 8 (min), 64 (nom) h500lx |
|--------------------------------|---|

• Luminaire Design Requirements

| | |
|-------------------|-------------|
| Pinch Temperature | 350 (max) C |
| Bulb Temperature | 550 (max) C |

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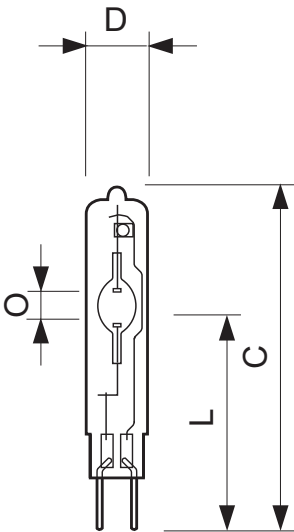
Product Dimensions

| | |
|------------------------------|-----------------------------------|
| Overall Length C | 85 (max) mm |
| Diameter D | 15 (max) mm |
| Light Center Length L | 51 (min), 52 (nom), 53 (max) mm |
| Arc Length O | 7.15 mm |
| Light Center Length L | 2 (min), 2.45 (nom), 2.9 (max) in |
| Max Overall Length (MOL) - C | 3.3 (max) in |
| Diameter D | 0.6 (max) in |

Product Data

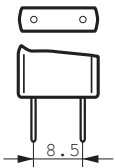
| | |
|--------------------|---|
| Product number | 409177 |
| Full product name | MasterColor CDM-TC T4 Elite 70W/930 1CT |
| Short product name | CDM70/TC/930 ELITE 12PK |
| Pieces per Sku | 1 |
| eop_pck_cfg | 12 |
| Skus/Case | 12 |
| Bar code on pack | 46677409173 |
| Bar code on case | 50046677409178 |
| Logistics code(s) | 928189505115 |
| tpd_ilcos_cd | MT/UB-70/930-H-G8.5-17/85 |
| eop_net_weight_pp | 0.010 kg |

Dimensional drawing



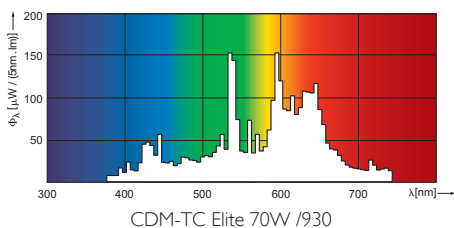
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| Product | C (Max) | D (Max) | L (Min) | L (Norm) | L (Max) | O (Norm) |
|----------------------------|---------|---------|---------|----------|---------|----------|
| CDM-TC ACCENT 70W/930 G8.5 | 85 | 15 | 51 | 52 | 53 | 7.15 |



G8.5

Photometric data





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data subject to change