

Type No. _____

Catalog No. _____

Job Name _____

ELLB Medium Wattage HID Series Element Low 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 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

- 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

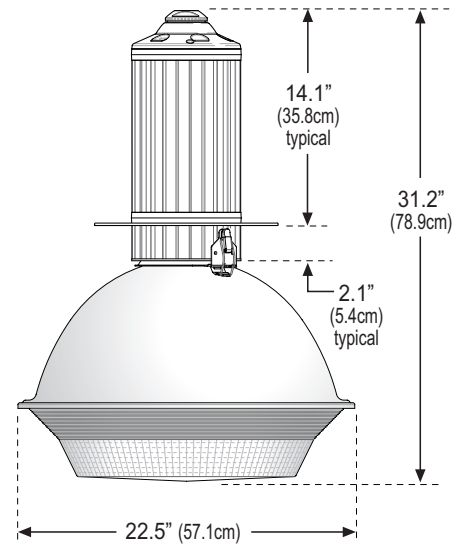
MOUNTING

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

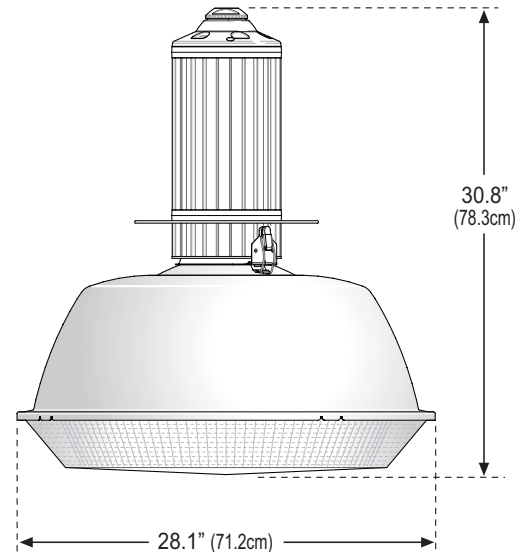
WARRANTY/LISTINGS

- 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.

ELLB LB22



ELLB LB28



See Page 2 for Ordering Information

ELLB Medium Wattage HID Series

Element Low Bay

Element Low Bay
standard single baffle,
22" diameter optics



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"/> LB22 Low Bay with 22" diameter optics <input type="checkbox"/> LB28 Low Bay with 28" diameter optics	Voltage: <input type="checkbox"/> 120 ⁽⁴⁾ <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277																																				
		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⁾																																				
		<table border="0"> <tr> <td><i>Ballast Ordering Examples:</i></td> <td><i>Non-dimming:</i></td> <td></td> </tr> <tr> <td></td> <td>electronic ballast, 208V</td> <td>208E</td> </tr> <tr> <td></td> <td>electronic ballast, 240V</td> <td>240E</td> </tr> <tr> <td></td> <td>electronic ballast, 277V</td> <td>277E</td> </tr> <tr> <td></td> <td><i>E1 or E4 non-dimming:</i></td> <td></td> </tr> <tr> <td></td> <td>Metrolight SuperHID, 120V</td> <td>120E1</td> </tr> <tr> <td></td> <td>Metrolight SuperHID, 208V</td> <td>208E1</td> </tr> <tr> <td></td> <td>Metrolight SuperHID, 240V</td> <td>240E1</td> </tr> <tr> <td></td> <td>Metrolight SuperHID, 277V</td> <td>277E1</td> </tr> <tr> <td></td> <td>Advance Dynavision, 208V</td> <td>208E4</td> </tr> <tr> <td></td> <td>Advance Dynavision, 240V</td> <td>240E4</td> </tr> <tr> <td></td> <td>Advance Dynavision, 277V</td> <td>277E4</td> </tr> </table>	<i>Ballast Ordering Examples:</i>	<i>Non-dimming:</i>			electronic ballast, 208V	208E		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
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		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																																				
		<table border="0"> <tr> <td><i>Dimming Ballast Ordering Examples:</i></td> <td>277V analog dimming ballast</td> <td>277EAD</td> </tr> <tr> <td></td> <td>240V Metrolight SuperHID analog dimming ballast</td> <td>240E1AD</td> </tr> <tr> <td></td> <td>208V Advance Dynavision bi-level dimming ballast</td> <td>208E4BL</td> </tr> </table>	<i>Dimming Ballast Ordering Examples:</i>	277V analog dimming ballast	277EAD		240V Metrolight SuperHID analog dimming ballast	240E1AD		208V Advance Dynavision bi-level dimming ballast	208E4BL																											
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Notes

- Standard Element Pulse Start Metal Halide units use BT28 or BT37 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.
- In the ies file, "elp" denotes element, pulse start metal halide, followed by the wattage abbreviation, followed by the distribution abbreviation:
L2 = Low Bay, 22" optics, L8 = Low Bay, 28" optics.
The ies file name shown reflects the use of coated lamps.
- Calculated in accordance with NEMA Standard LE-5B using standard Pulse Start Metal Halide lamps. Slightly higher LER values may be achieved with the use of e-lamps. See note 1 above.

Distribution Guide and Ballast Data

Wattage	Lamp Type	Optics Diameter	ies ⁽⁶⁾ File Name	ANSI Code	Line Current 120 / 208 / 240 / 277	Line Watts	LER ⁽⁷⁾
PSMH 175	BT28	22	elp17L2.ies	M137/M152	1.7 / 1.1 / 0.9 / 0.7	194	76
		28	elp17L8.ies				81
PSMH 200	BT28	22	elp20L2.ies	M136	2.0 / 1.4 / 0.2 / 1.0	229	71
		28	elp20L8.ies				77
PSMH 250	BT28	22	elp25L2.ies	M138/M153	2.3 / 1.4 / 1.2 / 1.0	269	72
		28	elp25L8.ies				78
PSMH 320	BT37	22	elp32L2.ies	M132/M154	NA / 1.7 / 1.5 / 1.3	344	73
		28	elp32L8.ies				79
PSMH 350	BT37	22	elp35L2.ies	M131	NA / 1.8 / 1.6 / 1.4	375	76
		28	elp35L8.ies				82
PSMH 400	BT37	22	elp40L2.ies	M135/M155	NA / 2.1 / 1.9 / 1.6	426	80
		28	elp40L8.ies				87
PSMH 450	BT37	22	elp45L2.ies	M144	NA / NA / NA / 1.8	478	80
		28	elp45L8.ies				87

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Element Low 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



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

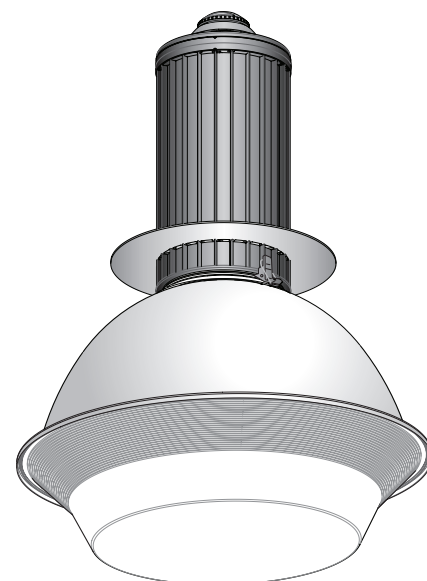
Custom Multi-color Luminaire

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.

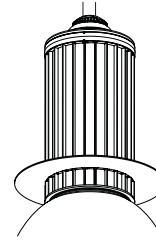
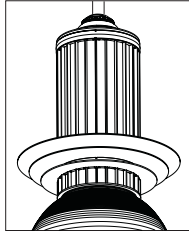
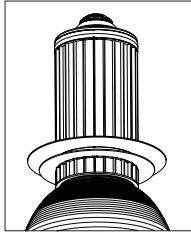
ELLB Medium Wattage HID Series

Element Low Bay

Options (Factory Installed)

Decorative Baffle Options

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



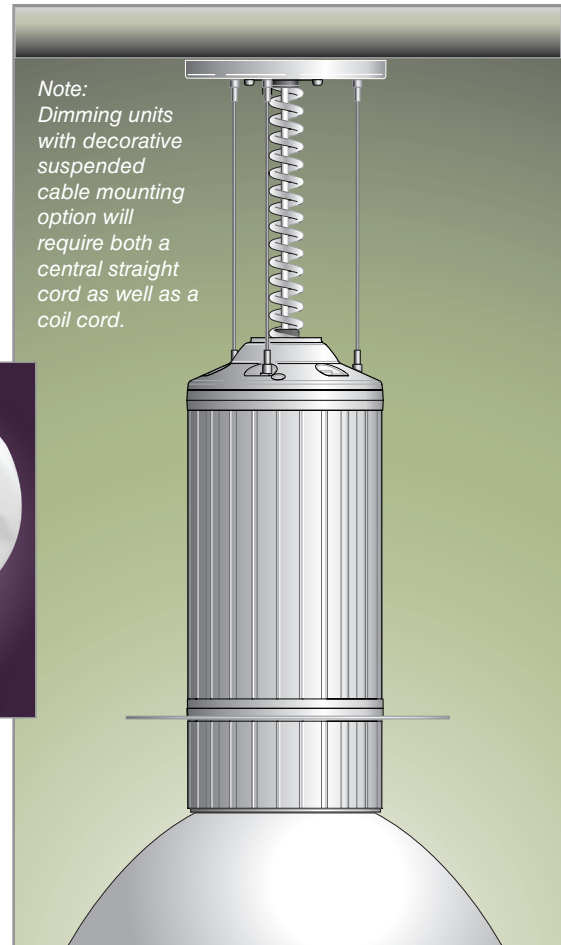
Note:
Single Baffle is standard.

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.



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.



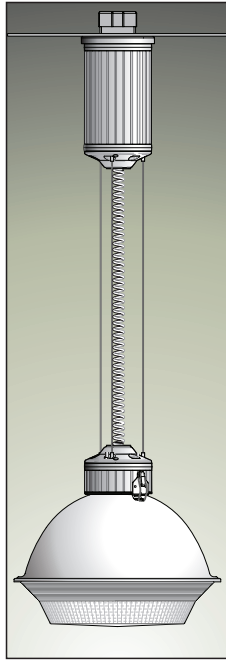
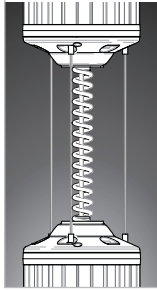
Note: Decorative Suspended Cable Mount Lower Lens options (L1C, L1D, L1S, L2C, L2D, L2S) are not available in the Element Low Bay Series.

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Element Low Bay

Decorative Remote Ballast Mounting

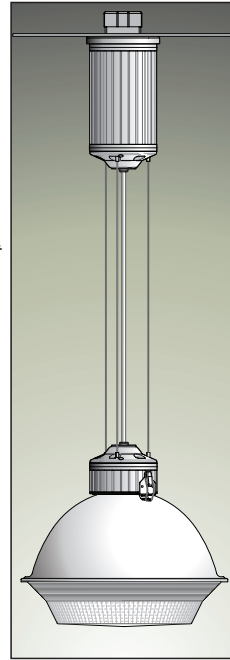
Note: Dimming or Non-Dimming units with LQ / LQ1 option require both a central straight cord as well as a coil cord.



dimming or non-dimming without LQ / LQ1

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

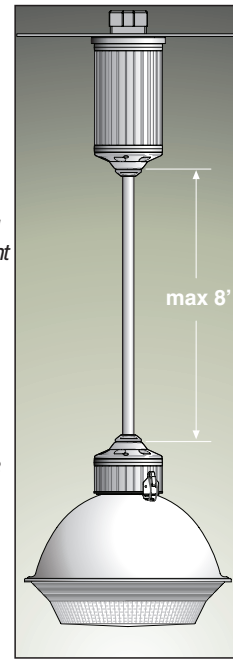
(X) = Cord length in feet: 3, 6 or 8 (max)



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

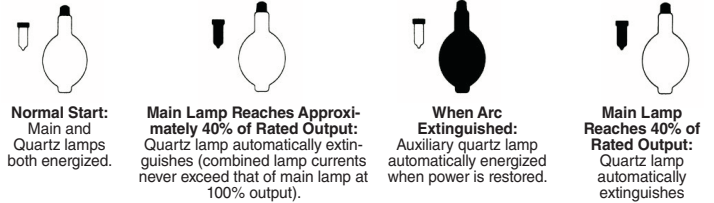
- RP(X)**
Remote Ballast, Pendant Mount Luminaire mounted to 3/4" NPT rigid conduit

(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



Ballast Fusing

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

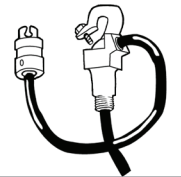
- F2** = Double Fuse, 208 / 240V

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

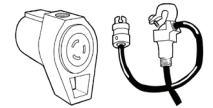
Unit is pre-wired with 3-conductor rubber jacketed cable and heavy duty (16/3) NEMA twist-lock plug, along with die-cast hook with locking screw. 20A standard.

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.



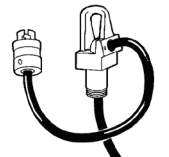
Pendant Mounted Power Hook with NEMA receptacle. Unit is pre-wired with Hook, Cord and Plug.

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



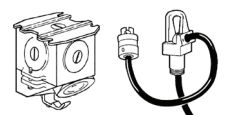
Unit is pre-wired with 3-conductor rubber jacketed cable and heavy duty (16/3) NEMA twist-lock plug, with die-cast loop. 20A standard.

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 pre-wired 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.

- 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, 120 / 277V

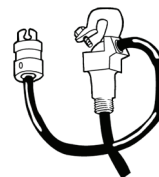
F2-Kit = Double Fuse, 208 / 240V

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.

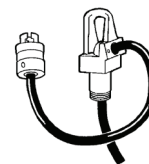
When specified for unit equipped with LQ1, 5-wire version is required.



- 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.

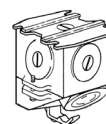
When specified for unit equipped with LQ1, 5-conductor rubber jacketed cable is required, which is wired to a heavy duty (16/5) NEMA twist-lock plug (L2320P), with die-cast loop. 20A standard.



- 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.



Notes



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

PT#: SP018A0513

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