



Introducing the new generation MASTERColour CDM-TD Essential

MASTERColour CDM-TD Essential 70-150W 3-4K

Technical datasheet.

PHILIPS
sense and simplicity

Features, Benefits & Technical data

Ease of use

- Easy to install, easy to replace, easy to maintain
- Simple replacement of existing MHN or HQI lamps (on EM – EL gear)
- Improvement of quality of light

Excellent light quality

- Good colour representation with a Colour Rendering Index (CRI +80)
- High lumen output and lumen maintenance

Lowest cost of ownership...

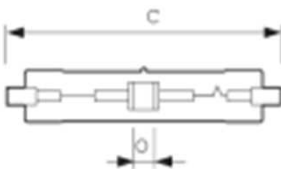
- Long life and high lumen maintenance
- 25% longer life: extended re-lamping cycles

What's new?

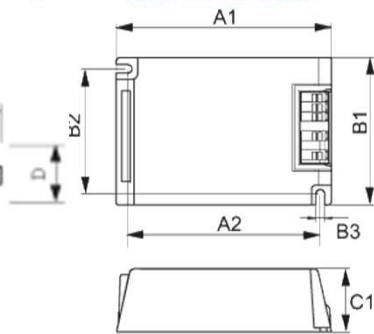
The new CDM-TD Essential lamp comes in both wattages and colour temperatures. This lamp will improve the colour consistency and lifetime (compared to its predecessor MHN and HQI).

Dimensions

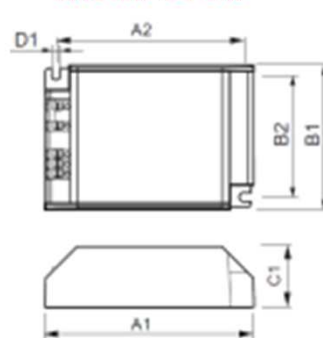
MASTERColour CDM-TD Essential 70W



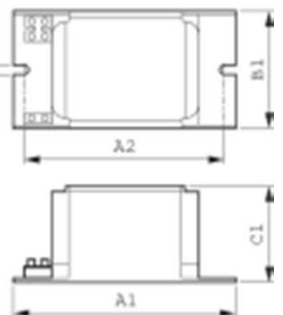
HID-PV C 70W



HID-AV C 70W



BMH 70 K407 ITS S



Dimensions lamp (in mm)	D Max	O	C Max			
CDM-TD Essential 70W (Similar as MHN TD)	22	8	119.63			
Dimensions gear (in mm)	A1	A2	B1	C1	D1	
HID-PV C 70W	110	98.5	75	32	4.5	
HID-AV C 70W	161.7	143	83	32.4	4.8	
BMH 70 K407 ITS	118		61	52	6.2	
SKD 578-S	67.5		40.5	28		

*Not for outdoor applications

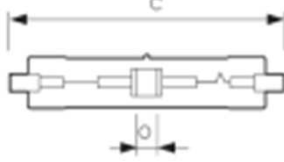
** Only HID PV C 70W

	HID-PV C 70W	HID-AV C 70W *	BMH 70 K407 ITS ***
Power Factor	> 0,95	> 0,95	> 0,85
Gear losses	6.5W	4.5W	13.3W
Connectors	0.75 – 1.5 mm ²	-	1.00-250 mm ²
Lifetime	** 40.000 hrs / 90% survivors @ Tc		
TC	85°C	85°C	-
TA	50°C	55°C	-

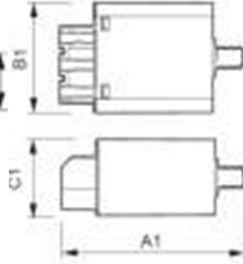
Features, Benefits & Technical data

Dimensions

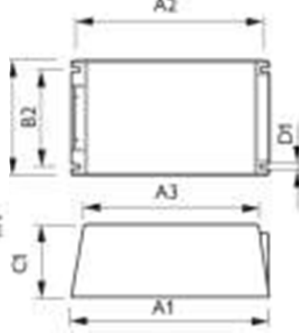
MASTERColour CDM TD
Essential 150W



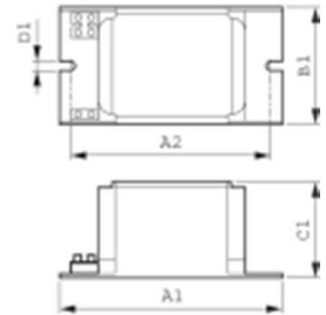
SKD578



HID-PV C 150W/I



BSNE 150 L304 ITS



Dimensions lamp (in mm)	D Max	O	C Max
CDM-TD Essential 150W (Similar as MHN) TD	25	10	137.43

Dimensions gear (in mm)	A1	A2	B1	C1	D1
HID-PV C 70W	110	98.5	75	32	4.5
BSN 150 K407 ITS	134	113	76	65	6.2
SKD 578 - S	67.5		40.5	28	

	HID-PV C 150W *	BSN 150 L407 ITS
Power Factor	> 0,95	> 0,85
Gear losses	-	20W
Connectors	0.50 – 2.5 mm ²	1.00-2.50 mm ²
Lifetime	40 000hrs	-
TC	85°C	-
TA	55°C	-

*Not suitable for outdoor use

Note: if EM gear is used, gear with thermo switch is needed

Technical & Logistics data

Commercial specs

	CDM-TD Essential 70W/830	CDM-TD Essential 70W/842	CDM-TD Essential 150W/830	CDM-TD Essential 150W/842
lumen	6.000	5.600	13.000	13.000
CRI	80	80	80	80
maintenance 10k h	60%	60%	70%	70%
life survival 50% (h)	12k	12k	12k	12k
foot	Rx7s	Rx7s	Rx7s	Rx7s

Ordering data lamp and gear

Naming	12NC = GPC	EOC
MASTERColour CDM-TD Essential 70W/830 RX7s	9280 637 05130	871829121155600
MASTERColour CDM-TD Essential 150W/830 RX7s	9280 638 05130	871829121157000
MASTERColour CDM-TD Essential 70W/842 RX7s	9280 639 05130	871829121159400
MASTERColour CDM-TD Essential 150W/842 RX7s	9280 641 05130	871829121161700
HID-PV 70/I CDM 220-240V 50/60Hz	9137 137 07680	
HID-PV 70/ S CDM 220-240V 50/60Hz	9137 137 06780	
HID-AV 70 /I CDM 220-240V 50/60Hz	9137 006 46566	
HID-AV 70 /S CDM 220-240V 50/60Hz	9137 006 46666	
BMH 70 K407 ITS	9137 002 77026	
BSN 150 K404 ITS	9137 002 77426	
HID-PV 150 /S CDM 220-240V 50/60 Hz	9137 006 58966	
SDK 578 – S 220-240V 50/60Hz	9137 006 66866	

Note: the Essential range will be sold alongside the CDM range. These lamps have a value-for-money proposition.
No change in luminaire is needed!

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



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