

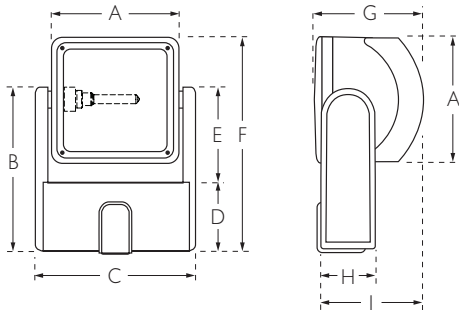
EFX Cosmopolis / MasterColor Elite Series

EFX Floodlight, 60-315W HID

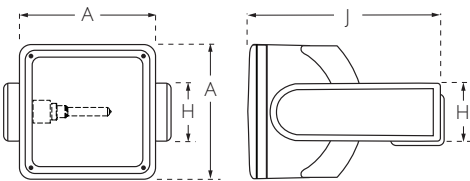
Type:	Job:						Approvals:
Catalog Number:							
- - - - -							
Series/Source-Wattage	Optics (Reflector)	E ballast Voltage (with Optional Dimming)	Mounting	Options (Factory Installed)	Finish	Accessories (Field Installed)	Date: Page 1 of 8

Overall Dimensions *For Reference Only*

EFX VM Vertical Mount



EFX HM Horizontal Mount



13" housing (60/90/140W)

A 13.3" (33.78cm)	B 16.8" (42.67cm)	C 16.2" (41.15cm)	D 7.0" (17.78cm)	E 9.8" (24.89cm)
F 22.2" (56.39cm)	G 11.3" (28.70cm)	H 6.3" (16.00cm)	I 10.9" (27.69cm)	J 19.1" (48.51cm)

19" housing (210/315W)

A 19.4" (49.28cm)	B 20.9" (53.09cm)	C 22.5" (57.15cm)	D 8.2" (20.83cm)	E 12.7" (32.26cm)
F 29.2" (74.17cm)	G 14.9" (37.85cm)	H 7.9" (20.07cm)	I 14.1" (35.81cm)	J 24.4" (61.98cm)

EPA = Effective Projected Area in Ft² Single standard unit

Vertical Mount		Horizontal Mount	
13" housing (60-140W)	2.7	13" housing (60-140W)	1.6
19" housing (210-315W)	5.1	19" housing (210-315W)	3.3

Weight (maximum)

Cosmopolis units (13" housing)	55 lbs. (24.97 kgs)	MasterColor Elite units (19" housing)	58 lbs. (26.31 kgs)
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Specifications



EFX Cosmopolis / MasterColor Elite HID Series

The EFX Cosmopolis and MasterColor Elite HID series of products utilize a special ceramic metal halide lamp and electronic ballast gear, providing the highest quality of white light in an extremely efficient and extended life package. Cosmopolis series is available in 60W, 90W and 140W systems. MasterColor Elite series is available in 210W and 315W systems.

Superior Lumen Maintenance and Added Energy Savings

The digitally microprocessor-controlled ignitor in the MasterColor Elite ballast gear virtually eliminates lamp electrode wear and arc tube wall blackening, helping to extend lamp life and increase lumen maintenance. The MasterColor Elite has a lumen maintenance rating greater than 80% at end of life (60%-70% for traditional sources).

Ballast Specification Overview

EFX Cosmopolis and MasterColor Elite ballasts have an extremely long, 60,000 hour life. 50/60 Hz. Both ballasts include built-in end of 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 35°C (95°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).

Dimming Capabilities

The BL option provides bi-level (Hi / Low) dimming to 50% power. The AD option provides analog (full range) dimming to 50% power. Available for 19" MasterColor Elite 210W and 315W units.

Housing

Die-cast aluminum housing shall be of marine-grade alloy. All hardware shall be corrosion resistant. Dust-Tite housing shall be totally sealed from particulate entry. Housing shall not incorporate weep holes, wicks or any route for direct exchange with outside air. Lens assembly shall be accessible with a single tool. The EFX shall consist of a separate ballast housing and optical housing supported by common die-cast aluminum arms to form an integral but separate assembly ensuring longer life and cooler operation. Standard unit constructed to IP65. MEFX Series, with Marine Listing, constructed to IP66.

Door Frame And Lens Assembly

Door frame shall be one piece die-cast aluminum secured by four captive stainless steel screws, and shall be retained by hinge for easy lamp access. Mechanical stops shall ensure proper compression of memory retentive gasket. Lens shall be 7/32" clear tempered glass to withstand thermal and physical shock. Cored holes in door frame shall allow means of attachment for glare shield, auxiliary polycarbonate lens, barn doors, auxiliary lens frame and wireguard assembly.

Optical Module

Reflectors shall be made of high purity anodized aluminum. Multi-faceted segmented reflectors shall have minimum reflectivity of 94% and shall be made of "Super Sheet" with inorganic dielectric coating. Quick disconnect optical assembly shall be field-rotatable and exchangeable.

Lamp / Socket

See distribution guide for details.

Mounting

Standard mounting for the EFX shall be provided in the ballast housing by means of a concealed, field-rotatable mastfitter; allowing different mounting profiles. Internal mastfitter shall be designed to fit either vertical or horizontal 2-3/8" O.D. tenon.

Finish

Ultra-Clad polyester powder coating, electrostatically applied and oven cured.

Listings

ETL/cETL Listed luminaire to the UL 1598 standards, suitable for Wet Locations. UL1598A Marine Listing available. The quality systems of this facility have been registered by UL to the ISO 9000 Series standards.

Warranty

Philips Gardco luminaires feature a 5 year limited warranty. See Warranty Information for complete details and exclusions. Polycarbonate lenses carry a 1 year warranty only.



Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled 'Contain Mercury' and/or with the symbol 'Hg'. Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycle and disposal can be found at www.lamprecycle.org.

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Vertical Mount



Horizontal Mount

Series/Source-Wattage	Optics (Reflector)	E ballast Voltage - Optional Dimming	Mounting
<input type="checkbox"/> M UL 1598A Marine Listing "M" prefix along with series designates UL 1598A Marine Listed option which includes additional Marine Grade gasketing. Unit is specially constructed with low copper content alloy (less than 0.4%) for corrosion control in harsh coastal and industrial environments or wherever marine type units are required. Meets U.S. Coast Guard specifications for marine type applications. Pulse Start Metal Halide Cosmopolis system ⁽¹⁾ <input type="checkbox"/> EFXP-60 60W Cosmopolis <input type="checkbox"/> EFXP-90 90W CosmoPolis <input type="checkbox"/> EFXP-140 140W CosmoPolis MasterColor Elite system ⁽²⁾ <input type="checkbox"/> EFXP-210 210W MasterColor Elite <input type="checkbox"/> EFXP-315 315W MasterColor Elite	<input type="checkbox"/> A Wide <input type="checkbox"/> B Rectangular <input type="checkbox"/> C Narrow by Wide <input type="checkbox"/> D Square <input type="checkbox"/> E Spot <input type="checkbox"/> AV Wide rotated 90° <input type="checkbox"/> BV Rectangular rotated 90° <input type="checkbox"/> CV Narrow by Wide rotated 90°	Voltage: <input type="checkbox"/> 120E Cosmopolis only <input type="checkbox"/> 208E <input type="checkbox"/> 240E <input type="checkbox"/> 277E Electronic ballast (standard) 60 / 90 / 140W Advance Cosmopolis system ballast (wattage specific) 210 / 315W Advance e-Vision system ballast (for 210 and 315 watt systems) Optional Dimming: <i>Available for 210W and 315W units only. Requires 0-10V low voltage wiring.</i> <i>Leave blank to specify non-dimming ballast.</i> <input type="checkbox"/> BL Bi-Level dimming (Hi / Low) to 50% power <input type="checkbox"/> AD Analog dimming (full range 0-50) to 50% power	<input type="checkbox"/> VM ³ Vertical mount <input type="checkbox"/> HM ² Horizontal mount <input type="checkbox"/> LB-MA2 optional Less Ballast with integral mastfilter (not available with marine listed, MEFX series) <input type="checkbox"/> LB-Y optional Less Ballast with integral mastfilter (not available with marine listed, MEFX series)

Options	Finish	Accessories (Ordered Separately)
<input type="checkbox"/> CSR Hot Quartz Restrike <input type="checkbox"/> LQ1 Separately Wired (120V) Hot/Cold Quartz Restrike <input type="checkbox"/> F1 Single Fuse, 277V <input type="checkbox"/> F2 Double Fuse, 208/240V <input type="checkbox"/> PCB208V 208V Photocell Button <input type="checkbox"/> PCB240V 240V Photocell Button <input type="checkbox"/> PCB277V 277V Photocell Button <input type="checkbox"/> GSL Glass Sag Lens	<input type="checkbox"/> BLP Black Paint <input type="checkbox"/> BRP Bronze Paint <input type="checkbox"/> NP Natural Paint <input type="checkbox"/> TSA Textured Satin Aluminum <input type="checkbox"/> WP White Paint <input type="checkbox"/> VP Verde Paint <input type="checkbox"/> OC Optional Color (specify RAL color) <input type="checkbox"/> SC Special Color Paint (specify, must supply color chip) <input type="checkbox"/> M(F) Marine Grade finish (specify finish)	<input type="checkbox"/> F1-KIT Single Fuse Kit (277V) <input type="checkbox"/> F2-KIT Double Fuse Kit (208/240V) <input type="checkbox"/> AL-40-EFX Clear Poly Auxiliary Lens (13" housing) <input type="checkbox"/> AL-10-EFX Clear Poly Auxiliary Lens (19" housing) <input type="checkbox"/> AL-40-EFX-(COLOR) Colored Poly Auxiliary Lens (13" housing, specify color) <input type="checkbox"/> AL-10-EFX-(COLOR) Colored Poly Auxiliary Lens (19" housing, specify color) <input type="checkbox"/> ALF-40-EFX Auxiliary Lens Frame (13" housing) <input type="checkbox"/> ALF-10-EFX Auxiliary Lens Frame (19" housing) <input type="checkbox"/> ALF-40-EFX-(*) Auxiliary Lens Frame with Colored Glass Lens (13" housing, specify color) <input type="checkbox"/> ALF-10-EFX-(*) Auxiliary Lens Frame with Colored Glass Lens (19" housing, specify color) <input type="checkbox"/> SK-40-EFX-(F) Glare Shield (13" housing, specify finish) <input type="checkbox"/> SK-10-EFX-(F) Glare Shield (19" housing, specify finish) <input type="checkbox"/> WG-40-EFX Wireguard (13" housing) <input type="checkbox"/> WG-10-EFX Wireguard (19" housing) <input type="checkbox"/> EFX-HD-BD-40-(F) Barn Doors (13" housing, specify finish) <input type="checkbox"/> EFX-HD-BD-10-(F) Barn Doors (19" housing, specify finish) <input type="checkbox"/> IGL-40-EFX Internal Louver (13" housing) <input type="checkbox"/> IGL-10-EFX Internal Louver (19" housing) <input type="checkbox"/> SMT-2-(F) Surface Mounting Tenon, 2-3/8" O.D. with flat mounting plate (specify finish) <input type="checkbox"/> JB-VMT-EFX-(F) Surface Junction Box with SMT-2 surface mounting tenon (specify finish) <input type="checkbox"/> PX-1 Cross Arm Bracket <input type="checkbox"/> FB-1 Flat Base Mount <input type="checkbox"/> SM-18-(F) 18" Stanchion Mount Bracket (specify finish) <input type="checkbox"/> CMC-EFX-(F) Ceiling Mount Bracket (specify finish) <input type="checkbox"/> WB-1 Wall Bracket <input type="checkbox"/> WB-5 Wiring Box for WB-1 <input type="checkbox"/> WMB-16.5-(F) Wall Mounting Bracket (specify finish) <input type="checkbox"/> MPA-16.5-(F) Mid Pole Adapter (specify finish) <input type="checkbox"/> PTA-H2180-11.0-(F) Pole Top Adapter, Two Lights, Horizontal Tenon (specify finish) <input type="checkbox"/> PTA-2180-16.5-(F) Pole Top Adapter, 2@180 (specify finish) <input type="checkbox"/> PTA-2090-16.5-(F) Pole Top Adapter, 2@90 (specify finish) <input type="checkbox"/> PTA-3090-16.5-(F) Pole Top Adapter, 3@90 (specify finish) <input type="checkbox"/> PTA-4090-16.5-(F) Pole Top Adapter, 4@90 (specify finish)

Notes

1) Philips Cosmopolis lighting system: 60W, 90W or 140W lamp with Advance CosmoPolis ballast. 13" housing.

2) Philips MasterColor Elite lighting system: 210W or 315W with Advance e-Vision ballast. 19" housing.

3) Concealed field-rotatable mastfilter allows vertical or horizontal mounting to 2-3/8" O.D. tenon.

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Specifications are subject to change without notice.

www.philips.com/luminaires

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Distribution Guide & Ballast Data ¹

Wattage	Housing Size	Available Optics	Lamp / Socket ²	Ballast	Initial Lamp Lumens	Lumens per Watt	Rated Life (hrs)	Line Current 208 / 240 / 277	Line Watts
PSMH 60	13"	A, B, C, D, E AV, BV, CV	CPO-TW 60W/728 PGZ12 socket	ICW60NLS	6,850	114	18,000	0.32 / 0.28 / 0.24	67
PSMH 90	13"	A, B, C, D, E AV, BV, CV	CPO-TW 90W/728 PGZ12 socket	ICW90MLS	10,450	116	20,000	0.47 / 0.41 / 0.35	99
PSMH 140	13"	A, B, C, D, E AV, BV, CV	CPO-TW 140W/728 PGZ12 socket	ICW140MLS	16,500	118	20,000	0.75 / 0.67 / 0.57	153
PSMH 210	19"	A, B, C, D, E AV, BV, CV	CDM Elite MW 210/T9/930/U/E PGZ18 socket	IZTMH210315RLF	24,200	115	24,000	1.20 / 1.00 / 0.82	227
PSMH 315	19"	A, B, C, D, E AV, BV, CV	CDM Elite MW 315/T9/930/U/E PGZ18 socket	IZTMH210315RLF	37,800	120	30,000	1.80 / 1.54 / 1.30	341

Notes

1) Photometry available online. IES file names reflect catalog logic.

2) 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.

210W / 315W CDM Elite MW lamps: (T9 clear) with a PGZ18 lamp base and socket.

Color Rendering: CRI = 90.


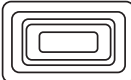



Color Temperature: CCT = 3000K (offers longest life).

To specify MasterColor Elite 4200K lamps:

210W: CDM Elite MW 210/T9/942/U/E (each lamp is rated at 20,000 hours with initial lamp lumens of 23,100)

315W: CDM Elite MW 315/T9/942/U/E (each lamp is rated at 20,000 hours with initial lamp lumens of 36,200)

Distribution Patterns and Beam Spreads

Reflector Type	PSMH Source	Wattage	Housing Size	Max Candle Power	H x V NEMA	10% Field Angle	50% Beam Angle
A Wide Beam 	Cosmopolis	60W	13"	3,433	7 x 5	146° x 88°	30° x 56°
	Cosmopolis	90W	13"	5,199	7 x 5	146° x 88°	30° x 56°
	Cosmopolis	140W	13"	8,210	7 x 5	146° x 88°	30° x 56°
	MasterColor Elite	210W	19"	15,991	6 x 5	127° x 82°	23° x 54°
	MasterColor Elite	315W	19"	25,029	6 x 5	127° x 82°	23° x 54°
B Rectangular Beam 	Cosmopolis	60W	13"	5,159	5 x 6	83° x 101°	52° x 26°
	Cosmopolis	90W	13"	7,813	5 x 6	83° x 101°	52° x 26°
	Cosmopolis	140W	13"	12,336	5 x 6	83° x 101°	52° x 26°
	MasterColor Elite	210W	19"	18,673	4 x 4	97° x 125°	64° x 27°
	MasterColor Elite	315W	19"	29,227	4 x 4	97° x 125°	64° x 27°
C Narrow by Wide Beam 	Cosmopolis	60W	13"	6,026	5 x 6	83° x 101°	69° x 16°
	Cosmopolis	90W	13"	9,126	5 x 6	83° x 101°	69° x 16°
	Cosmopolis	140W	13"	14,409	5 x 6	83° x 101°	69° x 16°
	MasterColor Elite	210W	19"	23,033	6 x 5	116° x 60°	75° x 22°
	MasterColor Elite	315W	19"	36,052	6 x 5	116° x 60°	75° x 22°
D Square Beam 	Cosmopolis	60W	13"	4,873	5 x 5	83° x 80°	47° x 48°
	Cosmopolis	90W	13"	7,380	5 x 5	83° x 80°	47° x 48°
	Cosmopolis	140W	13"	11,653	5 x 5	83° x 80°	47° x 48°
	MasterColor Elite	210W	19"	38,863	6 x 4	50° x 56°	23° x 28°
	MasterColor Elite	315W	19"	60,829	6 x 4	50° x 56°	23° x 28°
E Spot 	Cosmopolis	60W	13"	74,524	1 x 2	17° x 20°	3° x 5°
	Cosmopolis	90W	13"	112,868	1 x 2	17° x 20°	3° x 5°
	Cosmopolis	140W	13"	178,212	1 x 2	17° x 20°	3° x 5°
	MasterColor Elite	210W	19"	208,898	2 x 2	23° x 24°	9° x 9°
	MasterColor Elite	315W	19"	326,970	2 x 2	23° x 24°	9° x 9°

EFX Cosmopolis / MasterColor Elite Series

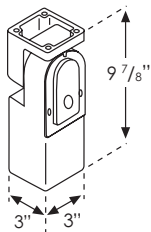
EFX Floodlight, 60-315W HID

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Optional Less Ballast mounting details (Specified on page 2) **Not available on MEFX units with UL 1598A Marine Listed option.**

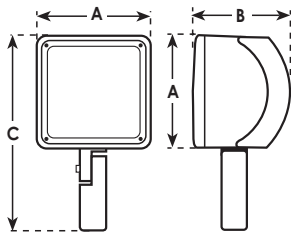
LB-MA2

Less Ballast with
Integral Mastfitter
(Specified as an optional
mounting configuration on
page 2)



Less Ballast construction with integral mastfitter for 2-3/8" O.D. pipe tenons. Die-cast mastfitter is adjustable through 180°.

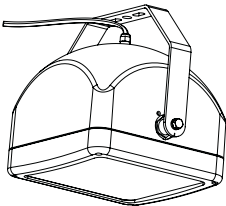
Dimensions	A	B	C
13" housing	13.3" (33.8 cm)	11.3" (28.7 cm)	23.3" (59.2 cm)
19" housing	19.4" (49.3 cm)	14.9" (37.8 cm)	29.3" (74.4 cm)



LB-Y

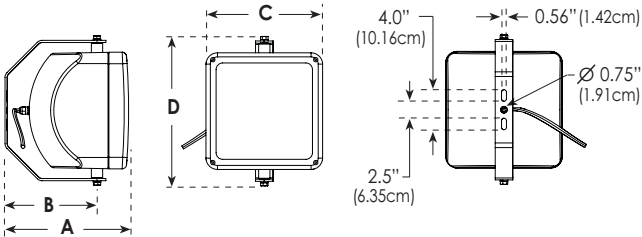
Less Ballast Yoke Mount
(Specified as an optional mounting
configuration on page 2)

Allows mounting to
any flat surface,
providing 360°
aiming capability.



S.O. cord with
optical lead allows
quick electrical
connections.

(Sag Lens
recommended
when aiming
straight up.)

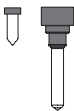


Dimensions	A	B	C	D
13" housing	14.05" (35.69cm)	10.50" (26.67cm)	13.31" (33.81cm)	16.99" (43.15cm)
19" housing	17.75" (45.09cm)	12.87" (32.69cm)	19.43" (49.35cm)	22.84" (58.01cm)

(Ballast is remote mounted)

Option details (Factory Installed)

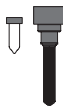
CSR Hot Quartz Restrike using Current Sensing Relay (without time delay)



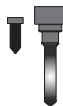
Extinguishes auxiliary quartz lamp when arc of the main MasterColor Elite HID lamp strikes.

Activation: At (initial) Cold Start or Restrike (after a momentary "Brown Out" or extended "Black Out" power interruption), through Run Down.

CSR Auxiliary Quartz Operation

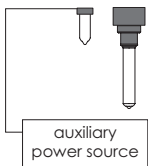


Normal Start:
Quartz lamp energized
until main MasterColor
Elite HID lamp strikes.



MasterColor Elite Lamp Reaches Full Brightness:
Auxiliary quartz lamp automatically extinguished
when main MasterColor Elite HID lamp strikes.
(Takes approximately 30 seconds to reach full
brightness.)

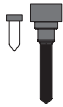
LQ1 Separately Wired (120V) Hot / Cold Quartz Restrike



Externally controlled emergency lighting from a
separate power source.
Quartz lamp is extinguished once power is
restored.

To ensure integrity of the emergency lighting
system, LQ1 leads should be hardwired.

LQ1 Emergency LiteMatic Operation



At AC Power Interruption:
During AC line voltage
power interruption,
auxiliary quartz lamp is
automatically energized
by separately wired
power source.



**Once Power is Restored, Quartz Lamp
Automatically Extinguishes:**

Used specifically for emergency lighting
during "Black Out" periods, or times of
extended power interruption. (Takes
approximately 30 seconds for MasterColor
Elite HID lamp to reach full brightness.)

Ballast Fusing

- F1** Single Fuse, 277V
 - F2** Double Fuse, 208 / 240V
- Voltage must be specified.

Photocontrol

- PCB208V** 208V Photocell Button
- PCB240V** 240V Photocell Button
- PCB277V** 277V Photocell Button

Optional Sag Glass Lens

GSL



Glass Sag Lens

When floodlight is aimed straight up, the
sag lens creates a self-cleaning feature.

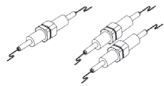
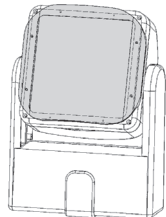
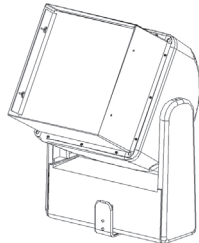
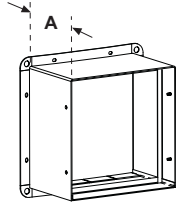
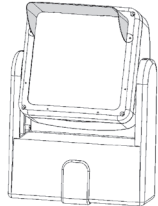
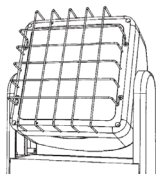
Recommended for installations requiring
vertical aiming of floodlight (glass lens up).

EFX Cosmopolis / MasterColor Elite Series

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Accessory details (Field Installed - Shipped Separately)

F1-KIT	Single Fuse, 277V	Consists of 1 or 2 fuse holders and 1 or 2 KTK 30 amp fuses.		
F2-KIT	Double Fuse, 208 / 240V			
<i>Note: Fusing not available on MEFX units (with UL 1598A Marine Listed "M" option).</i>				
AL-40-EFX	Clear Polycarbonate Auxiliary Lens for 13" housing	Provides additional protection of the glass lens.		
AL-10-EFX	Clear Polycarbonate Auxiliary Lens for 19" housing	Color coated polycarbonate lens available in a wide selection of colors, hues and shades.		
AL-40-EFX-(COLOR)	Colored Polycarbonate Auxiliary Lens for 13" housing	<i>Note: Efficiency of the luminaire is reduced significantly with the addition of a colored lens and varies with color saturation. Useful life is limited by UV discoloration from sunlight, mercury or metal halide lamps. Polycarbonate lenses carry a 1 year warranty. For assistance in color selection, consult factory.</i>		
AL-10-EFX-(COLOR)	Colored Polycarbonate Auxiliary Lens for 19" housing			
ALF-40-EFX	Auxiliary Lens Frame for 13" housing	Auxiliary lens frame (without colored glass lens) may be used as a snoot.		
ALF-10-EFX	Auxiliary Lens Frame for 19" housing			
ALF-40-EFX-(*)	Auxiliary Lens Frame with Colored Glass Lens for 13" housing	Auxiliary colored glass lens will not fade, an advantage over colored polycarbonate lens. Consult factory.		
ALF-10-EFX-(*)	Auxiliary Lens Frame with Colored Glass Lens for 19" housing	<i>Note: Efficiency of the luminaire is reduced with the addition of a colored lens and varies with color saturation and reflector type.</i>		
(*) Consult factory to specify lens color				
<i>Note: D or E reflectors are recommended with this accessory.</i>				
<i>Note: Consult factory when considering multiple externally mounted accessories. Mounting limitations may apply.</i>				
SK-40-EFX-(F)	Glare Shield for 13" housing	Fixed cutoff shield for additional glare control. Shield may also be mounted on bottom or side of fixture. Recommended finish is TBK (Textured Black).		
SK-10-EFX-(F)	Glare Shield for 19" housing			
F = Specify finish				
<i>Note: Consult factory when considering multiple externally mounted accessories. Mounting limitations may apply.</i>				
WG-40-EFX	Wireguard for 13" housing	Polished stainless steel wireguard.		
WG-10-EFX	Wireguard for 19" housing			
<i>Note: Consult factory when considering multiple externally mounted accessories. Mounting limitations may apply.</i>				

EFX Cosmopolis / MasterColor Elite Series

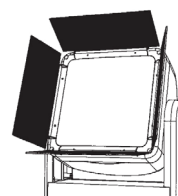
EFX Floodlight, 60-315W HID

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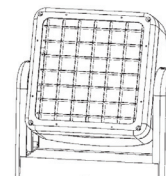
Accessory details, *continued* (Field Installed - Shipped Separately)

EFX-HD-BD-40-(F)	Barn Doors for 13" housing	Field adjustable shields on all four sides of optical opening.
EFX-HD-BD-10-(F)	Barn Doors for 19" housing	Recommended finish is TBK (Textured Black).
	F = Specify finish	

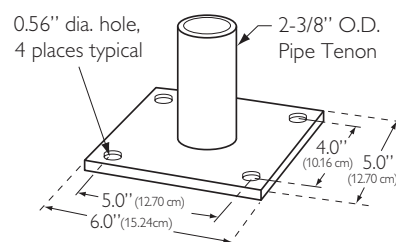
Note:
Consult factory when considering multiple externally mounted accessories. Mounting limitations may apply.



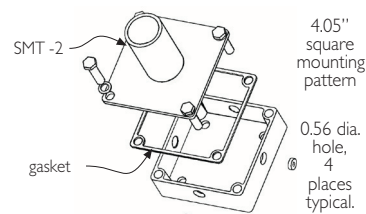
IGL-40-EFX	Internal Louver for 13" housing	Field adjustable internal grid louver to shield the arc tube from view (112° horizontally and 122° vertically max).
IGL-10-EFX	Internal Louver for 19" housing	Black finish.



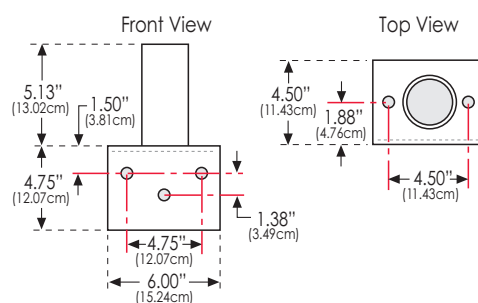
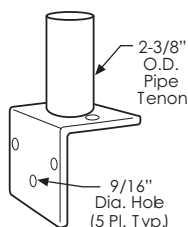
SMT-2-(F)	Surface Mounting Tenon with flat mounting plate	2-3/8" O.D. aluminum tenon welded to a flat aluminum plate with four 1/2" diameter mounting holes.
	F = Specify finish	Single floodlight may be pad mounted or wall mounted.
		Mounting hardware by others.



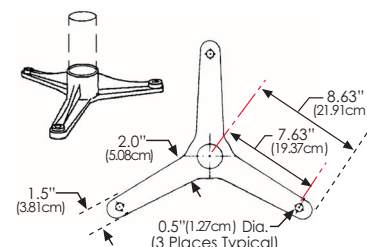
JB-VMT-EFX-(F)	Junction box with gasket and SMT-2	For mounting to flat surfaces when using surface mount conduit.
	F = Specify finish	Box has four 1/2" pipe entrances.
		Mounting hardware by others.



PX-1	Cross-arm Bracket	For installing floodlights on wooden or steel cross-arms.
		Cast aluminum angle bracket with 2" pipe stub.
		"L" base.

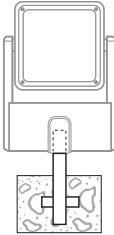
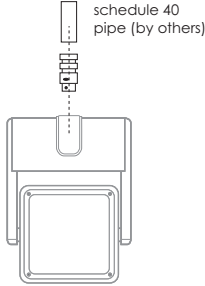
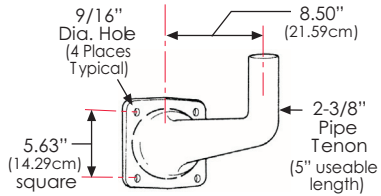
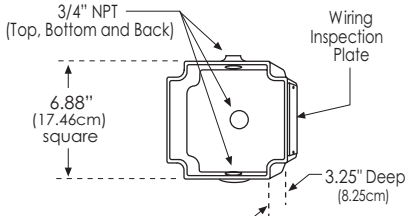
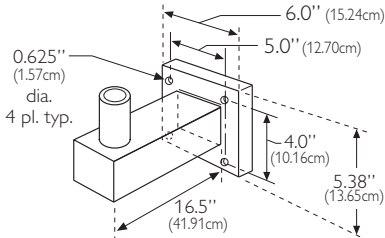
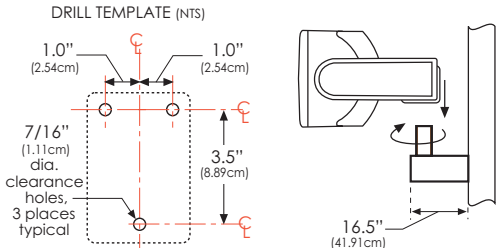


FB-1	Flat Base Mount	Cast aluminum mounting bracket for installing floodlights on flat horizontal surfaces.
		For use with 2-3/8" O.D. pipe tenon (by others).
		Limit tenon height to 8.0" (20.32cm).



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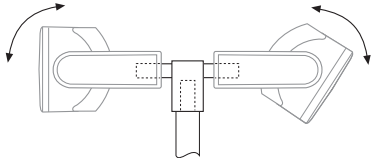
EFX Floodlight, 60-315W HID

Type:	Job:		Page 7 of 8
SM-18-(F)	Stanchion Mount Bracket F = Specify finish	<p>Stanchion mounting allows stable positioning of vertical tenon member in aggregate or substrate.</p> <p>2-3/8" O.D. aluminum tenon welded to a 2-7/8" stanchion.</p> <p>Standard length: 18"</p>	
CMC-EFX-(F)	Ceiling Mount Bracket F = Specify finish	<p>For indoor applications only.</p> <p>Permits installation of luminaires to ceilings.</p> <p>A schedule 40 pipe, 2-3/8" O.D. (by others), must be properly secured to structure.</p>	
WB-1	Wall Bracket	<p>Cast aluminum wall bracket for vertical surfaces only. Designed to permit mounting of floodlights on flat vertical surfaces.</p> <p>Use in conjunction with WB-5 for surface mounted wiring.</p>	
WB-5	Wiring Box for WB-1 and surface mounted conduit feed	<p>Used in conjunction with WB-1 for surface mounted wiring.</p> <p>Tapped top, back and bottom for 3/4" conduit or pipe.</p> <p>Gasket provided for sealing surface wiring box to WB-1 (wall mounting bracket).</p>	
WMB-16.5-(F)	Wall Mounting Bracket F = Specify finish Suitable for mounting single unit only.	<p>2-3/8" O.D. vertical tenon welded to extruded aluminum arm with removeable end cap for wiring.</p> <p>Arm is bolted to a cast aluminum plate that has four 5/8" diameter mounting holes.</p> <p>Mounting hardware by others.</p>	
MPA-16.5-(F)	Mid Pole Adapter F = Specify finish	<p>Extruded aluminum arm with 2-3/8" O.D. tenon with removeable end cap for wiring permits installation of a floodlight to straight square poles and allows horizontal aiming.</p> <p>Mounting hardware provided.</p> <p>Requires hand hold in pole opposite mounting bracket.</p>	

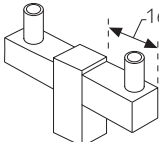
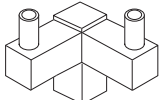
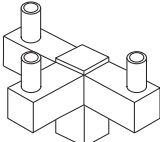
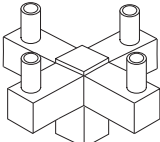
EFX Cosmopolis / MasterColor Elite Series

EFX Floodlight, 60-315W HID

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PTA-H2180-11.0-(F)	Pole Top Adapter with horizontal tenons F = Specify finish	2-3/8" O.D. horizontally mounted tenons welded to a cast aluminum pole top adapter for mounting to pole with 2-3/8" O.D. x 4" vertical tenon. <i>(To prevent possibility of rotation, one set screw must be removed from the mastfitter after the assembly is attached to the tenon, then the hole position must be partially drilled to allow set screw point to penetrate the tenon wall.)</i>	
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PTA-2180-16.5-(F)	Pole Top Adapter, 2@180°	Permits installation of luminaires equipped with mastfitter (MA2) in any of the configurations shown. Fits poles having a 2-3/8" OD x 4" vertical tenon.
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PTA-2090-16.5-(F)	Pole Top Adapter, 2@90°				
PTA-3090-16.5-(F)	Pole Top Adapter, 3@90°	additional EPA: 0.75 2 @ 180	additional EPA: 1.2 2 @ 90	additional EPA: 1.0 3 @ 90	additional EPA: 1.5 4 @ 90
PTA-4090-16.5-(F)	Pole Top Adapter, 4@90°	F = Specify finish			

Permits full horizontal adjustment of smaller units (13" housing); larger units (19" housing) have limited adjustment.
Vertically mounted 2-3/8" O.D. tenons welded to extruded aluminum arms with removeable end cap for wiring.
Arms bolted to cast aluminum pole top bracket.
Components shipped separately. Field assembly required.

Notes



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G200-142 06/13

Philips Lighting Company
200 Franklin Square Drive
Somerset, NJ 08873
Phone: 855-486-2216

Philips Lighting Company
281 Hillmount Road
Markham ON, Canada L6C 2S3
Phone: 800-668-9008