Classic Styles with the benefits of LED

Gardco Form Ten LED round area luminaires are a natural complement to their rectilinear counterparts. Architecturally, the series lends itself to an extensive variety of building motifs, permitting the designer to choose to draw attention to the luminaire or to have it gracefully fade into the surroundings. By incorporating state-of-the-art, high performance LEDs, these luminaires provide the classic shapes desired today together with the energy saving advantages of LED.

Construction: The housing is a one-piece spun aluminum design with a rolled reveal that improves structural and aesthetic integrity. Architectural Class 1 anodizing or polyester powdercoat finishes are available.

Clean Material Transitions: The yoke of the post top models echo the shape of the luminaire and seamlessly transitions into the housing. All hardware is recessed and hidden from normal viewing angles.

Rotatable Optics: The LED optic pan is fully field rotatable, enabling distribution and pole orientation to be completely independent of one another. It also allows for reorientation of the optical system should site requirements change.

CAL / MAL   Form Ten LED

Round series

## Classic forms embrace a contemporary source

Available in both the 17" and 22" sizes, the Form Ten Round LED luminaires are offered in two styles - the domed top "M" series and the cylindrical "C" series. Both models preserve the features and benefits that make them industry leaders in site illumination. A one-piece, die cast aluminum door frame contains a heat and impact resistant glass lens and is fully gasketed with memory-retentive, hollow core silicone rubber. The lens and optical pan hinges down by loosening a captive stainless steel screw. The driver assembly is prewired with quick disconnects and simply dismounts for service or replacement.

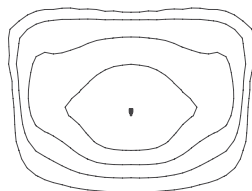## Form Ten Round LED revolves around high performance

Where Gardco luminaires ultimately stand out is in optical performance. The Form Ten Round luminaires make use of an advanced high output Class 1 LED array system providing one of four distinctive distribution patterns. This system presents improved light output and a longer lifespan than standard HID sources while consuming a small percentage of the energy. Enhanced visibility and greater efficiency means that fewer luminaires are required to light areas to preferred levels, producing considerable savings and reducing the environmental impact both in 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.
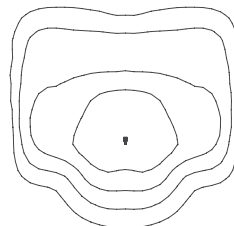
Gardco's Applications Engineering Department is ready to assist you with site lighting examination and development.
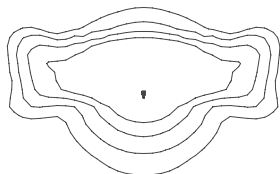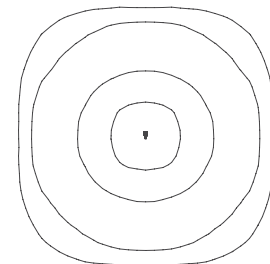
|			
Type II Distribution	**Type III Distribution**	**Type IV Distribution**	**Type V Distribution**

Retrofit Kits

Do you currently have Form Ten Round luminaires on your site?
Retrofit Kits are an easy way to supply your 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 Round to any of the offered LED wattages and distributions. This includes a new reflector pan outfitted with LED arrays and integral driver(s).

Form Ten LED round arm mount
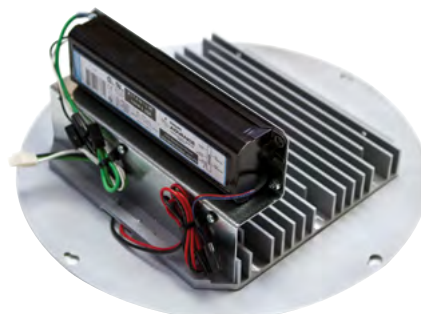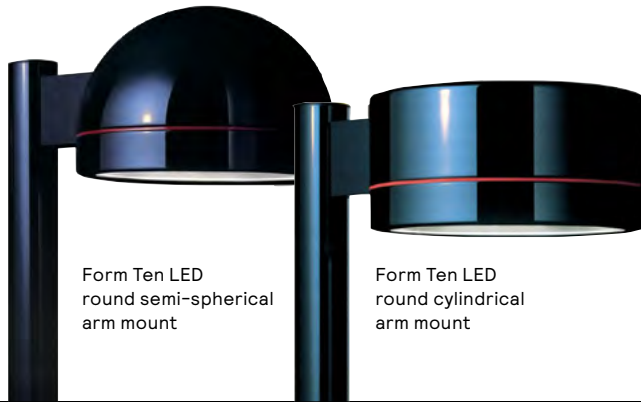
Form Ten LED round semi-spherical arm mount

Form Ten LED round cylindrical arm mount

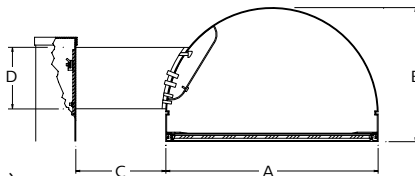- Available in both the 17" and 22" sizes.

- Offered in domed top "M" series and cylindrical "C" series.

- Provides up to 40% energy savings over HID.

- Maintains uniform illumination for improved visibility.

- LED retrofit kits available for existing Form 10 installs.

- Toolless access to driver compartment and optical chamber.
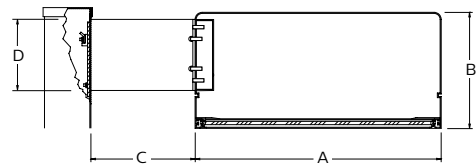
Ordering guide

example: CA17L-32L-450-NW-G2-AR1-2-120-DD-F1-HIS-BK

| Prefix	Number of LEDs	Drive Current	LED Color – Generation	Mounting	Distr.	Voltage	Controls	Electrical	Luminaire	Finish
CA17L 17" Cylindrical Luminaire LED **MA17L** 17" Semi-Spherical Luminaire LED **CA22L** 22" Cylindrical Luminaire LED **MA22L** 22" Semi-Spherical Luminaire LED	**32L** 32 LEDs **48L** 48 LEDs **48L** 48 LEDs **96L** 96 LEDs	**450** 450mA **900** 900mA **700** 700mA **900** 900mA **560** 560mA **650** 650mA	**NW-G2** Neutral White 4000K, 70CRI Generation 2 **WW-G2** Warm White 3000K, 70CRI Generation 2 **CW-G2** Cool White 5700K, 70CRI Generation 2	**Arm mounts** **AR1** for 3"-4.5" round pole **AR2** for 4.5"+ round pole **AR3** for square pole **Wall mount** **WM1** with arm **WM2** without arm **Mast Arm Fitter** **MA** Mounts to a 2-3/8"" O.D. mast arm	**2** Type 2 **3** Type 3 **4** Type 4 **5** Type 5	**120** 120V **208** 208V **240** 240V **277** 277V **347** 347V **480** 480V **UNV** 120-277V 50hz/60hz **HVU** 347-480V 50hz/60hz	**DD** 0-10V Dimming Driver **Photoelectric/ Receptacle Systems** (Twist Lock Receptacle) **TLRD5** Twist Lock Receptacle 5 Pin **TLRPC** Twist Lock Receptacle with Photocell	**Fusing** **F1** Single (120, 277, 347VAC) **F2** Double (208, 240, 480VAC) **F3** Canadian Double Pull (208, 240, 480VAC) **Pole Mount Fusing** **FP1** Single (120, 277, 347VAC) **FP2** Double (208, 240, 480VAC) **FP3** Canadian Double Pull (208, 240, 480VAC) **Surge Protection** **SP1** Standard 10KVA **SP2** Increased 20KVA	**HIS** Internal House Side Shield	**BRA** Bronze Anodized **BLA** Black Anodized **NA** Natural Anodized **BK** Black paint **BZ** Bronze paint **WH** White paint **MGY** Medium Gray paint **Customer specified** **RAL** (ex: RAL7024) Specify optional color **CC** Custom color (Must supply color chip for required factory quote)

Dimensions and EPA

MA style (above)

Size	A	B	C	D	EPA Single	EPA Twin	EPA Quad	Weight Single
MA17	17" 43.2cm	11" 27.9cm	5" 12.7cm	5" 12.7cm	.8ft² .07m²	1.6ft² .15m²	2.3ft² .21m²	27lbs. 12.25kg
MA22	22" 55.9cm	14" 35.6cm	7" 17.8cm	5" 12.7cm	1.3ft² .12m²	2.7ft² .25m²	3.7ft² .34m²	40lbs. 18.14kg

CA style (above)

Size	A	B	C	D	EPA Single	EPA Twin	EPA Quad	Weight Single
CA17	17" 43.2cm	8" 20.3cm	5" 12.7cm	5" 12.7cm	.7ft² .07m²	1.5ft² .14m²	2.1ft² .20m²	27lbs. 12.25kg
CA22	22" 55.9cm	11" 27.9cm	7" 17.8cm	5" 12.7cm	1.2ft² .11m²	2.3ft² .21m²	3.3ft² .31m²	42lbs. 19.05kg

CP style (next page)
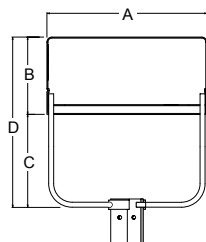
Size	A	B	C	D	EPA Single	Weight Single
CP17	17" 43.2cm	8" 20.3cm	10" 25.4cm	18" 45.3cm	.7ft² .07m²	31lbs. 14.06kg
CP22	22" 55.9cm	11" 27.9cm	11" 27.9cm	22" 55.9cm	1.0ft² .09m²	50lbs. 22.68kg

MP style (next page)
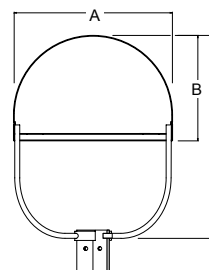
Size	A	B	C	D	EPA Single	Weight Single
MP17	17" 43.2cm	11" 27.9cm	10" 25.4cm	21" 53.3cm	.7ft² .07m²	31lbs. 14.06kg
MP22	22" 55.9cm	14" 35.6cm	11" 27.9cm	25" 63.5cm	1.0ft² .09m²	50lbs. 22.68kg

Prior to ordering, consult specification sheets on **gardcolighting.com** for the most current information, notes, and exclusions.

Form Ten LED round post top

Form Ten LED Round
Semi-Spherical
and Cylindrical
post top

- Available in both the 17" and 22" sizes.
- Offered in domed top "M" series and cylindrical "C" series.
- Provides up to 40% energy savings over HID.
- Maintains uniform illumination for improved visibility.
- LED retrofit kits available for existing Form 10 installs.
- Toolless access to driver compartment and optical chamber.

Ordering guide

example: CP17L-32L-450-NW-G2-P11-2-120-DD-F1-HIS-BK

Prefix	Number of LEDs	Drive Current	LED Color – Generation	Mounting	Distr.	Voltage	Controls	Electrical	Luminaire	Finish
CP17L 17" Cylindrical Luminaire LED **MP17L** 17" Semi-Spherical Luminaire LED	**32L** 32 LEDs	**450** 450mA **900** 900mA	**NW-G2** Neutral White 4000K, 70CRI Generation 2 **WW-G2** Warm White 3000K, 70CRI Generation 2	P11 P12 P21 P22 P31 P32 P33 P41 P42 P43	**2** Type 2 **3** Type 3 **4** Type 4 **5** Type 5	**120** 120V **208** 208V **240** 240V **277** 277V	**DD** 0-10V Dimming Driver **Photoelectric/ Receptacle Systems** (Twist Lock Receptacle)	**Fusing** **F1** Single (120, 277, 347VAC) **F2** Double (208, 240, 480VAC) **F3** Canadian Double Pull (208, 240, 480VAC)	**HIS** Internal House Side Shield	**BRA** Bronze Anodized **BLA** Black Anodized **NA** Natural Anodized **BK** Black paint **BZ** Bronze paint
	48L 48 LEDs	**700** 700mA	**CW-G2** Cool White 5700K, 70CRI Generation 2	T14 T15 T16		**347** 347V	**TLRD5** Twist Lock Receptacle 5 Pin	**Pole Mount Fusing** **FP1** Single (120, 277, 347VAC)		**WH** White paint **MGY** Medium Gray paint
CP22L 22" Cylindrical Luminaire LED **MP22L** 22" Semi-Spherical Luminaire LED	**48L** 48 LEDs **96L** 96 LEDs	**900** 900mA **560** 560mA **650** 650mA		T24 T25 T26 T34 T35 T36 T37 T44 T45 T46 T47		**480** 480V **UNV** 120-277V 50hz/60hz **HVU** 347-480V 50hz/60hz	**TLRPC** Twist Lock Receptacle with Photocell	**FP2** Double (208, 240, 480VAC) **FP3** Canadian Double Pull (208, 240, 480VAC) **Surge Protection** **SP1** Standard 10KVA **SP2** Increased 20KVA		**Customer specified** **RAL** (ex: RAL7024) Specify optional color **CC** Custom color (Must supply color chip for required factory quote)

Retrofit kit ordering guide

Prefix	Number of LEDs	Drive Current	LED Color – Generation	Distr.	Voltage	Controls	Electrical
CA/MA17L–RK or **CP/MP17L–RK** 17" Cylindrical or Semi-Spherical Retrofit Kits	**32L** 32 LEDs	**450** 450mA **900** 900mA	**NW-G2** Neutral White 4000K, 70CRI Generation 2 **WW-G2** Warm White 3000K, 70CRI Generation 2	**2** Type 2 **3** Type 3 **4** Type 4 **5** Type 5	**120** 120V **347** 347V **208** 208V **480** 480V **240** 240V **UNV** 120-277V 50hz/60hz **277** 277V **HVU** 347-480V 50hz/60hz	**DD** 0-10V Dimming Driver	**Surge Protection** **SP1** Standard 10KVA **SP2** Increased 20KVA
CA/MA22L–RK or **CP/MP22L–RK** 22" Cylindrical or Semi-Spherical Retrofit Kit	**48L** 48 LEDs **96L** 96 LEDs	**900** 900mA **560** 560mA	**CW-G2** Cool White 5700K, 70CRI Generation 2				

Prior to ordering, consult specification sheets on **gardoclighting.com** for the most current information, notes, and exclusions.

The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract.

Signify