

Type No. _____

Catalog No. _____

Job. Name _____

ELLB CosmoPolis / MasterColor Elite

HID Series

Element Low Bay, 60-315 watt

APPLICATIONS

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

CONSTRUCTION

- 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 Element Low Bay features a hinged and gasketed optical assembly in either a 22" or 28" diameter. Heavy gauge aluminum reflector with high-reflectivity white UltraClad polyester powder coat finish provides the upper portion of the optical assembly which features a permanently sealed acrylic refractor. The hinged and gasketed optical assembly is held in place by a heavy-duty stainless steel high compression latch.

ELECTRICAL

- The BL option provides Bi-Level (Hi / Low) dimming to 50% power. The AD option provides Analog (full range) dimming to 50% power. Both ballasts include built-in end of life, 60,000 hour life and overheating protections as well as open and short circuit lamp protections. CosmoPolis (60W / 90W / 140W) systems are suitable for operation in an ambient temperature range of -20°C (-4°F) to 40°C (104°F). MasterColor Elite (210W / 315W) systems are suitable for operation in an ambient temperature range of -30°C (-22°F) to 40°C (104°F). The digitally microprocessor-controlled ignitor in the CosmoPolis and MasterColor Elite ballast gear virtually eliminates lamp electrode wear and arc tube wall blackening.

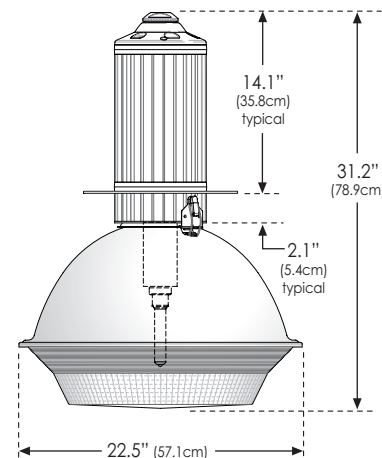
MOUNTING

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

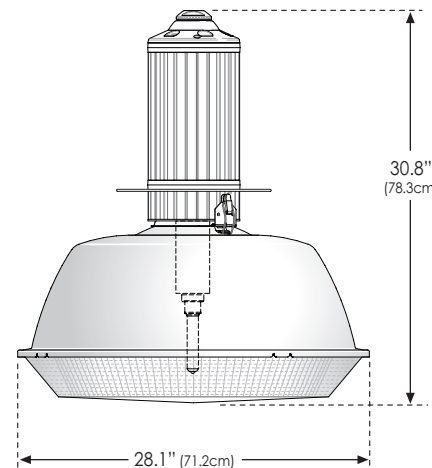
WARRANTY/LISTINGS

- Standard 5 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.

ELLB LB22



ELLB LB28



See Page 2 for Ordering Information

PHILIPS

Day-Brite

PHILIPS

CFI

ELLB CosmoPolis / MasterColor Elite HID Series

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Element Low Bay
standard single baffle,
22" diameter optics



Notes

- 1) Philips CosmoPolis lighting system:
60W, 90W or 140W lamp with Advance CosmoPolis ballast.
- 2) Philips MasterColor Elite lighting system:
210W or 315W lamp with Advance e-Vision ballast.
- 3) Photometry available online.
IES file names reflect catalog logic.
- 4) 60W-140W CosmoPolis lamps:
Single ended tubular (T6 clear) white with a PGZ12 lamp base and holder.
Color Rendering: CRI = 70.
Color Temperature: CCT = 2800K.

210-315W CDM Elite MW lamps:
(T9 clear) with a PGZ18 lamp base and socket.
Color Rendering: CRI = 90.
Color Temperature: CCT = 3000K.

Series/Source-Wattage	Optics	E ballast Voltage - Optional Dimming
Pulse Start Metal Halide CosmoPolis system ⁽¹⁾ <input type="checkbox"/> ELP-60 60W CosmoPolis <input type="checkbox"/> ELP-90 90W CosmoPolis <input type="checkbox"/> ELP-140 140W CosmoPolis MasterColor Elite system ⁽²⁾ <input type="checkbox"/> ELP-210 210W MasterColor Elite <input type="checkbox"/> ELP-315 315W MasterColor Elite 	Reflector / Lens <input type="checkbox"/> LB22 Low Bay with 22" diameter optics <input type="checkbox"/> LB28 Low Bay with 28" diameter optics	Standard non-dimming electronic ballast voltage <input type="checkbox"/> 208E <input type="checkbox"/> 240E <input type="checkbox"/> 277E 60 / 90 / 140W Advance CosmoPolis system ballast (wattage specific) 210 / 315W Advance e-Vision system ballast (for 210 and 315 watt systems) <hr/> Optional Dimming Ballast: Available for 210W and 315W units only. Requires 0-10V low voltage wiring. Leave blank to specify standard non-dimming ballast. <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

Distribution Guide and Ballast Data ⁽³⁾

Wattage	Available Optics	Lamp / Socket ⁽⁴⁾	Ballast	Initial Lamp Lumens	Lumens per Watt	Rated Life (hrs)	Line Current 208 / 240 / 277	Line Watts
PSMH 60	LB22 LB28	CPO-TW 60W/728 PGZ12 socket	ICW60NLS	6,850	114	18,000	0.32 / 0.28 / 0.24	67
PSMH 90	LB22 LB28	CPO-TW 90W/728 PGZ12 socket	ICW90MLS	10,450	116	20,000	0.47 / 0.41 / 0.35	99
PSMH 140	LB22 LB28	CPO-TW 140W/728 PGZ12 socket	ICW140MLS	16,500	118	20,000	0.75 / 0.67 / 0.57	153
PSMH 210	LB22 LB28	CDM Elite MW 210/T9/930/U/E PGZ18 socket	IZMH210315RLF	24,150	115	20,000	1.20 / 1.00 / 0.82	229
PSMH 315	LB22 LB28	CDM Elite MW 315/T9/930/U/E PGZ18 socket	IZMH210315RLF	37,800	120	20,000	1.80 / 1.54 / 1.30	343

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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



- ☐ **PRL**
Pearl
Metallic



- ☐ **PWT**
Pewter
Metallic



- ☐ **CRL**
Charcoal
Metallic



- ☐ **BGE**
Beige
Metallic



- ☐ **TER**
Terra
Metallic

**RAL color may also
be specified.**

- ☐ **RAL(X)**

X = Custom RAL
color number

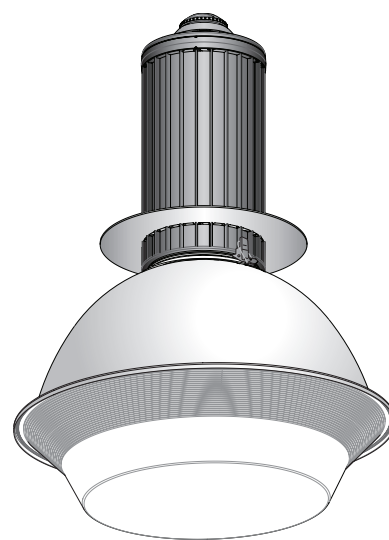
Consult factory

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:

Pewter Metallic and Textured Gray are
shown.



First, specify overall custom ballast color.

Second, specify contrasting baffle color.

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.

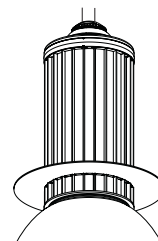
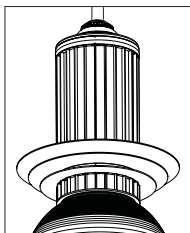
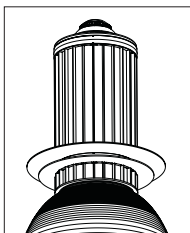
ELLB CosmoPolis / MasterColor Elite HID Series

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Options (Factory Installed)

Decorative Baffle Options

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



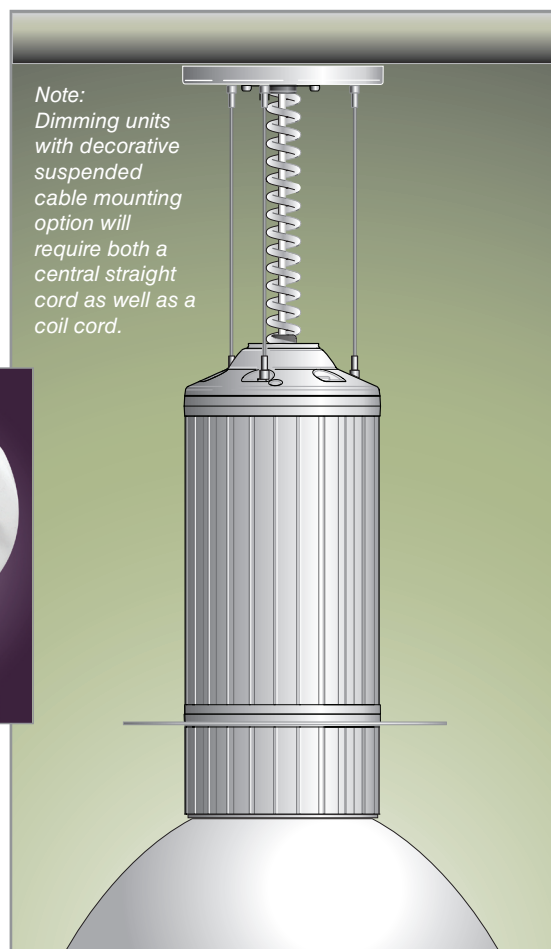
Note:
Single Baffle is standard.

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.



Note:
Dimming units with decorative suspended cable mounting option will require both a central straight cord as well as a coil cord.

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.



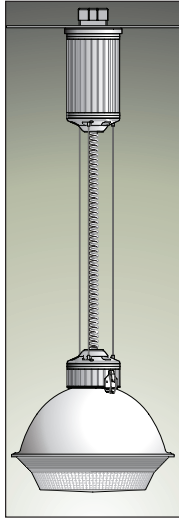
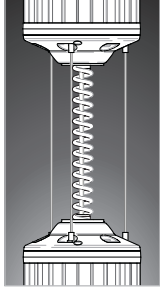
Note: Decorative Suspended Cable Mount Lower Lens options (L1C, L1D, L1S, L2C, L2D, L2S) are not available in the Element Low Bay Series.

ELLB CosmoPolis / MasterColor Elite HID Series

Element Low Bay, 60-315 watt

Decorative Remote Ballast Mounting

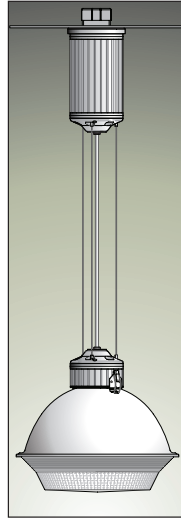
Note: Dimming or Non-Dimming units with LQ1 option require both a central straight cord as well as a coil cord.



dimming or non-dimming without LQ1

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

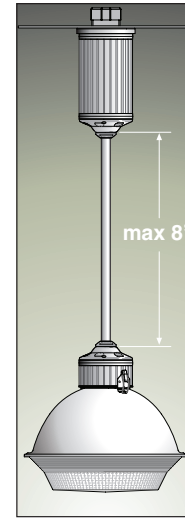
(X) = Cord length in feet: 3, 6 or 8 (max)



dimming or non-dimming without 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 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.)
- ☐ **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, 277V

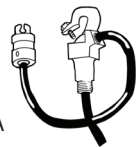
- ☐ **F2** Double Fuse, 208 / 240V

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:
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: 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:
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:
6 = 208/240V, 7 = 277V
- ☐ **H5-LCP-L2320P** = Power Hook, 5-Wire (600V) with LCP

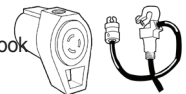
Unit is pre-wired with 3-conductor rubber jacketed cable and heavy duty (16/3) NEMA twist-lock plug, along with die-cast hook with locking screw. 20A standard.

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.



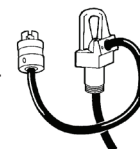
Pendant Mounted Power Hook with NEMA receptacle. Unit is pre-wired with Hook, Cord and Plug.

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



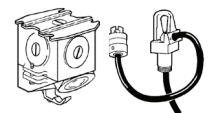
Unit is pre-wired with 3-conductor rubber jacketed cable and heavy duty (16/3) NEMA twist-lock plug, with die-cast loop. 20A standard.

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 remote ballast option.

- ☐ **SC3** 3' Safety Cable

- ☐ **SC6** 6' Safety Cable

- ☐ **SC10** 10' Safety Cable

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Accessories (Field Installed - Shipped Separately)

Ballast Fusing

☐ **F1-Kit** Single Fuse, 277V

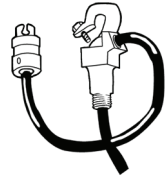
☐ **F2-Kit** Double Fuse, 208 / 240V

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: 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.

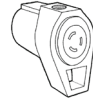
When specified for unit equipped with LQ1, 5-conductor rubber jacketed cable is required, which is wired to a heavy duty (16/5) NEMA twist-lock plug (L2320P), with die-cast hook with locking screw. 20A standard.



- ☐ **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.

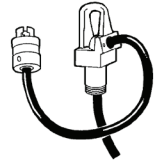
When specified for unit equipped with LQ1, 5-wire version is required.



- ☐ **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: 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.

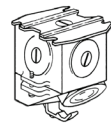
When specified for unit equipped with LQ1, 5-conductor rubber jacketed cable is required, which is wired to a heavy duty (16/5) NEMA twist-lock plug (L2320P), with die-cast loop. 20A standard.



- ☐ **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.



Notes



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www.philips.com/luminaires

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