

**PHILIPS**



Site & Area

Form Ten LED

H/EH14L & H/EH19L square series



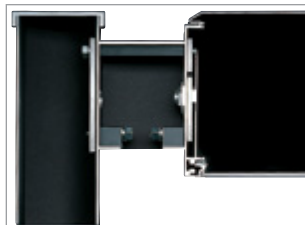
# LED performance that is **squarely on the mark**

**The Philips Gardco Form Ten LED square area luminaires** are a homage to the original form.

In 1969, Philips Gardco changed outdoor area illumination forever when it introduced the first full cutoff luminaire – the Form Ten Square. Today, the shape that started it all redefines itself for a new generation by incorporating state-of-the-art, high performance LEDs.



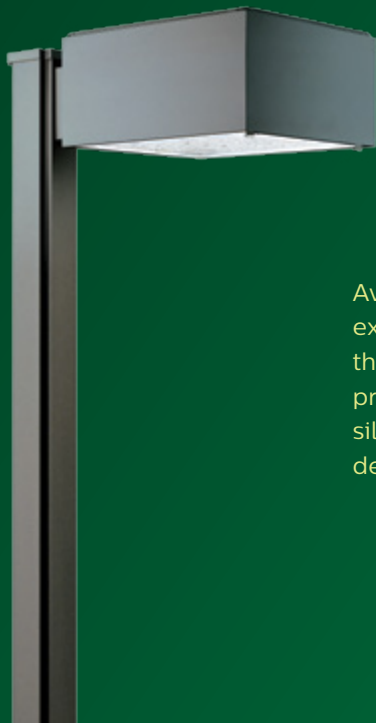
**Construction:** Available in two distinct housing construction styles. The "EH" utilizes rugged aluminum extrusions with mitered corners and allows for anodized finishes. The "H" is constructed of formed aluminum and is available with painted finishes.



**Mounting:** The double-nut-through-bolt makes it impossible to misalign the luminaire and pole. Note the integrity of the internal construction and aluminum extrusions, which provide remarkable strength-to-weight ratios.



**Rotatable Optics:** Philips Gardco pioneered the rotatable optics concept – enabling pole orientation and light distribution to be independent of one another. It also enables reorientation of the optical system, should traffic patterns change.



# Being square is back in fashion

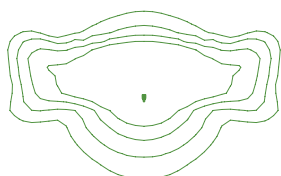
Available in 14" and 19" pole and wall mounted configurations, the Philips Gardco extruded (EH) and formed (H) LED luminaires retain the features and benefits that made them industry leaders in site lighting. Visually appealing half cube proportions, toolless access to the optics and driver assembly, memory retentive silicone gasketing and rotatable optics are but a few of the qualities that helped define the industry leader.

## The shape that started it all has performance to spare

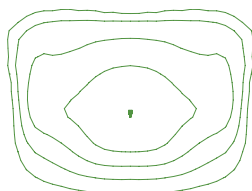
The main area where Philips Gardco luminaires excel is in performance. The Form Ten Square luminaire employs a sophisticated high output Class 1 LED array system that delivers one of four unique distribution patterns. This system delivers increased light output and a longer lifespan than conventional HID sources, while consuming a small fraction of the energy. Improved visibility, higher efficiency and compact size mean that fewer luminaires are needed to light areas to desired levels, resulting in substantial savings and reduced environmental impact in both the short and long term.

**These LED systems use up to 50% less energy than traditional outdoor lighting systems and generally lower energy expenses by up to 40% in comparison to most systems being used today.**

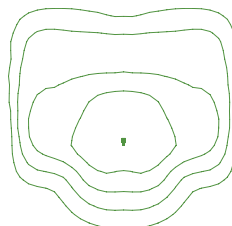
Philips Gardco's Applications Engineering Department is ready to assist you with site lighting examination and development.



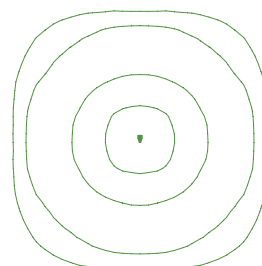
Type II Distribution



Type III Distribution



Type IV Distribution

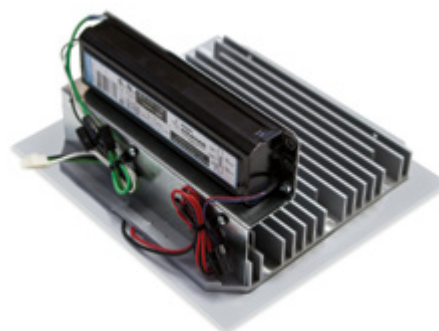


Type V Distribution

### Retrofit Kits

**Do you currently have Form Ten Square luminaires on your site?** Retrofit Kits are an easy way to supply your pre-existing luminaires with high performance LED arrays. These kits permit a simple and efficient changeout, saving time, cost and energy.

The kits include everything required to completely convert the standard Form Ten Square to any of the offered LED wattages and distributions. This includes a new reflector pan outfitted with LED arrays and integral driver(s).





## Mounting options



Shown with  
**AR3** Arm Mount

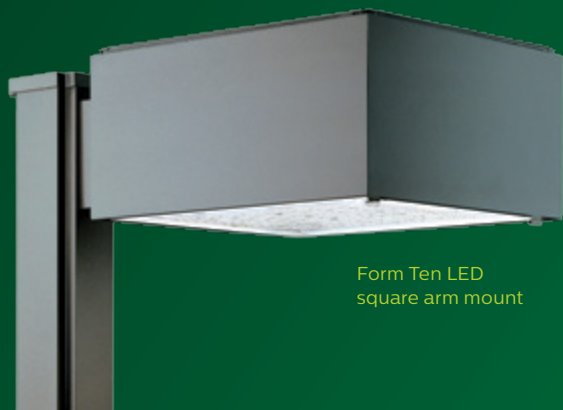


Shown with  
**MA** Mast Arm Fitter



Shown with  
**WM1** Wall Mount





Form Ten LED  
square arm mount

## Form Ten LED square arm mount

- Traditional styling with benefits of LED energy savings.
- Provides up to 50% energy savings over HID.
- Two distinct housing sizes available in 14" and 19"
- Maintains uniform illumination for improved visibility.
- LED retrofit kits available for existing Form 10 installations.
- Toolless access to driver compartment and optical chamber.

### Ordering guide

example: EH14L-32L-450-NW-G2-AR1-2-120-DD-F1-HIS-MGY

Prefix	Number of LEDs	Drive Current	LED Color - Generation	Mounting	Distr.	Voltage	Controls	Electrical	Luminaire	Finish
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>EH14L</b> 14" Square Extruded Luminaire LED	<b>32L</b> 32 LEDs	<b>450</b> 450mA	<b>NW-G2</b> Neutral White 4000K, 70CRI Generation 2	<b>Arm Mounts</b> <b>AR1</b> for 3"-4.5" round pole	<b>2</b> Type 2	<b>120</b> 120V	<b>DD</b> 0-10V Dimming Driver	<b>Fusing</b> <b>F1</b> Single (120, 277, 347VAC)	<b>HIS</b> Internal House Side Shield	<b>EH Style</b> <b>BRA</b> Bronze Anodized <b>BLA</b> Black Anodized <b>NA</b> Natural Anodized <b>H or EH Style</b> <b>BK</b> Black paint <b>BZ</b> Bronze paint <b>WH</b> White paint <b>MGY</b> Medium Gray paint <b>Customer specified (EH only)</b> <b>RAL</b> Specify optional color (ex: RAL7024) <b>CC</b> Custom color (Must supply color chip for required factory quote)
<b>H14L</b> 14" Square Fabricated Luminaire LED	<b>48L</b> 48 LEDs	<b>700</b> 700mA	<b>WW-G2</b> Warm White 3000K, 70CRI Generation 2	<b>AR2</b> for 4.5"+ round pole	<b>3</b> Type 3	<b>208</b> 208V	<b>Photoelectric/Receptacle Systems (Twist Lock Receptacle)</b>	<b>F2</b> Double (208, 240, 480VAC)		
<b>EH19L</b> 19" Square Extruded Luminaire LED	<b>48L</b> 48 LEDs	<b>900</b> 900mA	<b>CW-G2</b> Cool White 5700K, 70CRI Generation 2	<b>AR3</b> for square pole	<b>4</b> Type 4	<b>240</b> 240V	<b>TLRD5</b> Twist Lock Receptacle 5 Pin	<b>F3</b> Canadian Double Pull (208, 240, 480VAC)		
<b>H19L</b> 19" Square Fabricated Luminaire LED	<b>96L</b> 96 LEDs	<b>560</b> 560mA		<b>Wall Mount</b> <b>WM1</b> with arm <b>WM2</b> without arm <b>Mast Arm Fitter</b> <b>MA</b> Mounts to a 2-3/8" O.D. mast arm	<b>5</b> Type 5	<b>277</b> 277V	<b>TLRPC</b> Twist Lock Receptacle with Photocell	<b>Pole Mount Fusing</b> <b>FP1</b> Single (120, 277, 347VAC) <b>FP2</b> Double (208, 240, 480VAC) <b>FP3</b> Canadian Double Pull (208, 240, 480VAC)		
						<b>UNV</b> 120-277V 50hz/60hz <b>HVU</b> 347-480V 50hz/60hz		<b>Surge Protection</b> <b>SP1</b> Standard 10KVA <b>SP2</b> Increased 20KVA		

### Retrofit kit ordering guide

Prefix	Number of LEDs	Drive Current	LED Color - Generation	Distr.	Voltage	Controls	Electrical
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>EH/H14L-RK</b> 14" Square Retrofit Kit	<b>32L</b> 32 LEDs	<b>450</b> 450mA	<b>NW-G2</b> Neutral White 4000K, 70CRI Generation 2	<b>2</b> Type 2	<b>120</b> 120V	<b>DD</b> 0-10V Dimming Driver	<b>Surge Protection</b> <b>SP1</b> Standard 10KVA <b>SP2</b> Increased 20KVA
<b>EH/H19L-RK</b> 19" Square Retrofit Kit	<b>48L</b> 48 LEDs	<b>900</b> 900mA	<b>WW-G2</b> Warm White 3000K, 70CRI Generation 2	<b>3</b> Type 3	<b>208</b> 208V		
	<b>96L</b> 96 LEDs	<b>560</b> 560mA	<b>CW-G2</b> Cool White 5700K, 70CRI Generation 2	<b>4</b> Type 4	<b>240V</b> 120-277V 50hz/60hz <b>277V</b> 277V <b>HVU</b> 347-480V 50hz/60hz		



Prior to ordering, consult specification sheets on [www.philips.com/luminaires](http://www.philips.com/luminaires) for the most current information, notes, and exclusions.

© 2017 Philips Lighting Holding B.V. All rights reserved.  
Philips reserves the right to make changes in specifications and/or to discontinue any product at any time without notice or obligation and will not be liable for any consequences resulting from the use of this publication.  
[philips.com/luminaires](http://philips.com/luminaires)



Philips Lighting, North America Corporation  
200 Franklin Square Drive, Somerset, NJ 08873  
Tel. 855-486-2216

Philips Lighting Canada Ltd.  
281 Hillmount Rd, Markham, ON, Canada L6C 2S3  
Tel. 800-668-9008