

Type No. _____

Catalog No. _____

Job. Name _____

ELG Medium Wattage HID Series

Element Glass High Bay

APPLICATIONS

- Applications include large and small retail facilities, lobbies, conference rooms, auditoriums and other commercial and light industrial spaces.

CONSTRUCTION

- A cylindrical ballast housing features a tool-less wiring access door for simple installation and maintenance. Single baffle is standard. Dual or Tri-Baffle option may be specified. Ballast housing has an Ultra-Clad polyester powder coating, electrostatically applied and oven cured. Standard colors and five new metallic finishes available. Custom RAL colors may be specified. Custom designed multi-color luminaire may be specified.

OPTICS

- The prismatic reflector of borosilicate glass adds an uplight component to give fill light on ceiling surfaces, improving the quality of the lighting environment. The standard ELG is available in either Narrow or Wide distribution and either Open or Enclosed construction. Enclosed units feature a clear or diffuse tempered glass lens and metal lens frame.

ELECTRICAL

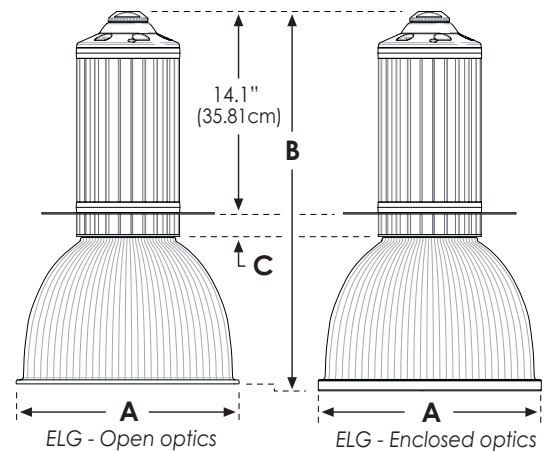
- High frequency electronic ballast operation provides constant wattage regulation and features THD in the range of <10% to <20% and is suitable for operation in an ambient temperature range of -30°C (-22°F) to 40°C (104°F). The digitally controlled ignition inherent in the Element's microprocessor-controlled electronic ballast eliminates lamp electrode wear and wall blackening. Unit may be specified with a standard dimming range to 50% power. The BL option provides Bi-Level (Hi / Low) dimming to 50% power. The AD option provides Analog (full range) Dimming to 50% power

MOUNTING

- Standard pendant mounting features a cast aluminum nut and hub to provide quick, positive mounting to 3/4" NPT or NPSM conduit.

WARRANTY/LISTINGS

- Standard 3 Year Limited Warranty. UL/cUL Listed luminaire, UL 1598, rated, suitable for damp locations. The quality systems of this facility have been Registered by UL to the ISO 9000 Series Standards.



	A	B	C
Open Optics			
EL G16WO (with BT28 lamp)	15.0" (38.1cm)	26.0" (66.0cm)	1.6" (4.1cm)
EL G16WO (with BT37 e-lamp)	15.0" (38.1cm)	28.1" (71.4cm)	3.7" (9.4cm)
EL G16NO (with BT28 lamp)	15.0" (38.1cm)	27.4" (69.6cm)	3.1" (7.9cm)
EL G16NO (with BT37 e-lamp)	15.0" (38.1cm)	28.9" (73.4cm)	4.5" (11.4cm)
EL G22WO (with BT28 lamp)	21.3" (54.1cm)	26.0" (66.0cm)	1.6" (4.1cm)
EL G22WO (with BT37 e-lamp)	21.3" (54.1cm)	28.1" (71.4cm)	3.7" (9.4cm)
EL G22NO (with BT28 lamp)	21.3" (54.1cm)	27.5" (69.9cm)	3.1" (7.9cm)
EL G22NO (with BT37 e-lamp)	21.3" (54.1cm)	28.9" (73.4cm)	4.5" (11.4cm)
Enclosed Optics			
EL G16WE/D (with BT28 lamp)	15.5" (39.4cm)	26.5" (67.3cm)	1.6" (4.1cm)
EL G16WE/D (with BT37 e-lamp)	15.5" (39.4cm)	28.6" (72.6cm)	3.7" (9.4cm)
EL G16NE/D (with BT28 lamp)	15.5" (39.4cm)	27.9" (70.9cm)	3.1" (7.9cm)
EL G16NE/D (with BT37 e-lamp)	15.5" (39.4cm)	29.4" (74.7cm)	4.5" (11.4cm)
EL G22WE/D (with BT28 lamp)	21.6" (54.9cm)	26.5" (67.3cm)	1.6" (4.1cm)
EL G22WE/D (with BT37 e-lamp)	21.6" (54.9cm)	28.6" (72.6cm)	3.7" (9.4cm)
EL G22NE/D (with BT28 lamp)	21.6" (54.9cm)	28.0" (71.1cm)	3.1" (7.9cm)
EL G22NE/D (with BT37 e-lamp)	21.6" (54.9cm)	29.4" (74.7cm)	4.5" (11.4cm)

See Page 2 for Ordering Information

ELG Medium Wattage HID Series

Element Glass High Bay

Element Glass High Bay
16" enclosed, clear lens,
standard single baffle



Notes

- Open PS luminaires require the use of "O" rated lamps with the exclusionary lamp base (EX39) only. Do not use any other base lamp. Standard Element Pulse Start Metal Halide units use BT28 lamps which are suitable for 50% dimming options.
Note: For availability of 35% dimming, consult factory. 35% dimming requires the use of e-lamps, currently available in BT37 lamp only.
- 175, 200 and 250W units not available with E4 (Advance Dynavision) ballast.
- 450W units are available in 277V only. Not available with E4 (Advance Dynavision) ballast.
- 120V ballast available with 175 through 250 watt units only.
- Available with 320, 350 or 400 watt units only.
- For each wattage and optic size, 16" small or 22" large, the available photometric distribution combinations are listed in LER section of chart. For example, replace (*) with N = Narrow/Open; W = Wide/Open; NE = Narrow/Enclosed, clear lens; ND = Narrow/Enclosed, diffuse lens; WE = Wide/Enclosed, clear lens; WD = Wide/Enclosed, diffuse lens. The ies file name shown reflects the use of phosphor coated lamps ("c" precedes wattage). Clear lamp photometric data is available.
- Calculated in accordance with NEMA Standard LE-5B using standard Pulse Start Metal Halide lamps. C = rating with Coated lamp. clr = rating with clear lamp. Slightly higher LER values may be achieved with the use of e-lamps. See note 1 above.
- NO = Narrow / Open;
WO = Wide / Open;
NE/D = Narrow / Enclosed (clear or diffuse lens); WE/D = Wide / Enclosed (clear or diffuse lens).



Series	Optics	Voltage / E ballast / Dimming
Pulse Start Metal Halide ⁽¹⁾ <input type="checkbox"/> ELP-175 ⁽²⁾ <input type="checkbox"/> ELP-200 ⁽²⁾ <input type="checkbox"/> ELP-250 ⁽²⁾ <input type="checkbox"/> ELP-320 <input type="checkbox"/> ELP-350 <input type="checkbox"/> ELP-400 <input type="checkbox"/> ELP-450 ⁽³⁾	<input type="checkbox"/> G16NO = 16" Glass, Narrow distribution, Open <input type="checkbox"/> G16NE = 16" Glass, Narrow distribution, Enclosed, Clear lens <input type="checkbox"/> G16ND = 16" Glass, Narrow distribution, Enclosed, Diffuse lens <input type="checkbox"/> G16WO = 16" Glass, Wide distribution, Open <input type="checkbox"/> G16WE = 16" Glass, Wide distribution, Enclosed, Clear lens <input type="checkbox"/> G16WD = 16" Glass, Wide distribution, Enclosed, Diffuse lens <input type="checkbox"/> G22NO = 22" Glass, Narrow distribution, Open <input type="checkbox"/> G22NE = 22" Glass, Narrow distribution, Enclosed, Clear lens <input type="checkbox"/> G22ND = 22" Glass, Narrow distribution, Enclosed, Diffuse lens <input type="checkbox"/> G22WO = 22" Glass, Wide distribution, Open <input type="checkbox"/> G22WE = 22" Glass, Wide distribution, Enclosed, Clear lens <input type="checkbox"/> G22WD = 22" Glass, Wide distribution, Enclosed, Diffuse lens	<input type="checkbox"/> ⁽⁴⁾ <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Electronic ballast type: <input type="checkbox"/> E Electronic ballast (standard) <i>Alternately, a specific manufacturer's product may be selected. Consult factory.</i> <input type="checkbox"/> E1 = Metrolight SuperHID <input type="checkbox"/> E4 = Advance Dynavision ⁽⁵⁾ <i>Ballast</i> <i>Non-dimming:</i> <i>Ordering</i> electronic ballast, 208V 208E <i>Examples:</i> electronic ballast, 240V 240E electronic ballast, 277V 277E <i>E1 or E4 non-dimming:</i> Metrolight SuperHID, 120V 120E1 Metrolight SuperHID, 208V 208E1 Metrolight SuperHID, 240V 240E1 Metrolight SuperHID, 277V 277E1 Advance Dynavision, 208V 208E4 Advance Dynavision, 240V 240E4 Advance Dynavision, 277V 277E4 Dimming: <i>Optional dimming ballast's standard range is down to 50% power. Leave blank to specify non-dimming ballast. Consult factory for availability of dimming down to 35% power.</i> <input type="checkbox"/> BL = Bi-Level (Hi / Low) dimming to 50% power <input type="checkbox"/> AD = Analog (full range 0-50) dimming to 50% power <i>Dimming</i> 277V analog dimming ballast 277EAD <i>Ballast</i> 240V Metrolight SuperHID <i>Ordering</i> analog dimming ballast 240E1AD <i>Examples:</i> 208V Advance Dynavision bi-level dimming ballast 208E4BL

Distribution Guide and Ballast Data

Wattage	Optics Dia.	ies ⁽⁶⁾ File Name	ANSI Code	Line Current 120 / 208 / 240 / 277	Line Watts	LER ^(7,8)			
						NO C / clr	WO C / clr	NE/D C / clr	WE/D C / clr
PSMH 175	16"	elpc17s*.ies	M137/M152	1.7 / 1.1 / 0.9 / 0.7	194	na/76	na/82	72 / 76	69 / 73
	22"	elpc17l*.ies				na/76	na/78	67 / 73	68 / 74
PSMH 200	16"	elpc20s*.ies	M136	2.0 / 1.4 / 1.2 / 1.0	229	73 / 81	73 / 87	74 / 78	70 / 74
	22"	elpc20l*.ies				73 / 81	74 / 83	69 / 74	69 / 75
PSMH 250	16"	elpc25s*.ies	M138/M153	2.3 / 1.4 / 1.2 / 1.0	269	72 / 79	73 / 85	67 / 76	68 / 73
	22"	elpc25l*.ies				72 / 79	72 / 81	72 / 73	68 / 74
PSMH 320	16"	elpc32s*.ies	M132/M154	NA / 1.7 / 1.5 / 1.3	344	74 / 83	76 / 89	70 / 81	71 / 77
	22"	elpc32l*.ies				74 / 83	74 / 85	76 / 77	71 / 78
PSMH 350	16"	elpc35s*.ies	M131	NA / 1.8 / 1.6 / 1.4	375	77 / 86	79 / 93	73 / 83	74 / 80
	22"	elpc35l*.ies				77 / 86	78 / 88	79 / 80	74 / 81
PSMH 400	16"	elpc40s*.ies	M135/M155	NA / 2.1 / 1.9 / 1.6	426	80 / 88	82 / 95	77 / 87	78 / 83
	22"	elpc40l*.ies				80 / 88	81 / 90	83 / 83	78 / 84
PSMH 450	16"	elpc45s*.ies	M144	NA / NA / NA / 1.8	478	83 / 91	85 / 98	77 / 88	78 / 85
	22"	elpc45l*.ies				83 / 91	84 / 93	83 / 85	78 / 86

ELG Medium Wattage HID Series

Element Glass High Bay

Finish options

Standard colors



- ☐ **WHT**
Smooth White
(Default ballast
finish if color is
not specified.)

- ☐ **TWHT**
Textured
White



- ☐ **TBK**
Textured
Black



- ☐ **TSA**
Textured
Satin
Aluminum



- ☐ **TGR**
Textured
Gray



- ☐ **TDB**
Textured
Dark
Bronze



- ☐ **TGN**
Textured
Green

Decorator colors



- ☐ **Pearl
Metallic**



- ☐ **PWT**
Pewter
Metallic



- ☐ **Charcoal
Metallic**



- ☐ **BGE**
Beige
Metallic



- ☐ **Terra
Metallic**

**RAL color may also
be specified.**

- ☐ **RAL(X)**

X = Custom RAL
color number
Consult factory

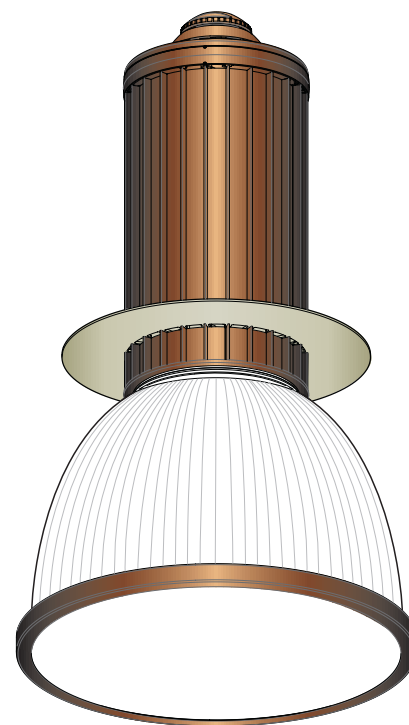
Custom Multi-color Luminaire

Defined by Custom Submittal Drawing
available on website Consult factory for
assistance.

- ☐ **MC(XXX)** = Custom Multi-Color

Simple two-color Element Custom
Multi-Color Luminaire Example:

Decorator colors Terra Metallic and Beige
Metallic are shown.



Lens trim color on enclosed units is
typically the same as ballast color, but
may be specified to match baffle if
desired.

Single Baffle is standard.

The baffles in a Dual Baffle or Tri-Baffle
option are typically specified as the same
contrasting color on a Custom Multi-Color
unit.

However, any combination of colors may
be specified as defined by the Custom
Submittal Drawing.

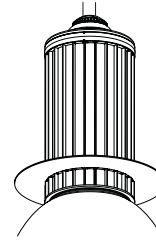
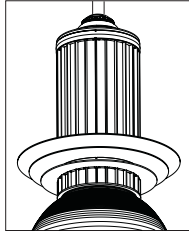
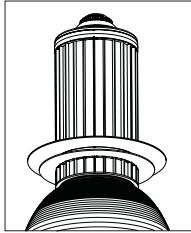
ELG Medium Wattage HID Series

Element Glass High Bay

Options (Factory Installed)

Decorative Baffle Options

- ☐ **BD**
Dual Baffle
- ☐ **BT**
Tri-Baffle



Note:
Single Baffle is standard.

Decorative Suspended Cable Mounting For Non-Dimming units

- ☐ **CC(X)**
Suspended Cable Mount Luminaire with single Coil Cord
- ☐ **CS(X)**
Suspended Cable Mount Luminaire with single Straight Cord
(X) = Cord length in feet: 3, 6 or 8

Note: LQ1 is not available with CC or CS option.

For Dimming units

When Element luminaires with dimming capabilities are specified with a suspended cable mount option, the use of both the straight and coil cords is required. A central straight cable carries the low voltage dimming leads to the ballast and a coil cord supplies ballast and lamp power. Upper mounting plate detail at right shows the luminaire suspension cables and the straight and coil cord combination.

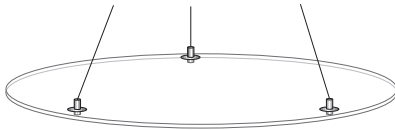


Decorative Suspended Cable Mount Lower Lens

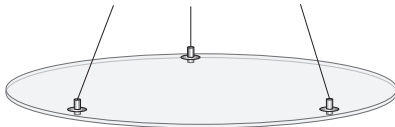
	Optics		
Lens size dependent on optics.	Nominal Diameter	Lens Diameter	Hole Diameter
	19" and below	24.0" (60.96cm)	9.5" (24.13cm)
	22" and above	32.0" (81.28cm)	13.5" (34.29cm)

Solid Suspended Glass Lens:

- ☐ **L1C**
Solid suspended Clear glass lens



- ☐ **L1D**
Solid suspended Diffuse glass lens



Note:
The suspended lens option is shown with Metal over Glass optics (ELMG).

detail:
lens
suspend
fitting and
cable
connection
at baffle

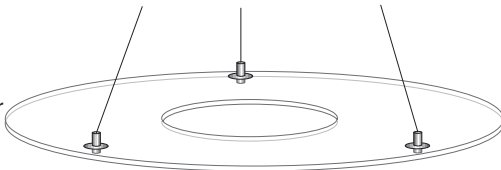


detail:
lens
suspend
fitting and
cable
connection
at lens

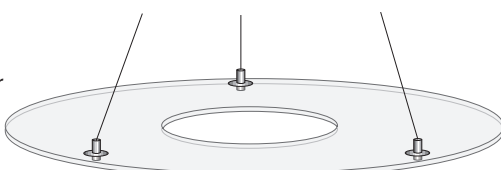


Suspended Lens with center opening:

- ☐ **L2C**
Suspended Clear glass lens with center opening



- ☐ **L2D**
Suspended Diffuse glass lens with center opening



Silkscreened Clear Suspended Lens:

- ☐ **L1S** = Silkscreened clear glass lens
- ☐ **L2S** = Silkscreened clear glass lens with center opening

Consult factory.

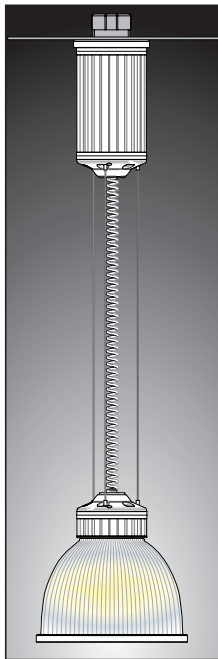
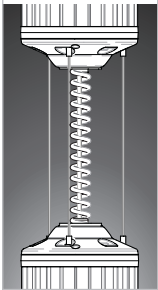
May be specified by ink color, dot pattern, or by client determined logo art or design.

ELG Medium Wattage HID Series

Element Glass High Bay

Decorative Remote Ballast Mounting

Note: Dimming or Non-Dimming units with LQ / LQ1 option require both a central straight cord as well as a coil cord.



dimming or non-dimming without LQ / LQ1

☐ **RC(X)**
Remote Ballast, Suspended Cable Mount Luminaire with single Coil Cord

(X) = Cord length in feet: 3, 6 or 8 (max)



dimming or non-dimming without LQ / LQ1

☐ **RS(X)**
Remote Ballast, Suspended Cable Mount Luminaire with single Straight Cord

(X) = Cord length in feet: 3, 6 or 8 (max)



dimming or non-dimming with CSR, LQ or LQ1

☐ **RP(X)**
Remote Ballast, Pendant Mount Luminaire mounted to 3/4" NPT rigid conduit

(X) = Pendant length in feet: 3, 6 or 8

Auxiliary / Emergency Lighting

☐ **CSR** = Hot Quartz Restrike using Current Sensing Relay (Extinguishes auxiliary lamp when main arc strikes.)

☐ **LQ** = Hot / Cold Quartz Restrike (LiteMatic Operation)

☐ **LQ1** = Separately Wired (120V) Hot / Cold Quartz Restrike (Externally controlled emergency lighting from a separate power source. To ensure integrity of the emergency lighting system, LQ1 leads should be hardwired. Suitability of specifying emergency lighting (LQ1) with (5-wire) cord and plug is the determination of the user.)
LQ1 is not available with single cord CC or CS option.

LiteMatic Operation



Normal Start:
Main and Quartz lamps both energized.



Main Lamp Reaches Approximately 40% of Rated Output:
Quartz lamp automatically extinguishes (combined lamp currents never exceed that of main lamp at 100% output).



When Arc Extinguished:
Auxiliary quartz lamp automatically energized when power is restored.



Main Lamp Reaches 40% of Rated Output:
Quartz lamp automatically extinguishes

Ballast Fusing

☐ **F1** = Single Fuse, 120 / 277V

☐ **F2** = Double Fuse, 208 / 240V

Alternate Mounting

☐ **HCP-(X)C-L(Y)20P** = Hook, Cord and Plug, 3-Wire
(X) = Cord length in feet: 3, 6 or 10
(Y) = 3-Wire NEMA voltage code: 5=120V, 6=208/240V, 7=277V

☐ **HCP-(X)C-L2320P** = Hook, Cord and Plug, 5-Wire
(X) = Cord length in feet: 3, 6 or 10

☐ **H4-HCP-L(Y)20P** = Pendant Power Hook, 3-Wire (300V) with HCP
(Y) = 3-Wire NEMA voltage code: 5=120V, 6=208/240V, 7=277V

☐ **H4-HCP-L2320P** = Pendant Power Hook, 5-Wire (600V) with HCP

☐ **LCP-(X)C-L(Y)20P** = Loop, Cord and Plug, 3-Wire
(X) = Cord length in feet: 3, 6 or 10
(Y) = 3-Wire NEMA voltage code: 5=120V, 6=208/240V, 7=277V

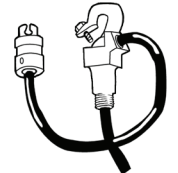
☐ **LCP-(X)C-L2320P** = Loop, Cord and Plug, 5-Wire
(X) = Cord length in feet: 3, 6 or 10

☐ **H5-LCP-L(Y)20P** = Power Hook, 3-Wire (300V) with LCP
(Y) = 3-Wire NEMA voltage code: 5=120V, 6=208/240V, 7=277V

☐ **H5-LCP-L2320P** = Power Hook, 5-Wire (600V) with LCP

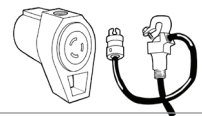
Unit is pre-wired with 3-conductor rubber jacketed cable and heavy duty (16/3) NEMA twist-lock plug, along with die-cast hook with locking screw. 20A standard.

When specified with LQ1, unit is pre-wired with 5-conductor rubber jacketed cable and heavy duty (16/5) NEMA twist-lock plug (L2320P), along with die-cast hook with locking screw. 20A standard.



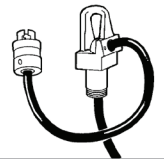
Pendant Mounted Power Hook with NEMA receptacle. Unit is pre-wired with Hook, Cord and Plug.

When specified with LQ1, Pendant Mounted Power Hook has an L2320R NEMA receptacle.



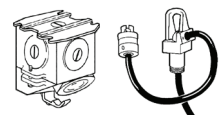
Unit is pre-wired with 3-conductor rubber jacketed cable and heavy duty (16/3) NEMA twist-lock plug, with die-cast loop. 20A standard.

When specified with LQ1, unit is pre-wired with 5-conductor rubber jacketed cable and heavy duty (16/5) NEMA twist-lock plug (L2320P), with die-cast loop. 20A standard.



Power Hook with thru-wire provision contains a NEMA receptacle. Unit is prewired with Loop, Cord and Plug.

When specified with LQ1, 5-Wire version is required.



Ballast Safety Cable Not available on units with suspended cable option or remote ballast option.

☐ = 3' Safety Cable

☐ = 6' Safety Cable

☐ = 10' Safety Cable

ELG Medium Wattage HID Series

Element Glass High Bay

Accessories (Field Installed - Shipped Separately)

Ballast Fusing

☐ **F1-Kit** = Single Fuse, 120 / 277V

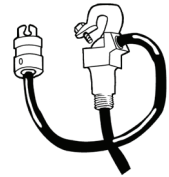
☐ **F2-Kit** = Double Fuse, 208 / 240V

Alternate Mounting

- ☐ **HCP-(X)C-L(Y)20P** = Hook, Cord and Plug, 3-Wire
 (X) = Cord length in feet: 3, 6 or 10
 (Y) = 3-Wire NEMA voltage code: 5=120V, 6=208/240V, 7=277V
- ☐ **HCP-(X)C-L2320P** = Hook, Cord and Plug, 5-Wire
 (X) = Cord length in feet: 3, 6 or 10

3-conductor rubber jacketed cable and heavy duty (16/3) NEMA twist-lock plug as specified, with die-cast hook with locking screw. 20A standard.

When specified for unit equipped with LQ1, 5-conductor rubber jacketed cable is required, which is wired to a heavy duty (16/5) NEMA twist-lock plug (L2320P), with die-cast hook with locking screw. 20A standard.



- ☐ **H4** = Pendant Power Hook, 3-Wire
- ☐ **H4-5W** = Pendant Power Hook, 5-Wire

Pendant Mounted Power Hook with NEMA receptacle as specified. Used with corresponding Hook, Cord and Plug.

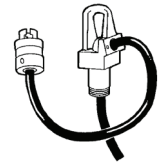
When specified for unit equipped with LQ1, 5-wire version is required.



- ☐ **LCP-(X)C-L(Y)20P** = Loop, Cord and Plug, 3-Wire
 (X) = Cord length in feet: 3, 6 or 10
 (Y) = 3-Wire NEMA voltage code: 5=120V, 6=208/240V, 7=277V
- ☐ **LCP-(X)C-L2320P** = Loop, Cord and Plug, 5-Wire
 (X) = Cord length in feet: 3, 6 or 10

3-conductor rubber jacketed cable and heavy duty (16/3) NEMA twist-lock plug as specified, with die-cast loop. 20A standard.

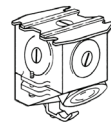
When specified for unit equipped with LQ1, 5-conductor rubber jacketed cable is required, which is wired to a heavy duty (16/5) NEMA twist-lock plug (L2320P), with die-cast loop. 20A standard.



- ☐ **H5** = Power Hook with thru-wire provision, 3-Wire
- ☐ **H5-5W** = Power Hook with thru-wire provision, 5-Wire

Power Hook with thru-wire provision contains a NEMA receptacle. Used with corresponding Loop, Cord and Plug.

When specified for unit equipped with LQ1, 5-Wire version is required.



Mounting Extras

☐ **HM**
Hook
Male



☐ **LM**
Loop
Male



☐ **JA75** Joint Aligner

50 lb. maximum allowed.



☐ **SH75** Swivel Hanger

50 lb. maximum allowed if hung from junction box.

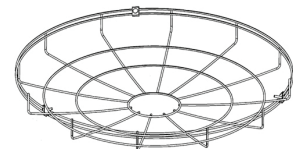


Wireguard

☐ **WG-XX** = Wireguard (X) = Optics diameter in inches: 16 or 22

For maximum endurance in active environments, the lens may be protected with a wireguard.

Not available with decorative suspended cable mount lower lens options (L1C, L1D, L1S, L2C, L2D, L2S).



Notes



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 Specifications are subject to change without notice.
www.philips.com/luminaires

PT#: SP007A0513

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