

The latest CDM innovation with
ultimate sparkle and unbeatable value...



Introducing the new generation MASTERColour CDM Evolution

MASTERColour CDM-T/TC Evolution 20W/35W/930 new generation
Concise technical datasheet

Specs are currently in the 'designed for' status. This means tests are still running for final validation. They might be subject to changes.

PHILIPS
sense and simplicity

MASTERCcolour CDM-T/TC Evolution 20W/35W/930 draft technical datasheet

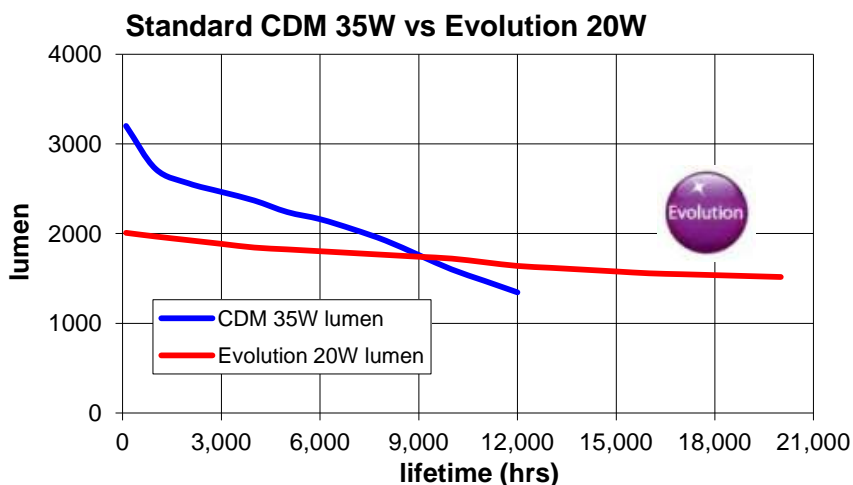
Features

MASTERCcolour CDM Evolution lamps are based on the latest ceramic metal halide technology and have:

- Highest light quality ever with
 - ✓ highest lumen efficacy: 20W=102lm/W, 35W=112lm/W
 - ✓ color rendering = 90, Evolution brings the first 20W with CRI = 90
 - ✓ unique Clean Beam technology
 - ✓ longest lifetime: 20,000h
 - ✓ incredible lumen maintenance at 20k hrs: 78% (35W) and 74% (20W)
- Identical bulb shape with standard lamp foot (G12/G8.5) and can be operated with EL gear only

Benefits

- Best in class for retail lighting:
 - ✓ ultimate crisp white sparkling light attracts customers to stay for longer time
 - ✓ perfectly brings out beautiful colours to make goods look irresistible
 - ✓ Clean Beam makes spot look cleaner; no yellow stains anymore!
 - ✓ reduce number relampings by half(!)
 - ✓ offers simple energy-saving solutions (replace CDM 35W with Evolution 20W to save 48% energy!)
- Quick market introduction with existing luminaires/systems is possible



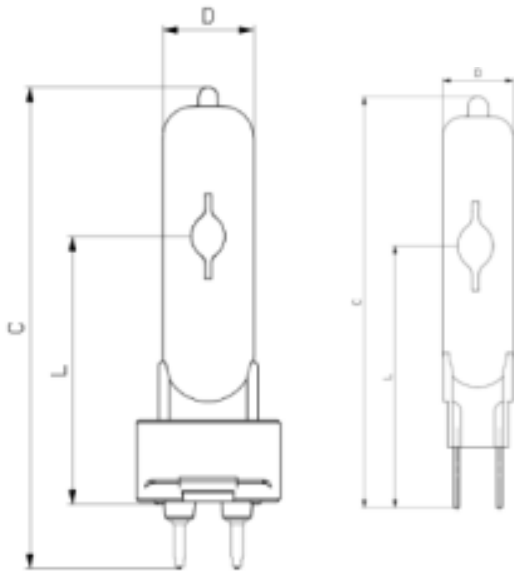
48% energy-saving by replacing CDM 35W with CDM Evolution 20W: same lumens over life and 75% (!) longer life

Application

Perfect for accent lighting, down lighting, shop window displays and general illumination in fashion shops, department stores, supermarkets, etc.

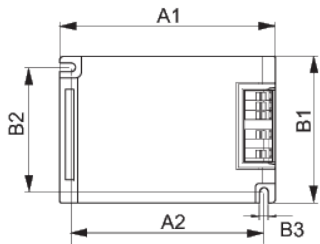
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Dimensions

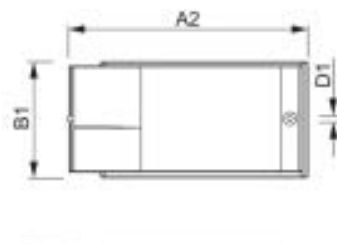


CDM-T Evolution (G12)

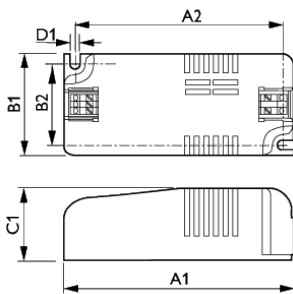
CDM-TC Evolution (G8.5)



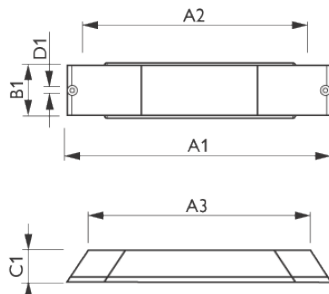
HID-PV-AV C 35W/S



HID-PV-AV C 35W/I



HID-PV m 20-35W/S



HID-PV m 20-35W/I

Dimensions lamp (in mm)	D Max	L Nom	C Max
CDM-T Evolution (G12)	20	56	103
CDM-TC Evolution (G8.5)	15	52	85

Dimensions gear (in mm)	A1	A2	B1	C1	D1
HID-PV m 20-35W / S	97	88	44	30	4.2
HID-PV m 20-35W / I	235	225	50	35	4.8
HID-AV 35W / S	110	98.5	75	63.7	4.5
HID-AV 35W / I	188	170	82.7	34.5	4.8
HID-PV C 35W / S	109	98.5	74.4	32.2	4.9
HID-PV C 35W / I	188	170	82.7	34.5	4.8

System requirements

MASTERCcolour CDM Evolution 20W/35W lamps can only be operated on electronic gear. We advice to use Philips gear like HID-AV for optimal performance.

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Target Specifications



	CDM-T/TC Evolution 20W/930 (target)	CDM-T/TC Evolution 35W/930 (target)
Lamp wattage	20	39
Lumen	2050	4400
Lumen efficacy	102	112
CRI	90	90
R9	10	15
Maintenance 12k hrs	80%	82%
Maintenance 20k hrs	74%	78%
Life survival 10% (hrs)	15k	15k
Life survival 50% (hrs)	20k	20k

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	HID-PV m 20W / I	HID-PV m 20W / S	HID-PV m 35W / S & I	HID-AV C 35W / S & I	HID-PV C 35W / S	HID-PV C 35W / I
Power Factor	> 0,95	> 0,95	> 0,95	> 0,95	> 0,95	> 0,95
Gear losses	4.5W	5W	6W	4W	4.5W	7W
Connectors	0.75 – 1.5 mm ²	0.75 – 1.5 mm ²	0.75 – 1.5 mm ²	0.5 – 2.5 mm ²	0.5 – 2.5 mm ²	0.5 – 2.5 mm ²
Lifetime	40.000 hrs / 90% survivors @ Tc					
TC	80°	80°C	80°C	85°C	80°C	75°C
TA	45°	45°C	45°C	55°C	55°C	45°C

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Preliminary logistic data

Lamp Description	12NC	EOC
MASTERColour CDM-T Evolution 20W/930 G12	9280 647 05177	8718 291 6591 2900
MASTERColour CDM-TC Evolution 20W/930 G8.5	9280 648 05177	8718 291 6592 0400
MASTERColour CDM-T Evolution 35W/930 G12	9280 643 05177	8718 291 6512 1500
MASTERColour CDM-TC Evolution 35W/930 G8.5	9280 644 05177	8718 291 6512 5300
MASTERColour CDM-T/TC Evolution 50W/930	Not ready, to be released in Q3 2013	
MASTERColour CDM-T/TC Evolution 70W/930	Not ready, to be released in Q3 2013	

Gear Description	12NC	EOC
HID-PV m 20 /S CDM HPF 220-240V 50/60Hz (new)	9137 006 96066	8718 291 6715 9600
HID-PV m 20 /I CDM HPF 220-240V 50/60Hz	9137 006 46266	8727 900 8906 0000
HID-PV m 35 /S CDM 220-240V 50/60Hz (new)	9137 006 96166	8718 291 6716 1900
HID-PV m 35 /I CDM 220-240V 50/60Hz	9137 006 53566	8727 900 8916 4500
HID-AV C 35 /S CDM 220-240V 50/60Hz	9137 006 47966	8727 900 8852 5500
HID-AV C 35 /I CDM 220-240V 50/60Hz	9137 006 47666	8727 900 8852 4800
HID-PV C 35 /S CDM 220-240V 50/60Hz	9137 006 52766	8727 900 8596 2100
HID-PV C 35 /I CDM 220-240V 50/60Hz	9137 006 53166	8727 900 8597 3700

For more information, visit:
www.philips.com/mastercolour



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