

Type No. \_\_\_\_\_

Catalog No. \_\_\_\_\_

Job Name \_\_\_\_\_

# ELCB Medium Wattage HID Series

## Element Comfort 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 Comfort Bay features a hinged and gasketed optical assembly. 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, available in either a Conical or Dropped profile. 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

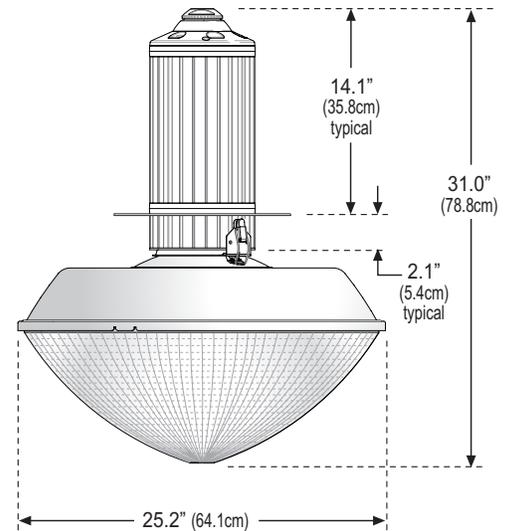
### MOUNTING

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

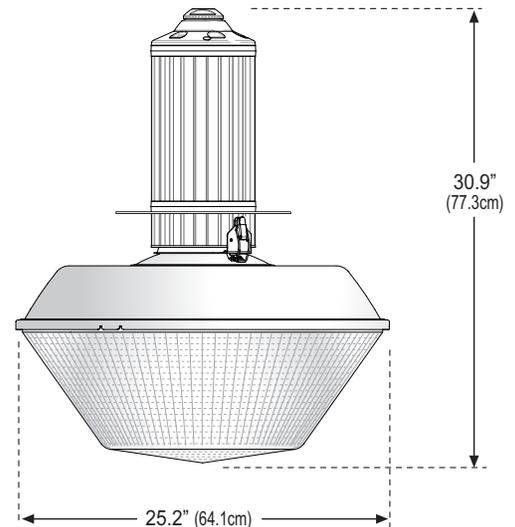
### WARRANTY/LISTINGS

- 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.

ELCB C  
(conical lens)



ELCB D  
(dropped lens)



See Page 2 for Ordering Information

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## Element Comfort Bay

Element Comfort Bay  
standard single baffle,  
dropped lens



Series	Optics	Voltage / E ballast / Dimming																																				
Pulse Start Metal Halide <sup>(1)</sup> <input type="checkbox"/> <b>ELP-175</b> <sup>(2)</sup> <input type="checkbox"/> <b>ELP-200</b> <sup>(2)</sup> <input type="checkbox"/> <b>ELP-250</b> <sup>(2)</sup> <input type="checkbox"/> <b>ELP-320</b> <input type="checkbox"/> <b>ELP-350</b> <input type="checkbox"/> <b>ELP-400</b> <input type="checkbox"/> <b>ELP-450</b> <sup>(3)</sup>	<input type="checkbox"/> <b>CBC</b> Comfort Bay with conical lens  <input type="checkbox"/> <b>CBD</b> Comfort Bay with dropped lens	<b>Voltage:</b> <input type="checkbox"/> 120 <sup>(4)</sup> <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277																																				
		<b>Electronic ballast type:</b> <input type="checkbox"/> <b>E</b> Electronic ballast (standard) <i>Alternately, a specific manufacturer's product may be selected. Consult factory.</i> <input type="checkbox"/> <b>E1</b> = Metrolight SuperHID <input type="checkbox"/> <b>E4</b> = Advance Dynavision <sup>(5)</sup>																																				
		<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><b>208E</b></td> </tr> <tr> <td></td> <td>electronic ballast, 240V</td> <td><b>240E</b></td> </tr> <tr> <td></td> <td>electronic ballast, 277V</td> <td><b>277E</b></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><b>120E1</b></td> </tr> <tr> <td></td> <td>Metrolight SuperHID, 208V</td> <td><b>208E1</b></td> </tr> <tr> <td></td> <td>Metrolight SuperHID, 240V</td> <td><b>240E1</b></td> </tr> <tr> <td></td> <td>Metrolight SuperHID, 277V</td> <td><b>277E1</b></td> </tr> <tr> <td></td> <td>Advance Dynavision, 208V</td> <td><b>208E4</b></td> </tr> <tr> <td></td> <td>Advance Dynavision, 240V</td> <td><b>240E4</b></td> </tr> <tr> <td></td> <td>Advance Dynavision, 277V</td> <td><b>277E4</b></td> </tr> </table>	<i>Ballast Ordering Examples:</i>	<i>Non-dimming:</i>			electronic ballast, 208V	<b>208E</b>		electronic ballast, 240V	<b>240E</b>		electronic ballast, 277V	<b>277E</b>		<i>E1 or E4 non-dimming:</i>			Metrolight SuperHID, 120V	<b>120E1</b>		Metrolight SuperHID, 208V	<b>208E1</b>		Metrolight SuperHID, 240V	<b>240E1</b>		Metrolight SuperHID, 277V	<b>277E1</b>		Advance Dynavision, 208V	<b>208E4</b>		Advance Dynavision, 240V	<b>240E4</b>		Advance Dynavision, 277V	<b>277E4</b>
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		<b>Dimming:</b> <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"/> <b>BL</b> = Bi-Level (Hi / Low) dimming to 50% power <input type="checkbox"/> <b>AD</b> = Analog (full range 0-50) dimming to 50% power																																				
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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: **cbc** = Comfort Bay, Conical lens, **cbd** = Comfort Bay, Dropped lens.  
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 (refractor)	ies <sup>(6)</sup> File Name	ANSI Code	Line Current 120 / 208 / 240 / 277	Line Watts	LER <sup>(7)</sup>
PSMH 175	BT28	CBC	elp17cbc.ies	M137/M152	1.7 / 1.1 / 0.9 / 0.7	194	79
		CBD	elp17cbd.ies				73
PSMH 200	BT28	CBC	elp20cbc.ies	M136	2.0 / 1.4 / 1.2 / 1.0	229	76
		CBD	elp20cbd.ies				71
PSMH 250	BT28	CBC	elp25cbc.ies	M138/M153	2.3 / 1.4 / 1.2 / 1.0	269	77
		CBD	elp25cbd.ies				72
PSMH 320	BT37	CBC	elp32cbc.ies	M132/M154	NA / 1.7 / 1.5 / 1.3	344	79
		CBD	elp32cbd.ies				73
PSMH 350	BT37	CBC	elp35cbc.ies	M131	NA / 1.8 / 1.6 / 1.4	375	81
		CBD	elp35cbd.ies				76
PSMH 400	BT37	CBC	elp40cbc.ies	M135/M155	NA / 2.1 / 1.9 / 1.6	426	86
		CBD	elp40cbd.ies				80
PSMH 450	BT37	CBC	elp45cbc.ies	M144	NA / NA / NA / 1.8	478	86
		CBD	elp45cbd.ies				80

# ELCB Medium Wattage HID Series

## Element Comfort 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**



**TER**  
Terra Metallic

**RAL color may also be specified.**

**RAL(X)**

**X** = Custom RAL color number

Consult factory

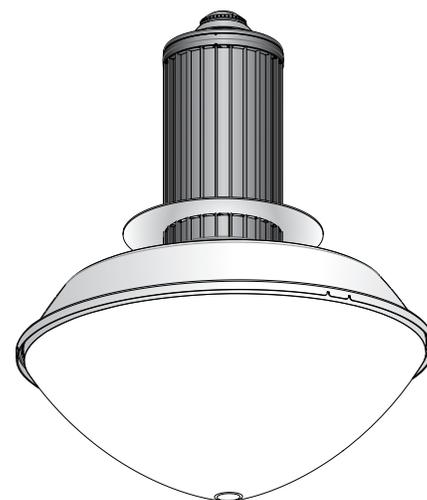
#### Custom Multi-color Luminaire

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 White 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.

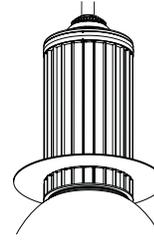
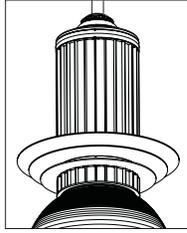
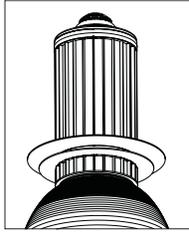
# ELCB Medium Wattage HID Series

## Element Comfort Bay

### Options (Factory Installed)

#### Decorative Baffle Options

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



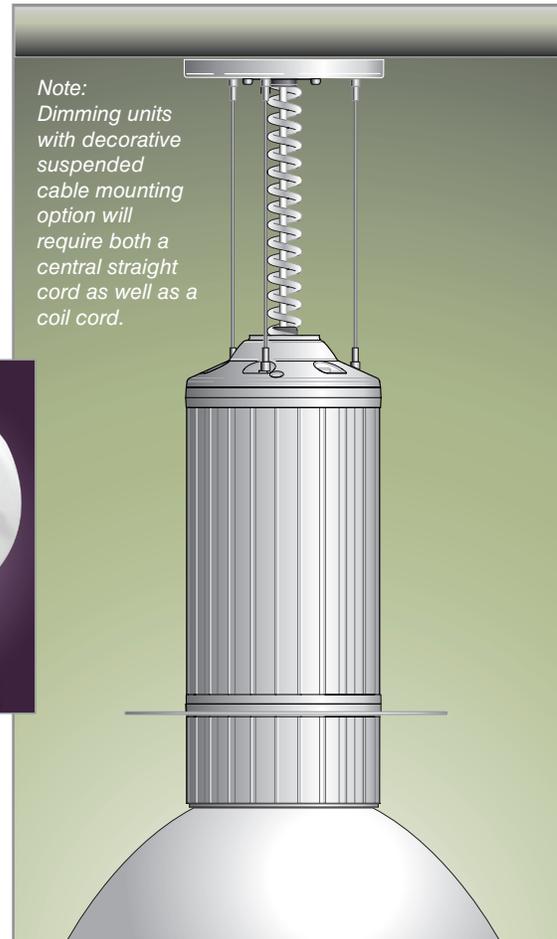
Note:  
Single Baffle is standard.

#### 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.



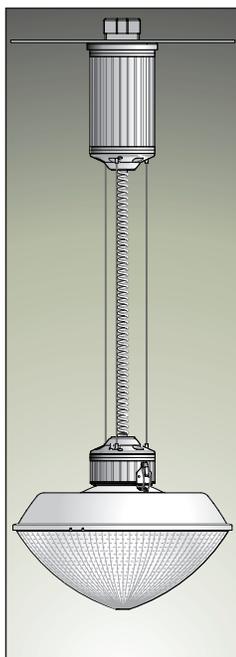
Note: Decorative Suspended Cable Mount Lower Lens options ( L1C, L1D, L1S, L2C, L2D, L2S) are not available in the Element Comfort Bay Series.

# ELCB Medium Wattage HID Series

## Element Comfort Bay

### Decorative Remote Ballast Mounting

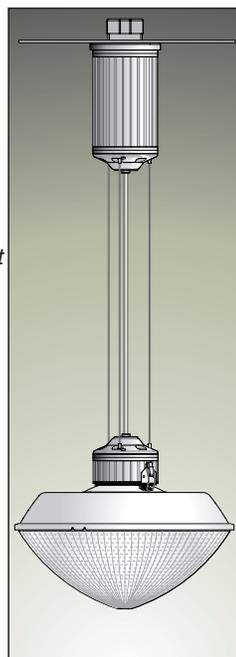
Note: Dimming or Non-Dimming units with LQ / LQ1 option require both a central straight cord as well as a coil cord.



dimming or non-dimming without LQ / LQ1

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

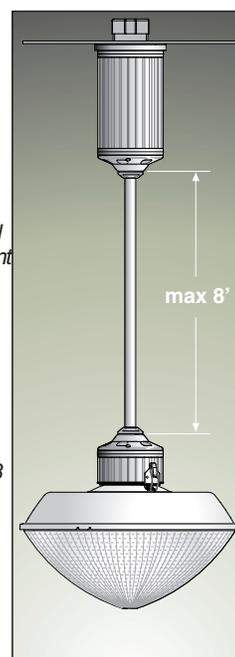
(X) = Cord length in feet: 3, 6 or 8 (max)



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

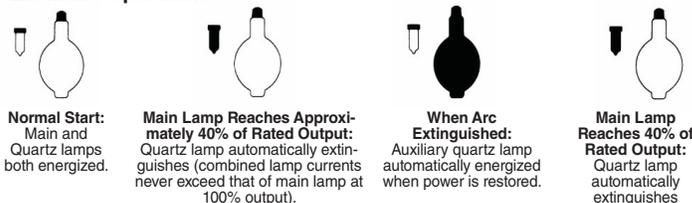
- RP(X)** Remote Ballast, Pendant Mount Luminaire mounted to 3/4" NPT rigid conduit

(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 =  F2 =

### 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

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.

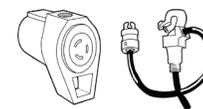
**When specified with LQ1**, unit is pre-wired with 5-conductor rubber jacketed cable and heavy duty (16/5) NEMA twist-lock plug (L2320P), along with die-cast hook with locking screw. 20A standard.



- 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

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

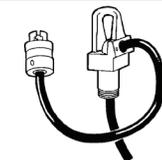
**When specified with LQ1**, Pendant Mounted Power Hook has an L2320R NEMA receptacle.



- 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

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.

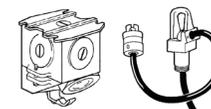
**When specified with LQ1**, unit is pre-wired with 5-conductor rubber jacketed cable and heavy duty (16/5) NEMA twist-lock plug (L2320P), with die-cast loop. 20A standard.



- 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

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

# ELCB Medium Wattage HID Series

## Element Comfort Bay

### Accessories (Field Installed - Shipped Separately)

#### Ballast Fusing

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

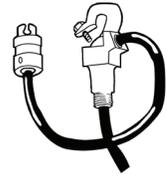
**F2-Kit** = Double Fuse, 208 / 240V

#### 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.

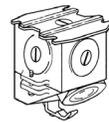
**When specified for unit equipped with LQ1**, 5-conductor rubber jacketed cable is required, which is wired to a heavy duty (16/5) NEMA twist-lock plug (L2320P), with die-cast loop. 20A standard.



- 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.**



**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](http://www.philips.com/luminaires)

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