



# Energy Saving Retrofit Kits

Featuring CosmoPolis™ and MasterColor® Elite Electronic Systems

**PHILIPS**



# RETROFIT KITS

Philips Gardco Retrofit Kits are the sustainable choice for updating your outdoor lighting. These kits are the ideal way to equip your existing Gardco luminaires with the most state-of-the-art, high performance ceramic metal halide electronic systems available in the marketplace today. The kits allow for a quick and efficient change-out to the attractive, white light of either the Philips CosmoPolis™ or the MasterColor® Elite electronic lighting systems, saving time, money and most important, energy.

We have designed these kits to provide a simple way to update your existing Gardco luminaires, including the Square and Round Form 10 and Gullwing™ product lines. Everything is supplied to efficiently complete the changeout including a pre-wired ballast tray, and a new optical system, socket assembly and lamp.



## COSMOPOLIS™ AND MASTERCOLOR® ELITE SYSTEMS

Both the CosmoPolis™ and the MasterColor® Elite are metal halide lamps, one of the most trusted lamp sources in the industry. Combining a revolutionary new white light ceramic metal halide lamp and an optimized electronic ballast, these systems maximize performance to offer every advantage for lighting outdoor environments, including improved visibility, enhanced ambiance, long life and low power consumption.

In addition to the added benefit of high-quality white light, energy savings of up to 50% versus existing systems are available, with rated average lamp life of up to 30,000 hours. These kinds of savings make the CosmoPolis™ and the MasterColor® Elite the clear choice for retrofitting.



RECOMMENDED RETROFITS					ANNUAL ENERGY SAVINGS (PER LUMINAIRE)	
EXISTING	SYSTEM WATTS	RETROFIT	SYSTEM WATTS	WATTS SAVED	\$.10/KWH	\$.15/KWH
100HPS	130	60CMPE	67	63	\$ 28	\$ 42
150HPS	190	90CMPE	99	91	\$ 40	\$ 60
250HPS	295	210MCE	225	70	\$ 31	\$ 46
400HPS	465	315MCE	338	127	\$ 56	\$ 84
100MH	129	60CMPE	67	62	\$ 27	\$ 41
150MH	185	90CMPE	99	86	\$ 38	\$ 57
175MH	210	90CMPE	99	111	\$ 49	\$ 73
250MH	291	140CMPE	154	137	\$ 62	\$ 93
400MH	460	210MCE	225	235	\$ 103	\$ 155
400MH	460	315MCE	338	122	\$ 54	\$ 81

\*"CMPE" refers to the CosmoPolis™ system. "MCE" refers to the MasterColor® Elite System. The Prefix number refers to the wattage.

## WHY RETROFIT?

### Retrofitting is less expensive.

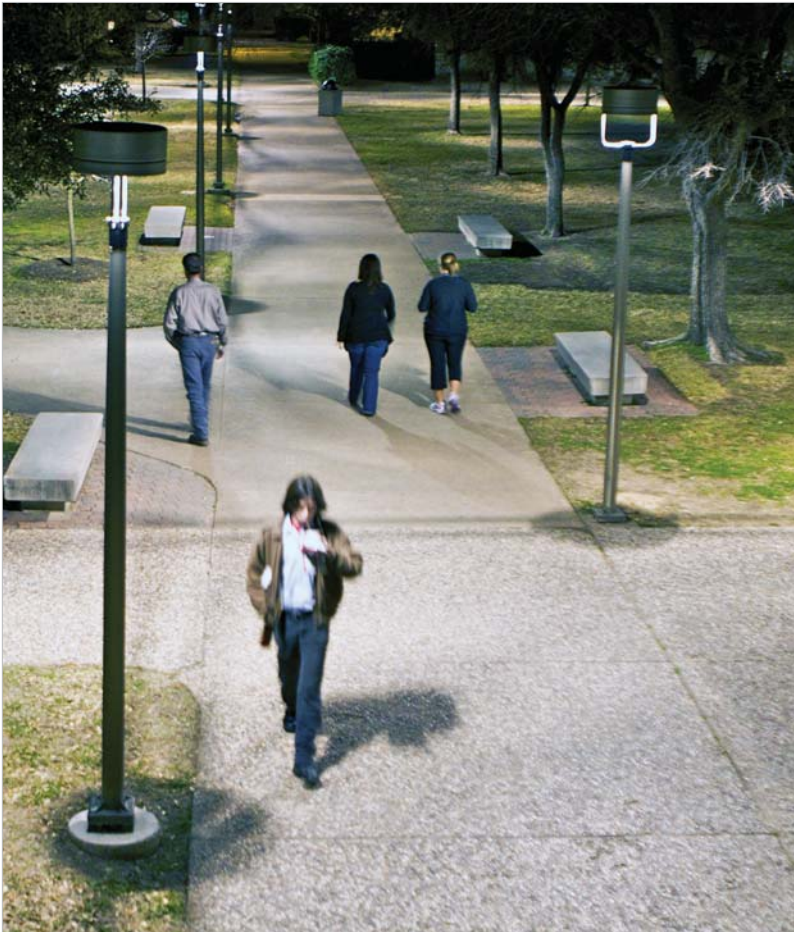
New systems can be up to double the cost of retrofitting. It's the smarter choice to save money, time and labor.

### Reduce your carbon footprint and be more sustainable.

By putting less CO<sub>2</sub> into the air, you're doing your part to help the environment.

### CosmoPolis™ and MasterColor Elite® are a proven technology that the industry knows and trusts.

Priced much lower than LED equivalents, these systems are efficient, environmentally conscious HID lighting solutions for a wide range of outdoor applications.



## INSTALLATION IS EASY...

Retrofitting can take between four and ten minutes per luminaire.



Remove reflector and ballast tray



Install new ballast tray.



Replace reflector and install lamp.

PREFIX	EXISTING LUMINAIRE	DISTRIBUTION	WATTAGE	VOLTAGE	OPTIONS
Example RKCM	G18	4XL	140CMPE	480	L8
<b>RKCM</b>	Refer to Chart Below	<b>SQUARE/ROUND FORM 10 LUMINAIRES</b>	Refer to Chart below for available wattages	<b>120<sup>4</sup></b> <b>200-277</b> <b>347<sup>4</sup></b> <b>480<sup>4</sup></b>	<b>L6<sup>5</sup></b> LumiStep™ 6 hour <b>L8<sup>5</sup></b> LumiStep™ 8 hour <b>L10<sup>5</sup></b> LumiStep™ 10 hour
		<b>HORIZONTAL LAMP</b> I Type I 3 Type III FM Type IV 4X <sup>1</sup> Type IV Q Type V			
		<b>VERTICAL LAMP</b> VS <sup>2</sup> Type I			

### EXISTING LUMINAIRE

ORDER CODE	FOR USE WITH EXISTING LUMINAIRES SHOWN			
	ARM MT	POST TOP	WALL MT	
EH/H14	EH14 H14	JEH14 JH14	BE14 BH14	WE14 WH14
EH/H19	EH19 H19	JEH19 JH19	BE19 BH19	WE19 WH19
C/M17	CA17 MA17	CP17 MP17	CW17 MW17	
C/M22	CA22 MA22	CP22 MP22	CW22 MW22	
G13	G13		G13	
G18	G18		G18	

### WATTAGE

ENERGY SAVING SYSTEM	AVAILABLE WATTAGE BY PRODUCT	EH/H 14" C 17" M 17"	EH/H 19" C 22" M 22"	G13	G18
COSMOPOLIS™	60CMPE	•	•	•	•
	90CMPE	•	•	•	•
	140CMPE	•	•	•	•
MASTERCOLOR® ELITE	210MCE-3K <sup>6</sup> ⓔ		•		See Note 7
	210MCE-4K <sup>6</sup> ⓔ		•		See Note 7
	315MCE-3K <sup>6</sup> ⓔ		•		See Note 7
	315MCE-4K <sup>6</sup> ⓔ		•		See Note 7

Systems marked with a dot "•" are available for ordering.

6. "-3K" indicates lamp is 3000°K color temperature, "-4K" indicates lamp is 4200°K color temperature.  
7. New Gullwing™ G18 luminaires are available with MasterColor® Elite systems. Existing G18 luminaires may be retrofit with CosmoPolis systems, but are not suitable for retrofit with MasterColor® Elite systems, at this time.

### GULLWING™ G13/G18 LUMINAIRES

#### HORIZONTAL LAMP

I<sup>3</sup> Type I  
2XL Type III  
3XL Type IV  
4XL Type IV  
Q<sup>3</sup> Type V  
BLC<sup>3</sup> Backlight Control

1. Available for 19" Square Form 10 or 22" Round Form 10 only.

2. Luminaire must currently have a sag lens.

3. Available for Gullwing™ G18 only.

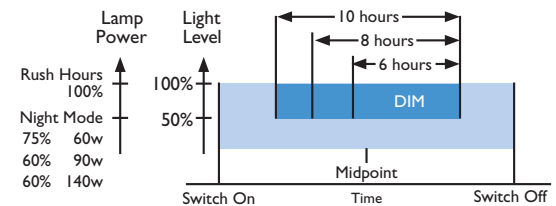
4. 120V, 347V and 480V input require and include an auxiliary transformer.

5. See "Added Savings with LumiStep™" below for description.

### ADDED SAVINGS WITH LUMISTEP™

The CosmoPolis™ system offers a step dimming capability with three possible dimming times of 6, 8 or 10 hours with the LumiStep™ feature. The ballast will dim the 60W lamp to 75% of lamp power and the 90 and 140W lamps to 60% lamp power. The ballast calculates the mid-point of the evening, which is the starting point for 6 hour LumiStep™ and will dim the lamp for 6 hours before returning to full light output. The 8 and 10 hour LumiStep™ models will begin their dimming at 2 and 4 hours before the midpoint respectively. Available only with 60CMPE, 90CMPE or 140CMPE wattages.

#### LumiStep™ Dimming Profile



1611 Clovis Barker Road  
San Marcos, TX 78666  
512/753-1000  
800/227-0758  
Fax: 512/753-7855  
sitelighting.com

### Philips Gardco Warranty

Gardco Retrofit Kits feature a 5 year limited warranty on CosmoPolis™ ballasts, a 3 year limited warranty on MasterColor® Elite ballasts and a 2 year limited warranty on lamps for both systems. For full warranty information please visit sitelighting.com.



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