

The Philips MASTERColour CDM Elite MW system offers an unrivalled level of light quality and performance. Given these unique combination of properties, it is successfully applied both in outdoor and high bay indoor applications.

Reliability and efficiency – the key for outdoor applications

The MASTERColour CDM Elite MW system offers very high efficiency and lifetime reliability, meeting the critical requirements for outdoor applications. This system also delivers the potential for a substantial reduction in energy consumption, which translates into a lower total cost of ownership.

The range includes both warm and neutral white color temperatures, with a product for every application and preference. White light is ideal for creating a sense of atmosphere and safety in city centers and urban areas, without any compromise on efficiency. Depending on the application, using white light instead of yellow (sodium) light can mean a reduction in the lighting level, lowering power consumption even further while still maintaining the same level of safety, comfort and perceived level of illumination. The CDM Elite MW lamps share these key properties with the CosmoPolis family for outdoor lighting, and as such can be seen as an extension of the CosmoPolis portfolio.

Color quality and consistency for indoor

The lamp's sparkling white light creates a natural ambience and makes all colors look their brightest. The performance remains stable over the long lifetime of the lamp. This 'Elite' color quality makes it surpass other lighting technologies currently used in high bay indoor applications. In addition to brilliant color rendering, the efficiency of the system offers substantial energy saving potential, enabling a good total cost of ownership and short installation payback period.

Anticipating future legislation

Governments face the challenge of minimizing energy consumption and reducing the total cost of ownership, while at the same time maintaining consistent lighting performance. Many countries have already passed legislation requiring outdoor luminaires to incorporate a dimming protocol, and more are expected to follow.

While both 210 W & 315 W CDM Elite MW systems were initially

launched with non-dimmable PrimaVision gear, the 210 W CDM Elite MW system is now also available with a DynaVision DALI Xtreme driver. This driver combines the Xtreme system reliability with a full range of flexible dimming options, suitable for any kind of installation, indoor or outdoor.

Benefits

- High efficiency of both lamp and driver means lower energy consumption – without compromising on light quality
- Long lamp and gear lifetime results in low maintenance and replacement costs
- Excellent color quality and consistent light output throughout the lifetime, for optimal comfort and performance
- Up to 20% reduction in energy use compared to traditional quartz metal halide (HPI) lamps
- 50% smaller than conventional HPI and HPL lamps - freedom in optic and luminaire design
- Sparkling white light create a natural and inviting ambience
- Both warm white and natural white colors to suit all outdoor and indoor applications
- Protected lamp available for critical indoor applications

Applications

- Outdoor
 - floodlighting of building and landmarks
 - roads
 - pedestrian areas
 - public spaces
 - car parks
 - petrol stations
- Indoor
 - large (high bay) retail outlets
 - shopping malls
 - manufacturing facilities

Lamp specifications

Lamp Range:	Power	Light output	Efficacy	Colour rendering index	Color temperature	Service life (90% survivals)	Average life (50% survivals)	Lumen maintenance @ 12k hrs	Protected lamp available
Philips MASTERColour	(W)	(lm)	(lm/W)	(R _a)	(K)	(hrs) ¹	(hrs) ¹	(%)	
CDM Elite MW 210W/930	210	24,200	115	90	3000	12,000	22,000	80	No
CDM Elite MW 315W/930	315	37,800	120	90	3000	20,000	30,000	80	No
CDM Elite MW 210W/942	210	23,100	110	90	4200	16,000	30,000	80	No
CDM Elite MW 315W/942	315	36,200	115	90	4200	12,000	22,000	80	No
CDM Elite MW-P 210W/930	210	23,100	110	90	3000	12,000	20,000	80	Yes
CDM Elite MW-P 315W/930	315	36,200	115	90	3000	12,000	20,000	80	Yes
CDM Elite MW-P 210W/942	210	22,100	105	90	4200	12,000	20,000	80	Yes
CDM Elite MW-P 315W/942	315	34,700	110	90	4200	12,000	20,000	80	Yes

¹ Preliminary data, to be finalized January 2012

Lamp burning position: Universal

Driver specifications

Type	Dimensions LxWxH (mm)	Power losses (W)	Power factor (%)	T ambient (°C)	Tc Life (°C)	Life (90% survivals, at Tc Life) (hrs)	Mains voltage min-max (V)	Drivers per MCB
Philips HID PrimaVision Xt 210W	169x100x58	16	0.98	-30/50	80	80,000	220-240 V	13
Philips HID DynaVision DALI Xt 210W	169x100x58	18	0.95	-30/50	80	80,000	208-277 V	13
Philips HID PrimaVision 315W	215x129x60	25.5	0.95	-20/55	90	50,000	220-240 V	4

Ordering data

Type	Product name	GPC	Ordering code (EOC)	Box quantity
Lamps				
CDM Elite MW 210W/930	MASTERColour CDM-TMW Elite 210W/930 1CT	9286 011 64731	8718291 139508 00	12
CDM Elite MW 315W/930	MASTERColour CDM-TMW Elite 315W/930 1CT	9286 011 64631	8727900 801576 00	12
CDM Elite MW 210W/942	MASTERColour CDM-TMW Elite 210W/942 1CT	9286 011 64931	8718291 139522 00	12
CDM Elite MW 315W/942	MASTERColour CDM-TMW Elite 315W/942 1CT	9286 011 64831	8727900 801781 00	12
CDM Elite MW-P 210W/930	MasterColor CDM-T Elite 210W/930 U 1CT	9286 011 67031	8718291 139546 00	12
CDM Elite MW-P 315W/930	MasterColor CDM-T Elite 315W/930 U 1CT	9286 011 67131	8718291 139560 00	12
CDM Elite MW-P 210W/942	MasterColor CDM-T Elite 210W/942 U 1CT	9286 011 67231	8718291 139584 00	12
CDM Elite MW-P 315W/942	MasterColor CDM-T Elite 315W/942 U 1CT	9286 011 67331	8718291 139607 00	12
Drivers				
Philips HID PrimaVision Xt 210W	HID-PV Xt 210 /S CDM 220-240V 50/60Hz	9137 006 46472	8711500 881175 00	6
Philips HID DynaVision DALI Xt 210W	DV DALI Xt 210 CDMe 208-277V 50/60Hz	9137 006 65366	8718291 127369 00	6
Philips HID PrimaVision 315W	HID-PV 315 /S CDM 220-240V 50/60Hz	9137 006 39466	8711500 880888 00	6



© 2011 Koninklijke Philips Electronics N.V.

All rights reserved. Reproduction in whole or in part is prohibited without the prior written consent of the copyright owner. The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice. No liability will be accepted by the publisher for any consequence of its use. Publication thereof does not convey nor imply any license under patent- or other industrial or intellectual property rights.

Date of release: November 2011 / 3222 635 66777
Data subject to change.