C I R C A

A R E A L I G H T I N G

GARDCO
LIGHTING

SCOPE

Circa makes an understated, refined statement that reflects well on the architecture it graces. Circa post top, pole mounted and companion sconce luminaire surfaces are rhythmically sculpted – eased and tapered so that wind and weather slip past. The sleek profile of these luminaires, while available in two arm-mounted styles, a post top and a matching sconce, features shallow depth and low EPA. The daytime form virtually disappears at a distance. With its trademark halo, Circa unifies architecture, prominently welcoming and gracefully enhancing the site. Specify Circa without the halo ring for a more subtle yet thoroughly modern look.

The Circa sconce and post top luminaires add considerable versatility to the series.

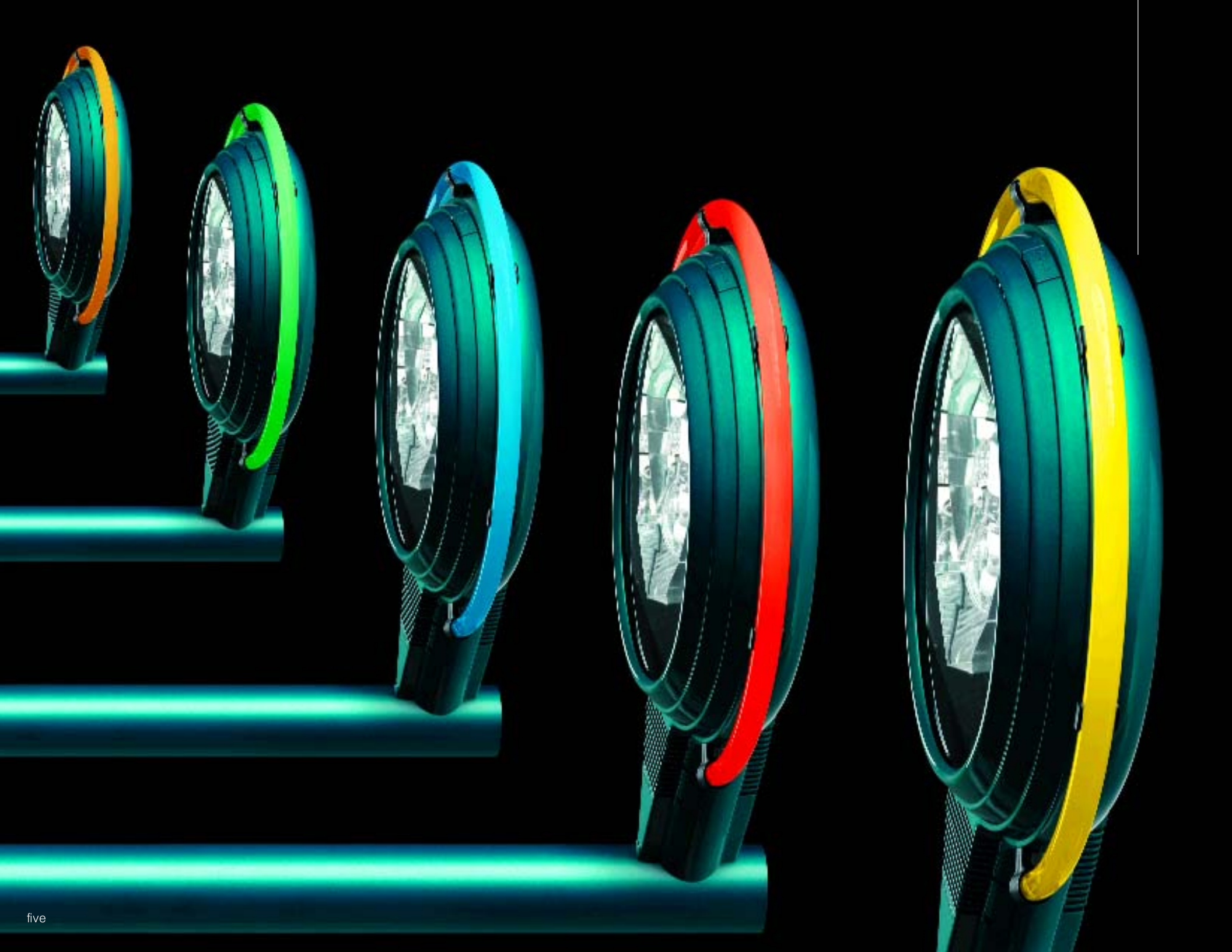
The Circa sconce offers forward, wide and medium throw optics up to 175 watts.

Like all Gardco performance optics, illumination is both glare free and full cutoff.

Post top optics provide a variety of practical distributions appropriate for pedestrian environments. Note the absence of visible hardware, a Circa trademark.

ELECTRIFYING COLOR

If Circa is the most striking, unique and captivating luminaire in recent memory, then the addition of the electrifying, colorful LED ring secures its place as a contemporary design milestone. This is a new frontier, empowering lighting designs to make a bold, striking statement or one that is subtle and suggestive. The result is always unifying, always compelling, always memorable.



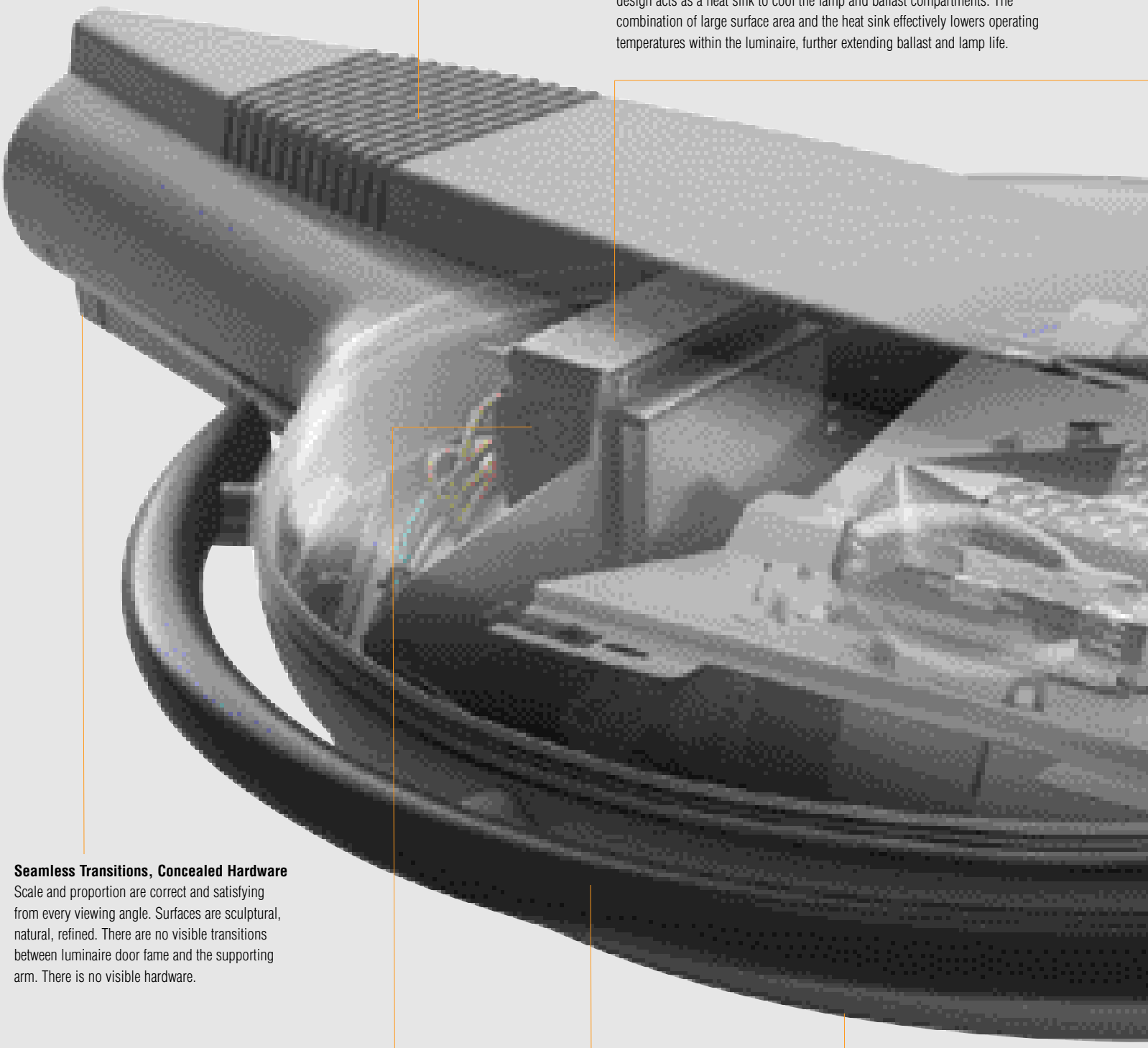
FORM

Circa draws strength from simplicity of form. The subtle elimination of the mounting arm allows Circa an uninterrupted transition from luminaire to pole or mast arm. The striking effect is that the luminaire and arm become one. But this design serves practical purposes as well – minimizing wind load and strengthening the assembly. Note that Circa may also be specified as shown above without the adornment ring, for a more conservative appearance.

CONSTRUCTION

Circa's slender, delicate form conceals components and hardware that are all business.

Circa harnesses the wind across fins cast into the top of the luminaire. This design acts as a heat sink to cool the lamp and ballast compartments. The combination of large surface area and the heat sink effectively lowers operating temperatures within the luminaire, further extending ballast and lamp life.



Seamless Transitions, Concealed Hardware
Scale and proportion are correct and satisfying from every viewing angle. Surfaces are sculptural, natural, refined. There are no visible transitions between luminaire door fame and the supporting arm. There is no visible hardware.

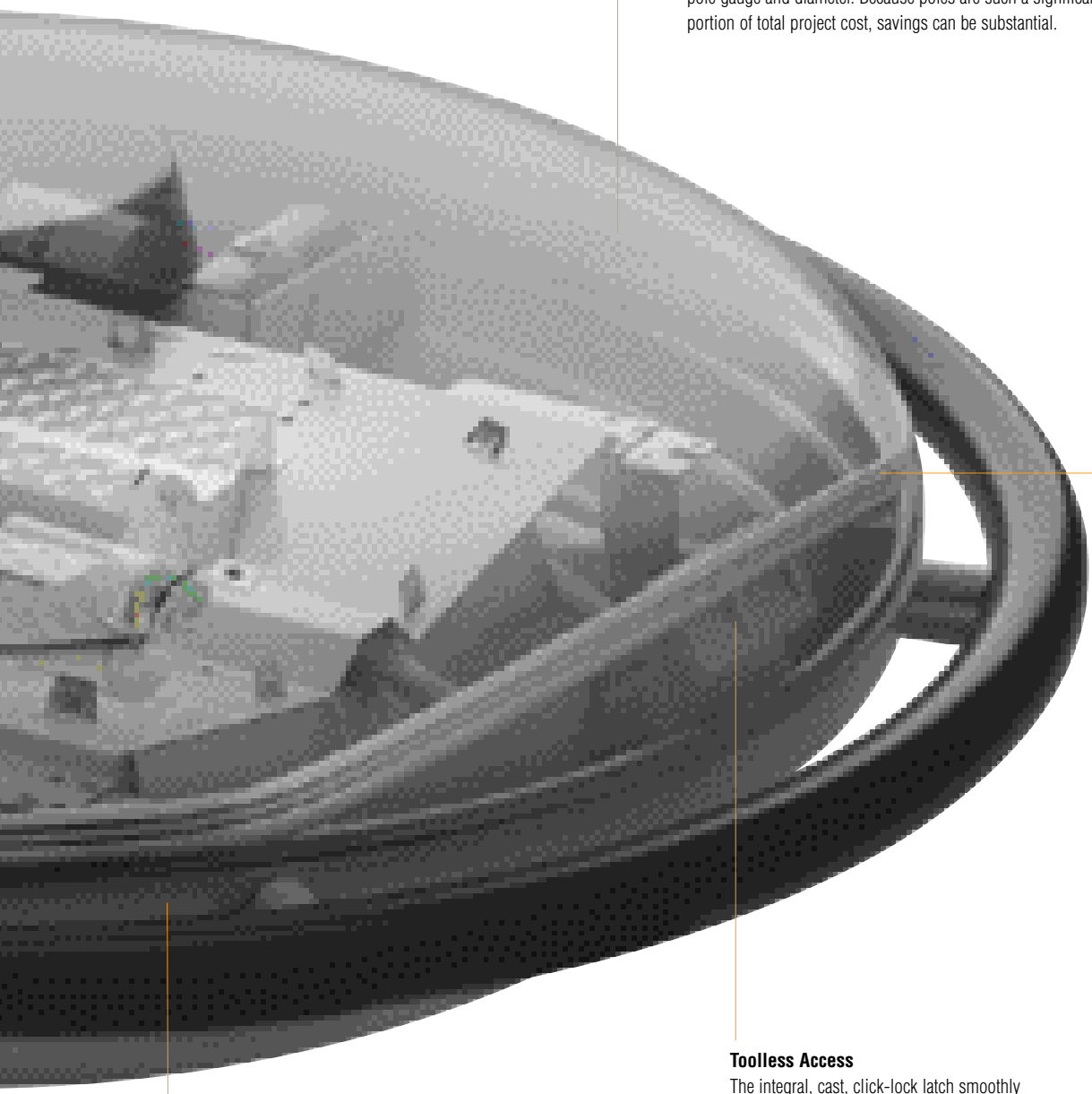
The arrangement of components, hardware, hinging mechanisms and material transitions all speak to the integrity of the design and construction program.

The signature Circa halo, in stainless steel, aluminum painted to match or accent, or electrified in a range of rich colors.

The underside of the lens is silkscreened black to mask interior components and hardware during the day.

Separate ballast and lamp compartments serve to reduce the effects of temperature extremes, maximizing component life.

Wind-Cheating Aerodynamics
Circa cheats the wind – its slippery silhouette yields an exceptionally low coefficient of drag and correspondingly low EPA values. The immediate benefit is the ability to reduce pole gauge and diameter. Because poles are such a significant portion of total project cost, savings can be substantial.



Weather-Protected Construction
Circa is completely sealed at all points of material transition to exclude the intrusion of rain, insects and dust. Because the upper and lower housings are single die castings, the only points of entry are the door frame and lens. When the door frame is closed, the 1/8" gasketing is compressed, forming a continuous, positive seal. The lens is EPDM sealed to the frame. Heavy duty galvanized steel retainers secure the lens.

Toolless Access
The integral, cast, click-lock latch smoothly integrates into the face of the door frame. The mechanical closing mechanism assures that the gasket seals tightly and continuously.

Long-Lasting Finishes
The finish is a fade and abrasion resistant, electrostatically applied, thermally cured TGIC powdercoat. Circa housings are thoroughly cleaned and chromate acid treated prior to paint application. Standard colors feature the lightly textured Gardco finish. Custom colors may vary in texture, so please consult factory.

SERVICE

All Circa luminaires feature factory pre-wired electrical components with quick disconnect plugs. The optical system and ballast assembly features unitized, pre-wired components, and both hinge on stainless steel mounting brackets. They are completely removable without tools.

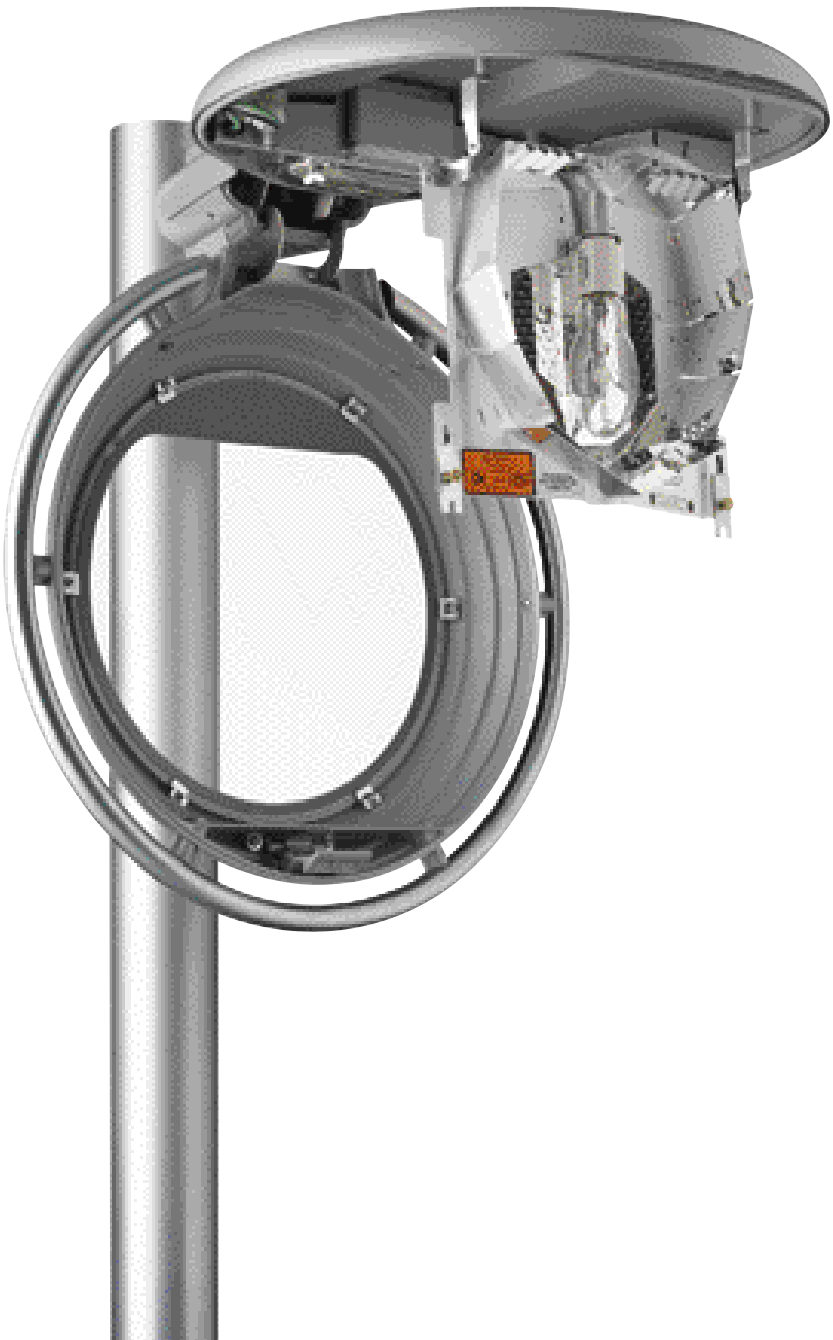
Toolless access for installation and service is a Gardco design imperative. Circa improves on the tradition with a quick entry door handle, providing complete access to optical, electrical and mounting hardware systems. The latch firmly engages as the door is closed, creating a weather-tight seal by compressing the perimeter gasketing.

By day the LED ring appears clear to white, depending on viewing angle. The adornment ring is also available in stainless steel or painted aluminum.

The dramatic LED option is available on Circa pole mount and sconce luminaires.

108 CIRCA SCONCE

Component design, construction quality, ease of installation and service of both post top and pole mounted luminaires and matching sconces set new industry standards.



The die cast ribbed back plate helps to dissipate heat from the electrical components.

The luminaire installs easily. The mounting plate is affixed to wall, splices are made and luminaire is secured to plate.

Electrical components are mounted to the die cast back plate. All units are pre-wired and factory tested prior to shipment.

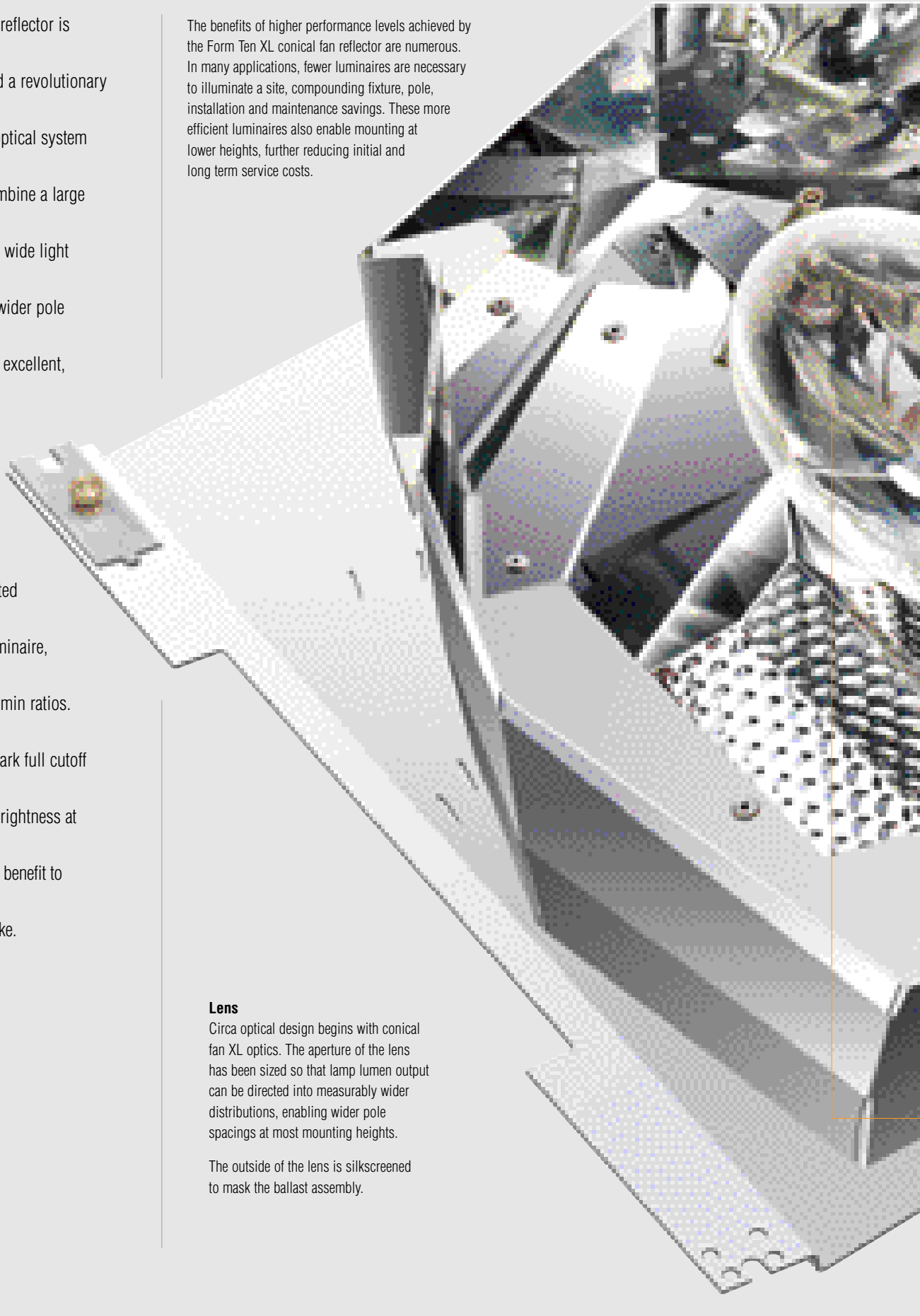
The die cast door frame is secured with two captive stainless steel fasteners and hinges for easy relamping.

The die cast housing is completely sealed at all points of material transition to thoroughly exclude moisture and insects.

OPTICS

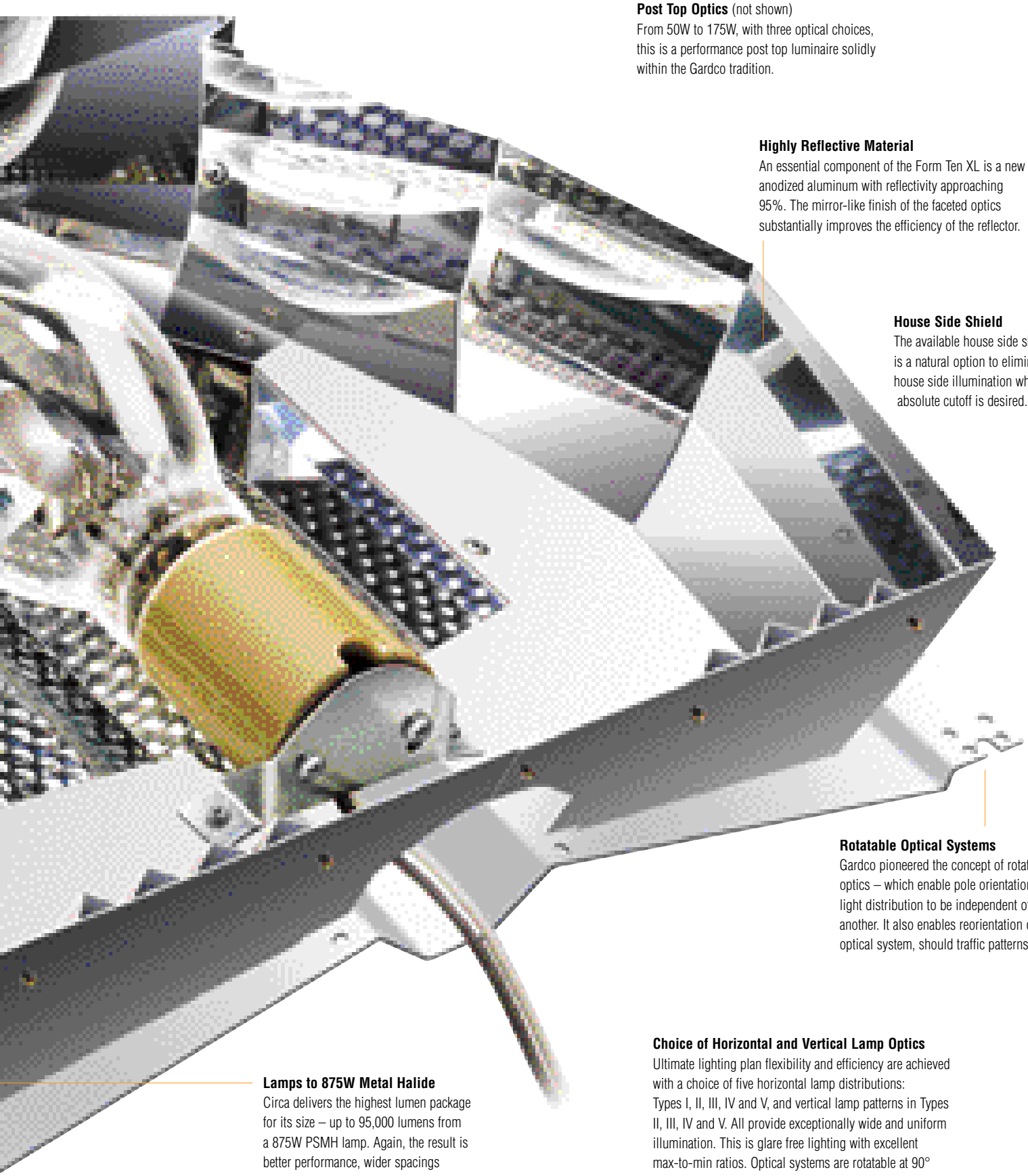
The Form Ten XL conical reflector is Circa's heart and soul and a revolutionary advance in performance optical system design. The XL optics combine a large lens aperture that enables wide light distribution and, in turn, wider pole spacing. Lumen output is excellent, a result of the conical fan design which wraps the lamp with faceted reflectors. Output is directed out and away from the luminaire, further benefiting max-to-min ratios. Of course, Gardco trademark full cutoff optics control glare and brightness at normal viewing angles – a benefit to drivers and pedestrians alike.

The benefits of higher performance levels achieved by the Form Ten XL conical fan reflector are numerous. In many applications, fewer luminaires are necessary to illuminate a site, compounding fixture, pole, installation and maintenance savings. These more efficient luminaires also enable mounting at lower heights, further reducing initial and long term service costs.



Lens
Circa optical design begins with conical fan XL optics. The aperture of the lens has been sized so that lamp lumen output can be directed into measurably wider distributions, enabling wider pole spacings at most mounting heights.

The outside of the lens is silkscreened to mask the ballast assembly.



Post Top Optics (not shown)
From 50W to 175W, with three optical choices, this is a performance post top luminaire solidly within the Gardco tradition.

Highly Reflective Material
An essential component of the Form Ten XL is a new anodized aluminum with reflectivity approaching 95%. The mirror-like finish of the faceted optics substantially improves the efficiency of the reflector.

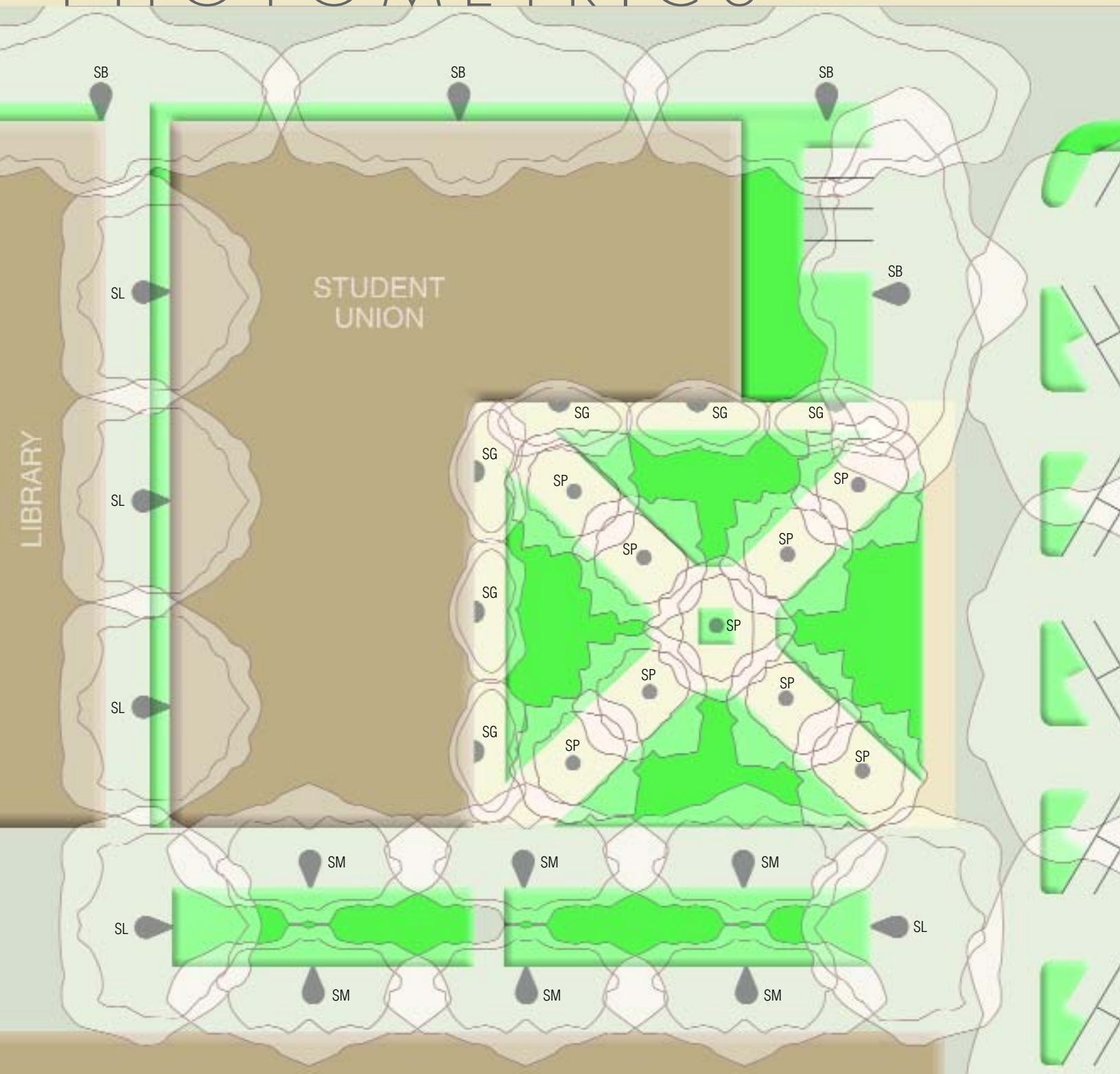
House Side Shield
The available house side shield is a natural option to eliminate house side illumination where absolute cutoff is desired.

Rotatable Optical Systems
Gardco pioneered the concept of rotatable optics – which enable pole orientation and light distribution to be independent of one another. It also enables reorientation of the optical system, should traffic patterns change.

Lamps to 875W Metal Halide
Circa delivers the highest lumen package for its size – up to 95,000 lumens from a 875W PSMH lamp. Again, the result is better performance, wider spacings and lower overall project cost.

Choice of Horizontal and Vertical Lamp Optics
Ultimate lighting plan flexibility and efficiency are achieved with a choice of five horizontal lamp distributions: Types I, II, III, IV and V, and vertical lamp patterns in Types II, III, IV and V. All provide exceptionally wide and uniform illumination. This is glare free lighting with excellent max-to-min ratios. Optical systems are rotatable at 90° to enable pole orientation independent of light distribution. Note: Vertical lamp packages require a sag glass lens.

PHOTOMETRICS

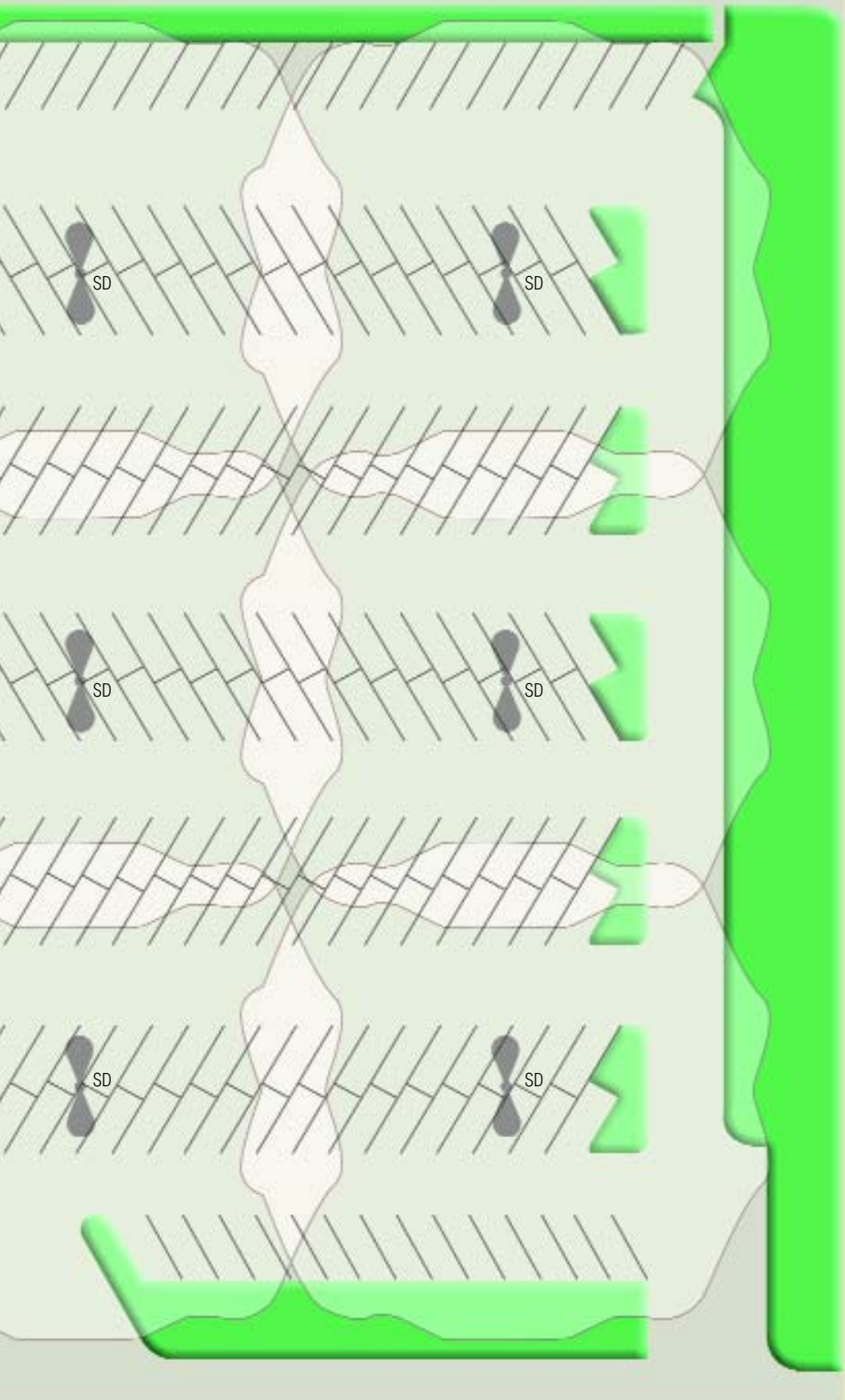


Project Highlights

	Min FC	Max FC	Max/Min	Avg FC
Main Parking Area	1.2	7.1	6.2	2.6
Interior Roadway	0.6	3.7	6.5	1.5
Walkways	1.3	7.6	5.9	4.1
Main Sidewalk	1.2	4.6	3.8	2.2

Luminaire Schedule

SD = Circa 25, Twin, 4XL Optics, 400MH @ 25'. 39000 Lumens
SA = Circa 25, Single, 3XL Optics, 400MH @ 25'. 39000 Lumens
SB = Circa 25, Single, 2XL Optics, 400MH @ 20'. 23000 Lumens
SG = Circa 108, Single, Wide Throw Optics, 70MH @ 10'. 5800 Lumens
SP = Circa 22, Single, 5V Optics, 150MH @ 12'. 12500 Lumens
SQ = Circa 22, Single, 2XL Optics, 150MH @ 12'. 12500 Lumens
SL = Circa 20, Single, 4XL Optics, 175MH @ 15'. 15000 Lumens
SM = Circa 20, Single, 2XL Optics, 175MH @ 15'. 15000 Lumens
SK = Circa 20, Twin, 4XL Optics, 175MH @ 15'. 15000 Lumens
SP = Circa 22 Post Top, 5V Optics, 70MH@12'. 5500 Lumens



This lighting plan for a college campus demonstrates how the Circa unifies the site plan with a single luminaire design that provides unlimited optical, lamp and mounting flexibility. Note how the conical fan XL optics deliver uniform illumination free from hot spots and striations – even with wide pole spacing. Maximum pavement illumination is 7.1, yielding a maximum to minimum ratio of 6.5 : 1. The addition of a house side shield completely eliminates backside trespass at the perimeter – in this instance where traffic lanes abut office and residential areas.

Gardco's Applications Engineering Department stands ready to assist with site lighting analysis and development. Photometric data is available through the Gardco web site, sitelighting.com, or by emailing a request to apps@sitelighting.com.

APPLICATION

Outdated, glaring cobra head installations provide an opportunity to make quantum improvements in aesthetics, performance and energy usage when they are updated with Circa luminaires. An integral Circa fitter seamlessly accepts the mast arm pole.

Unifying the lighting plan with companion sconces elevates performance and aesthetics.

Circa. Sleek. Sophisticated. A natural complement to today's architecture.

Circa's precision XL optics make it possible to tailor mounting locations, pole heights and lamps to unique site geometries, continuing the Gardco tradition of providing glare free illumination and full cutoff.

Of particular interest is the extended forward throw of the 4XL optical system, which enables exceptionally wide illumination patterns. Even at higher mounting heights, Circa eliminates the need for cobra heads and unsightly mast arm extensions.

CR20 & 25 ORDERING

	PREFIX	CONFIGURATION	DISTRIBUTION	WATTAGE	VOLTAGE	FINISH	STANDARD RING		LED RING	OPTIONS
Example	CR20	1	3XL	150MH	277	NP	AR	OR	LER	PC

PREFIX

CR20[8] Small
CR25[8] Large

CONFIGURATION

1 Single Assembly
2 Twin @ 180˚
2@90 Twin @ 90˚
3 Triple @ 90˚
3@120 Triple @ 120˚
4 Quad Assembly
W Wall Mount, Recessed J-Box
WS Wall Mount Over Surface Conduit

DISTRIBUTION

Horizontal Lamp
1 Type I (N/A above 400W)
2XL Type II
3XL Type III
4XL Type IV
5H Type V (N/A above 400W)

Vertical Lamp
2XLV[5] Type II
3XLV[5] Type III
4XLV[5] Type IV
5V[5] Type V

WATTAGE

CR20
100MH
150MH[2,3]
175MH
200MH[2,4]
250MH[1,9]
100HPS
150HPS

CR25
250MH
400MH[5,7,11]
250HPS
400HPS
600HPS
750HPS[5]
250PSMH
320PSMH[11]
350PSMH[11]
400PSMH[11]
450PSMH[4,5]
750PSMH[5,6]
875PSMH[5]

VOLTAGE

120
208
240
277
347
480

FINISH

BRP
BLP
WP
NP
OC
SC

MH Metal Halide
PSMH Pulse Start Metal Halide
HPS High Pressure Halide

STANDARD RING

AR
SR
OR
LR

LED RING

LER[10]
LEO[10]
LEA[10]
LEG[10]
LEB[10]

OPTIONS

F
LF
PC
PCR
HS
QS
RPA1
RPA2
PTF2
PTF3
PTF4
SG
SPA
MA
TB

1. Horizontal lamp optics only
2. Not available in 480V
3. ANSI M102
4. Vertical Lamp optics only
5. Supplied with sag glass lens
6. M149 only. Horizontal optics require MS750/PS/BU-HOR/BT37 lamp.
7. Requires E37 or BT37 lamp
8. Standard arm without any RPA mounts to round poles from 3.85" to 4.5" O.D.
9. Type 1 and Type 5H utilize E-28 lamp. Types 2XL, 3XL and 4XL require the E-18 lamp.
10. N/A above 400W
11. Requires reduced jacket lamp

CONFIGURATION

1 Single Luminaire Assembly

2 Twin (Specify 90˚ or 180˚ Degrees) (2/90 or 2/180)

3 @ 90˚ Triple Assembly

3 @ 120˚ Triple Assembly

4 Quad Assembly

W Wall Mount, Recessed J-Box

WS Wall Mount, Surface Conduit

Prior to ordering, consult submittal data sheet on www.sitelighting.com for the most current information.

FINISH

BRP Bronze Paint
BLP Black Paint
WP White Paint
NP Natural Paint
OC Optional Color Paint
Specify RAL designation
SC Special Color Paint
(must supply color chip)

STANDARD RING

AR Aluminum Ring
(Painted to match housing)
SR Stainless Steel Ring (Brushed)
OR Optional Color Ring
(Ring supplied same color as housing standard. For optional color, specify finish or RAL number.)
LR Less Ring

LED RING

LER Red
LEO Orange
LEA Amber
LEG Green
LEB Blue

OPTIONS

F Fusing (In Head. 600W maximum)
LF In-Pole Fusing
PC Photocontrol and Receptacle (N/A with 480V. 1000W maximum luminaire wattage)
PCR Photocontrol (Receptacle Only)
HS Internal House Side Shield (1000W available with external shield only)
QS Quartz Standby (N/A above 400W)
SG Sag Glass Lens (In lieu of flat glass) (Supplied standard with all vertical lamp optics and with horizontal optics in 750W and 1000W)
RPA 1 3" Round Pole Adapter
(Required for 3" OD round or tapered round poles where top OD is less than 3.85")
RPA 2 5" Round Pole Adapter
(Required for round poles with 5"-6" O.D.)
PTF2 Pole Top Fitter (2 3/8" Dia. Tenon)
PTF3 Pole Top Fitter (3-3 1/2" Dia. Tenon)
PTF4 Pole Top Fitter (3 1/2"-4" Dia. Tenon)
SPA Square Pole Adapter
(2 3/4" min. pole outside width)
MA Mast Arm Mounting Kit (Internal)
TB Terminal Block

CIRCA 20 & 25 SPECIFICATIONS

HOUSING: A one-piece die cast aluminum housing mounts directly to a pole, mast arm or wall without the need for a support arm.

LENS ASSEMBLY: A single-piece die cast aluminum lens frame hinges down from the housing and is secured by a concealed stainless steel hinge and hinge pin.

An optically clear, heat and impact resistant tempered flat glass lens (convex lens on vertical lamps and horizontal 750 and 1000W MH) is mechanically secured with six retainers. The electrical and optical chambers are thoroughly sealed with a one-piece memory retentive hollow core silicone gasket to prevent intrusion by rain, dust and insects.

OPTICAL SYSTEMS: The segmented optical systems are manufactured from homogenous sheet aluminum which has been electrochemically brightened, anodized and sealed. The multifaceted arc image duplicating systems are designed to produce IES Types I (1), II (2XL-2XLV), III (3XL-3XLV), IV (4XL-4XLV), and V (5H-5V). With the 2XL, 3XL and 4XL luminaires, the reflector facets form a conical fan around the arc tube with each facet positioned to be precisely tangent to the top of the arc tube.

For the CR25, a mogul base lampholder is glazed porcelain with a nickel plated screw shell. Position-oriented sockets are supplied standard to accept super metal halide lamps. All CR25 units feature lamp stabilizers. In CR20 units, lampholders for 250W metal halide lamps are mogul base. All other CR20 lampholders are medium base.

LED RING: The luminaire is provided with a decorative acrylic rod shaped to follow the contour of the luminaire and is illuminated at each end by light emitting diode (LED) illuminator assemblies.

The rod will have reflective coating causing an even brightness along its length resembling luminous tube lighting. There are no breaks, discrete spots, or other discontinuities visible in the intended viewing angle of 60˚ to 90˚ above nadir.

The method of rod attachment to luminaire allows for thermal expansion and contraction form -70˚F/-57˚C to +120˚F/+49˚C without causing damage to the assembly. The rod does not use adhesives for structural support.

The illuminator assembly at each end consists of a polycarbonate thermoplastic housing which encloses LEDs.

The electrical supply powering each illuminator directly or indirectly shall be 30 volts RMS or less. Primary wavelengths for the available colors shall be: Red – 626-635 nm; Orange – 605-609 nm; Amber – 509-592 nm; Blue – 465-470 nm.

ELECTRICAL: All electrical components are UL recognized, factory tested, and mounted on a unitized plate with quick electrical disconnects. Each high power factor ballast is the separate component type capable of providing reliable lamp starting down to -20°F/-29˚C.

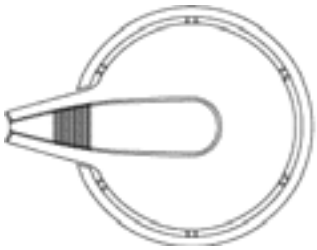
FINISH: Each standard color luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) textured polyester powdercoat finish. Units are thoroughly cleaned and provided with a patented chromate acid pretreatment. Standard colors include bronze (BRP), black (BLP), white (WP), and natural aluminum (NP). Consult factory for specs on custom colors.

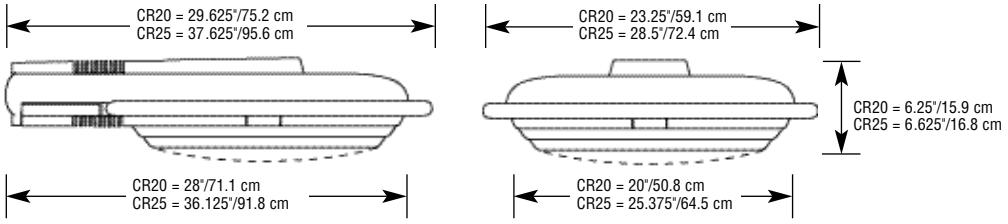
LABELS: All fixtures bear UL or CUL (where applicable) Wet Location labels.

As part of continuing quality improvement programs, Gardco Lighting reserves the right to change materials or modify the design of its product without notification.

The Circa is protected by U.S. Design Patent D456,926. The XL optical system is protected by U.S. patent number 5690422.

DIMENSIONS



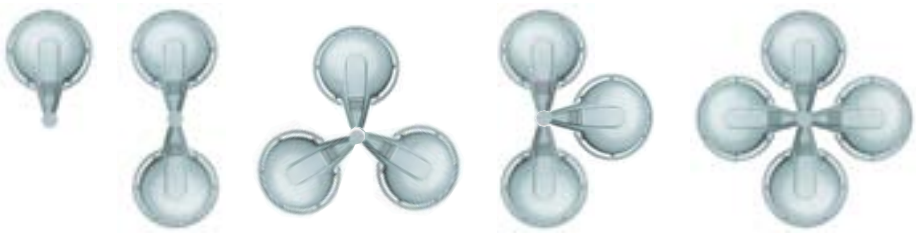


Sag Glass Lens Drop • CR20 = .75"/1.9 cm / CR25 = 2.625"/6.7 cm

EPA'S CONFIGURATIONS

Circa 20	1-way	2-way	3,4-way
Flat	.60 in / 1.5 cm	1.20 in / 3.0 cm	1.63 in / 4.1 cm
Sag	.62 in / 1.6 cm	1.25 in / 3.2 cm	1.70 in / 4.3 cm
Circa 25	**1-way**	**2-way**	**3,4-way**
Flat	.85 in / 2.2 cm	1.70 in / 4.3 cm	2.3 in / 5.8 cm
Sag	1.10 in / 2.8 cm	2.20 in / 5.6 cm	3.1 in / 7.9 cm

Weight	
Circa 20	36 lbs./16.36 kg
Circa 25	61 lbs./27.73 kg



1 **2** **3 @ 120˚** **3 @ 90˚** **4**

POST TOP ORDERING

	PREFIX	DISTRIBUTION	WATTAGE	VOLTAGE	STANDARD RING	FINISH	OPTIONS
Example	CRP22	3VRF	50HPS[4]	277	AR	NP	LF

PREFIX	DISTRIBUTION	WATTAGE	VOLTAGE	STANDARD RING	FINISH	OPTIONS
CRP22	3VRF (Refractor)[3] 5VRF (Refractor)[3]	**Refractor Optics[3]** 50HPS[4] 50MH[4] 70HPS 70MH[5] 100HPS 100MH 150HPS[2] 150MH[1,5] 175MH	120 208 240 277 347 480	AR SR OR LR	BRP BLP WP NP OC SC	LF PCB (120 through 277V only)
	5VINDR (Indirect)[7]	**Indirect Optics[7]** T39MH[4] T70MH[6] T150MH[5]				

1. M102
2. S55
3. Available for use with E-17, medium based lamps only.
4. Available in 120 & 277V only.
5. Not available in 480V.
6. Available in 120, 277 & 347V only.
7. Available in T39MH, T70MH & T150MH only. Luminaires are supplied with lamp. (T39MH, T70MH, T150MH are a T-6, G12 base lamp.

FINISH

- BRP Bronze Paint
- BLP Black Paint
- WP White Paint
- NP Natural Paint
- OC Optional Color Paint
  Specify RAL designation
  ex: OC-RAL7024
- SC Special Color Paint
  (must supply color chip)

STANDARD RING

- AR Aluminum Ring
  (Painted to match housing)
- SR Stainless Steel Ring (Brushed)
- OR Optional Color Ring
  (Ring supplied same color as housing standard. For optional color, specify finish or RAL number.)
- LR Less Ring

OPTIONS

- LF In-Pole Fusing
- PCB Button Type Photocontrol (Note: Photocontrol replaces the hand hole cover for a Gardco RA4 4" round aluminum pole. Not available for use with poles other than the Gardco RA4.)

Prior to ordering, consult submittal data sheet on www.sitelighting.com for the most current information.

POST TOP SPECIFICATIONS

GENERAL DESCRIPTIONS: Each Gardco post top mounted Circa is low profile, curvilinear cutoff luminaire utilizing high intensity discharge lamps up to 175 watts. All housings are die cast aluminum and mount directly to the pole assembly with an integrated fitter. Internal components are totally enclosed, rain-tight, dust-tight and corrosion resistant. Luminaires are available with a choice of two (2) refractor or one (1) indirect optical systems.

HOUSING: A four-piece die cast aluminum housing mounts directly to a 4" diameter round pole having a 2 3/8"/16.04 cm diameter tenon. The tenon must extend beyond the pole top a minimum of 4"/10.16 cm and a maximum of 4 1/4"/10.80 cm. The tenon outside diameter must be equal to a 2 3/8"/16.04 cm and the inside diameter cannot be less than 2"/5.08 cm.

LENS ASSEMBLY: A two-piece die cast aluminum lens frame holds a high-impact resistant acrylic lens, which is clamped to the die cast fitter at the base of the assembly. The die cast upper components mate to the gasketed lens flange. A die cast hinged door at the top of the unit provides for easy-access relamping. The electrical components are housed in the fitter. The lamp and optical components are thoroughly sealed to prevent intrusion by moisture, dust and insects.

OPTICAL SYSTEMS: Two refractor optical systems and an indirect lighting system provide comfortable, even illumination. A choice of two refractors provide either an IES Type III (3VRF) or IES Type V (5VRF) distribution. Maximized visual comfort is achieved with the indirect optical system utilizing an IES type V Round pattern (5INDR).

ELECTRICAL: All electrical components are UL recognized and factory tested. Components are mounted on a unitized bracket assembly which includes the socket. Each high power factor ballast is the separate component type capable of providing reliable lamp starting down to -20˚F/-29˚C.

FINISH: Each standard color luminaire receives a fade and abrasion resistant, electrostatically applies, thermally cured, triglycidal isocyanurate (TGIC) textured polyester powdercoat finish. Units are thoroughly cleaned and provided with a patented chromate acid pretreatment. Standard colors include bronze (BRP), black (BLP), white (WP), and natural aluminum (NP). Consult factory for specs on custom colors.

LABELS: All fixtures bear UL or CUL (where applicable) Wet Location labels.

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POLE SPECIFICATIONS

GARDCO RA4 POLE MATRIX			
Pole Length	**Mounting Height** (Optic Height)	**Overall Height[1]**	**Gardco Pole Catalog Number**
8'/2.44 m	9'1.75"/2.78 m	9'6.75"*/2.87 cm	RA4 - 8'
10'/3.05 m	11'.75"/3.37 m	11'6.75"/3.57 cm	RA4 - 10'
12'/3.66 m	13'.75"/402 m	13'6.75"/4.16 cm	RA4 - 12'
14'/4.27 m	15'.75"/4.62 m	15'6.75"/4.74 cm	RA4 - 14'
15'/4.6 m	16'.75"/4.92 m	16'6.75"/5.05 cm	RA4 - 15'

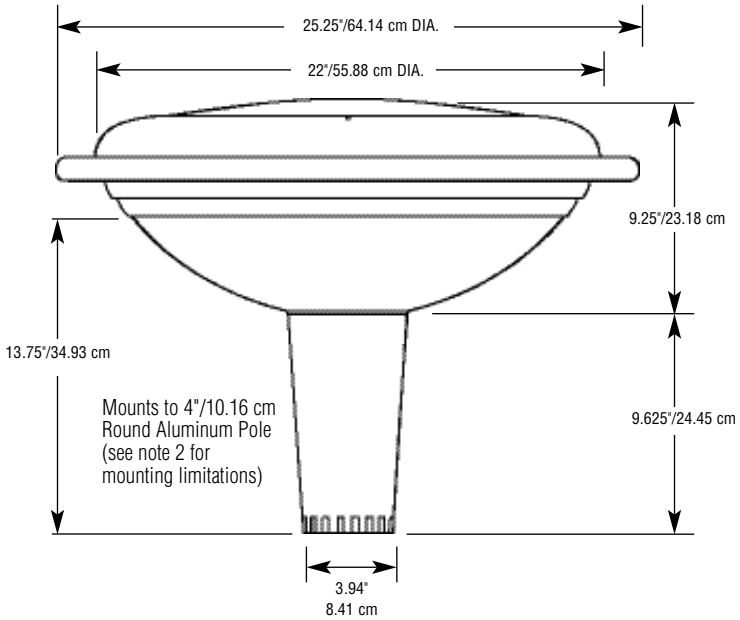
Notes:

1. If a lower overall height is desired, an 8'/2.48 m pole may be cut back to reduce pole length.
2. Gardco supplied poles are recommended. The Circa Post Top is suitable for use with other (non-Gardco supplied) 4"/10.16 cm diameter aluminum poles if used with a 2.375"/6.03 cm x 4"/10.16 cm long welded top tenon. The tenon must extend beyond the pole top a minimum of 4"/10.16 cm and a maximum of 4.25"/10.80 cm. The tenon outside diameter must be equal to 2.375" and the inside diameter cannot be less than 2"/5.08 cm.

EPA
CRP .70 ft^2/.07 m^2

Weight	
Circa Post Top	43 lbs./19.55 Kg.

DIMENSIONS



108 SCONCE ORDERING

PREFIX	DISTRIBUTION	WATTAGE	VOLTAGE	FINISH	STANDARD RING	LED RING	OPTIONS
Example: 108	FT	150 HPS	120	BRP	AR	OR LER	PCB

PREFIX

108

108 EM
Emergency Sconce
(42TRF/226QF w/MT only)
(120V or 277V only)

108 EMR
Remote Emergency Sconce
(42TRF, 242TRF, or 226QF, w/MT only)
(120V or 277V only)

DISTRIBUTION

FT[1]
Forward Throw

WT[1]
Wide Throw

MT
Medium Throw

WATTAGE

50 MH[5] 35 HPS[2]
70 MH 50 HPS[5]
100 MH 70 HPS
150 MH 100 HPS
175 MH 150 HPS

120V through 277V[3]
26 QF
226 QF
32 TRF
42 TRF
242 TRF[4]

QF Quad Tube Fluorescent
TRF Triple Tube Fluorescent

VOLTAGE

120
277
347

FINISH

BLP Black
BRP Bronze
WP White
NP Natural Aluminum
OC Optional Color
Specify RAL designation. ex. OC-RAL7024
SC Special Color
Color chip required

STANDARD RING

AR Aluminum Ring
SR Stainless Steel Ring (Brushed)
OR Optional Color Ring
LR Less Ring

LED RING

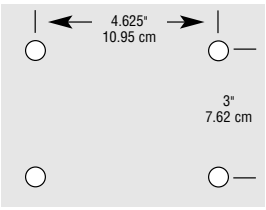
LER (Red)
LEO (Orange)
LEA (Amber)
LEG (Green)
LEB (Blue)

OPTIONS

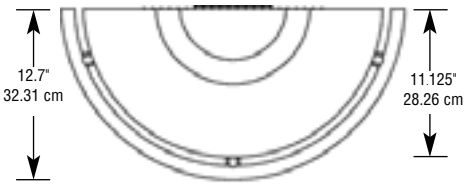
F Fusing (120V/277V only)
PCB Button Type Photocontrol (120V/277V only)
QS Quartz Standby (HID, WT Optics)
Q924 Quartz Emergency (HID, WT Optics only. 150W max.)
SL Solite® Diffusing Lens
UT 5˚ Uptilt
WS Wall Mounted Box for Surface Conduit
WS/UT Wall Mounted Box for Surface Conduit with 5˚ Uptilt
B84CG Bodine Remote Emergency Pack (108 EMR luminaire only)
B30 Bodine Remote Emergency Pack (108 EMR only)

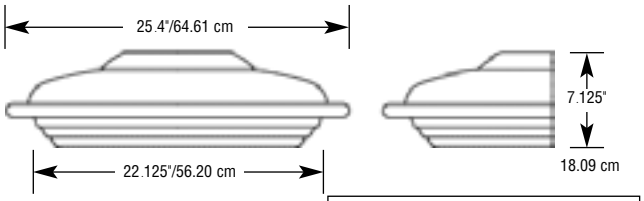
1. Not available with fluorescent lamps
2. 120V only
3. 26QF, 32TRF and 42TRF types feature an electronic fluorescent ballast that accepts 120V through 277V, 50hz or 60hz input.
4. Not available 108 EM
5. 120V or 277V only

108 SCONCE DIMENSIONS



Mounting Bracket Pattern





Weight	
Circa Sconce	26 lbs./11.82 Kgs

108 SCONCE PERFORMANCE

VERSATILITY – The 108 Circa Sconce is available in a forward throw distribution for small parking areas, a wide distribution for pedestrian and landscaped areas and a versatile medium distribution. Forward throw units are available with a 5˚ uptilt option which extends the effective illumination pattern out and away from buildings. Medium throw units offer performance similar to interior downlights, allowing for illumination of interior spaces. All are suitable for damp location uplighting in lobbies, atriums and beneath canopies.



Forward Throw

Wide Throw

Medium Throw



108EM/108EMR CIRCA SCONCE EMERGENCY LIGHTING

Emergency lighting has recently been the subject of increasing attention, which particularly includes more stringent code requirements. Most local ordinances require compliance with the NIC code and the Life Safety Code of the National Fire Protection Association. The 2000 NFPA Code specifies that "emergency lighting needs to be provided outside the building and should be to either a public way or a distance from the building that is considered safe."

In addition to code mandates there are also numerous security, safety and liability issues that, in the event of a power interruption, need to be addressed via emergency lighting.

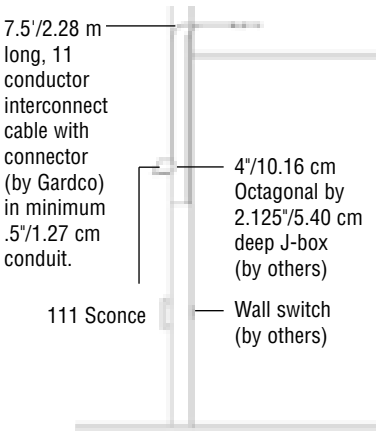
The Gardco Circa Sconce satisfies these requirements and can be specified with either an integral or remote ballast. The **108EM** utilizes an integral emergency pack consisting of a high-temperature nickel-cadmium battery with charge and electronic circuitry on an open circuit board. **108EMR** sconces utilize remote emergency battery packs and electronic circuitry (which must be ordered separately with the luminaire or by others).

The 108EMR series should be utilized in applications with extreme ambient temperature conditions – especially freezing weather. When AC power fails, the sconces automatically convert to battery operation.

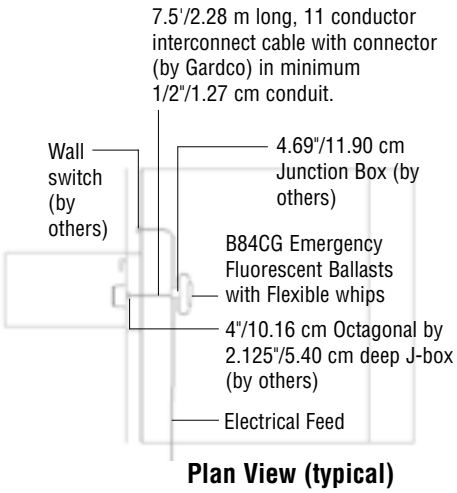
108EM & 108EMR Highlights

- Electronic fluorescent ballasts are high power factor. Sockets are high temperature PBT with brass contacts.
- Operates lamps at minimum of 90 minutes at reduced light levels.
- Battery has 7-10 year life expectancy and requires no maintenance.
- Test switch accessible via easy-hinge door frame. Tamper-resistant hardware available.
- Configure for switched or unswitched normal mode circuits.
- Battery rated to 0°C ambient. For extreme temperatures, specify remote ballast models with EMR designation

Luminaires are supplied with an integral LED charge indicator and test switch. A 7.5'/2.28 m whip is provided with EMR types for wiring to a Bodine B84CG fluorescent emergency ballast, ordered from Gardco. The emergency ballast is remotely installed in the plenum safely away from outside temperature extremes.

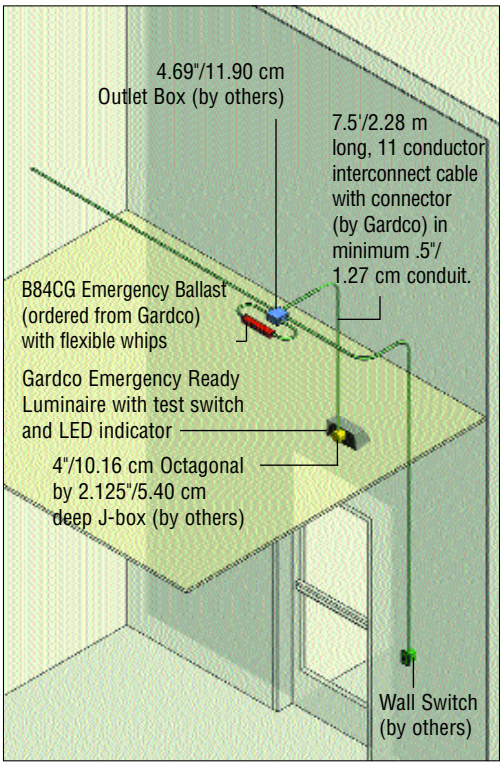


Section (typical)



Plan View (typical)

Applies to EMR only



Applies to EMR only

Fascia Plates

Form 10 Round

100 Line Sconces

Bollards

GARDCO
LIGHTING

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

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