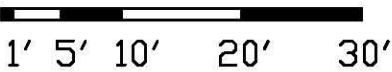
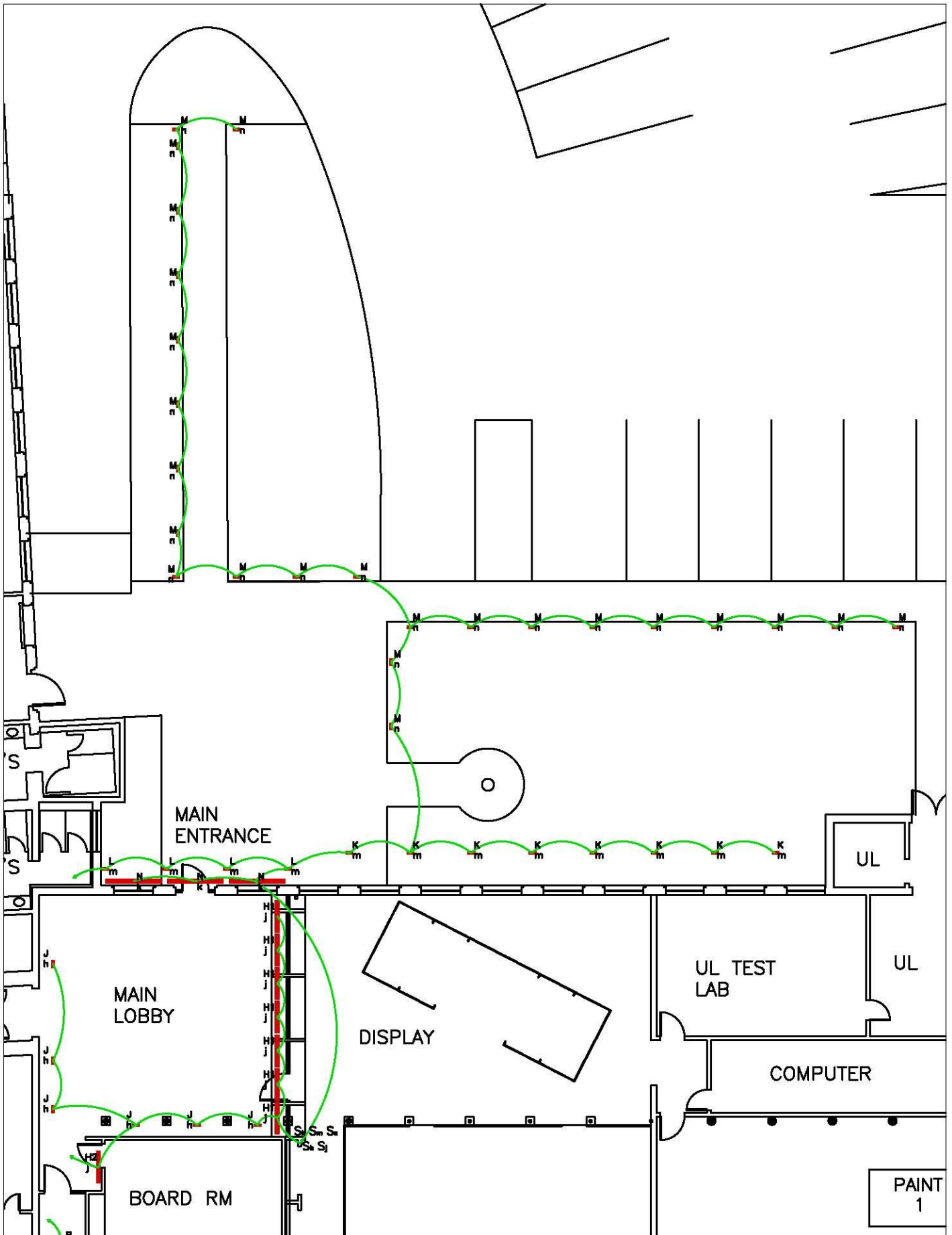


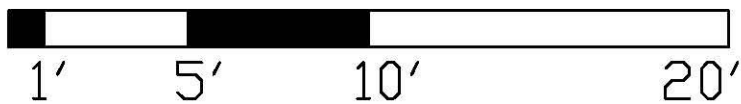
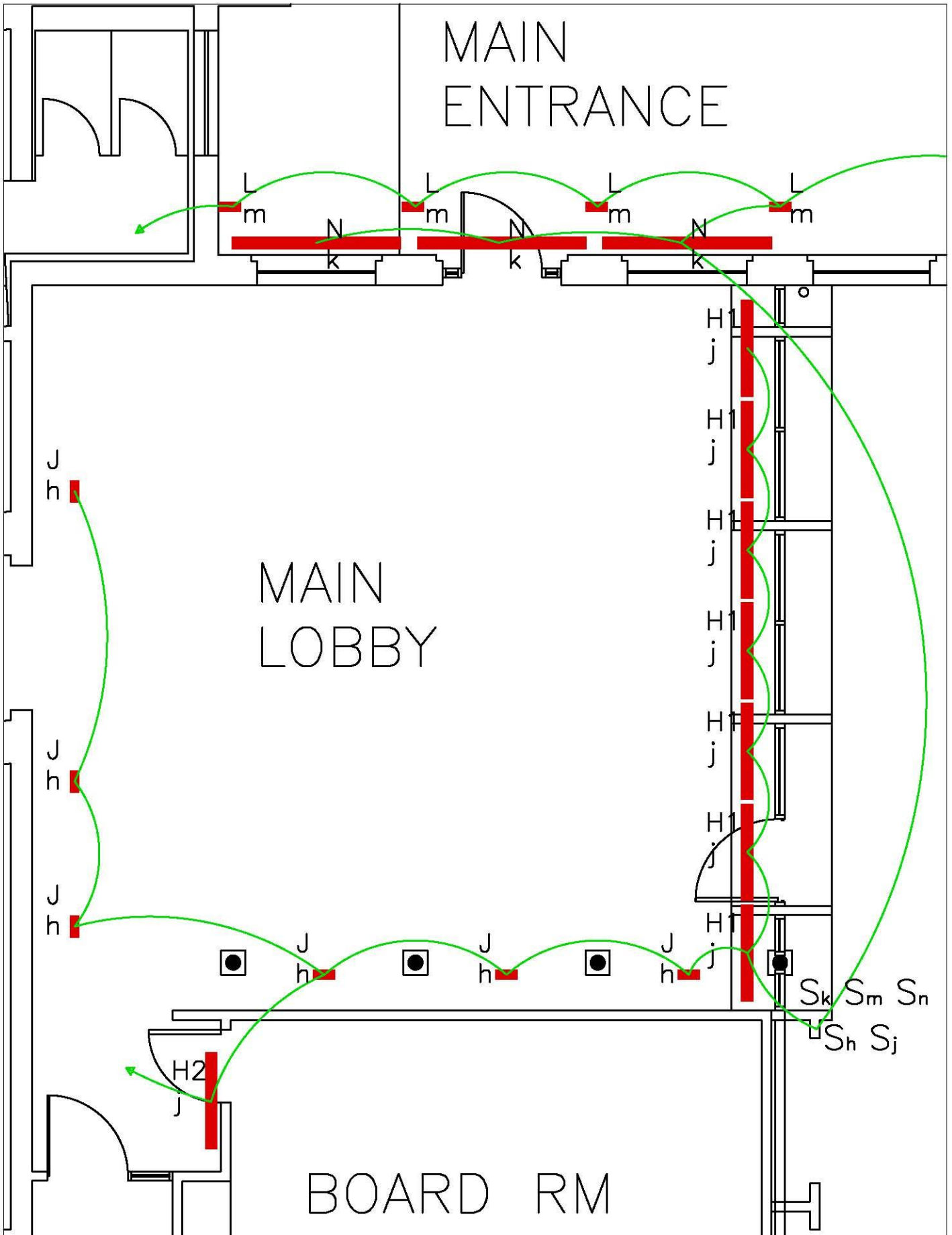
APPENDIX A

Lighting Plans:

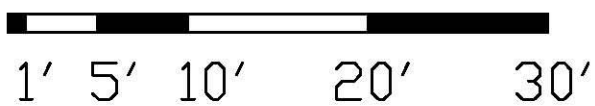
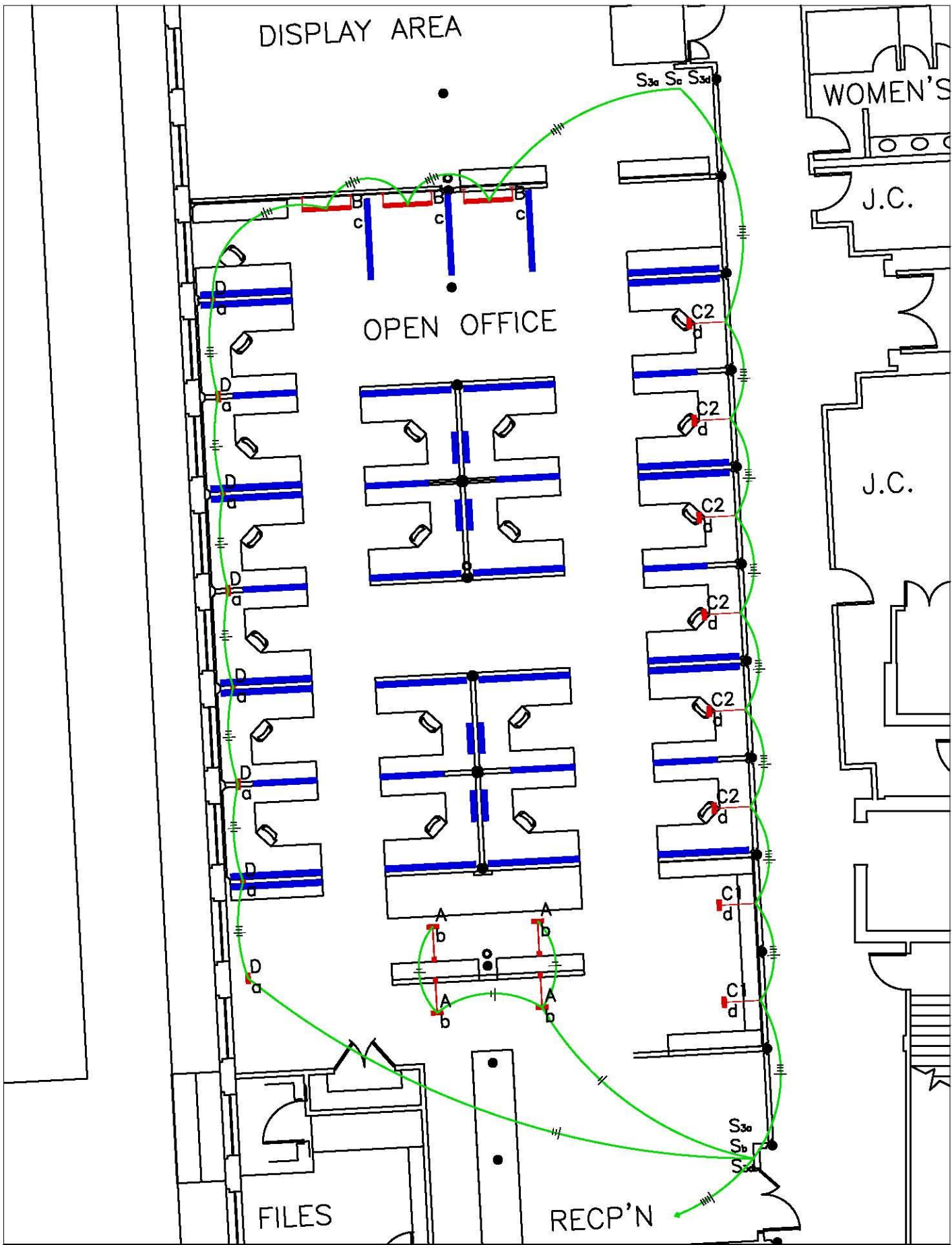
- Main Entrance
- Lobby
- Open Office
- Conference Room



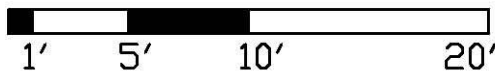
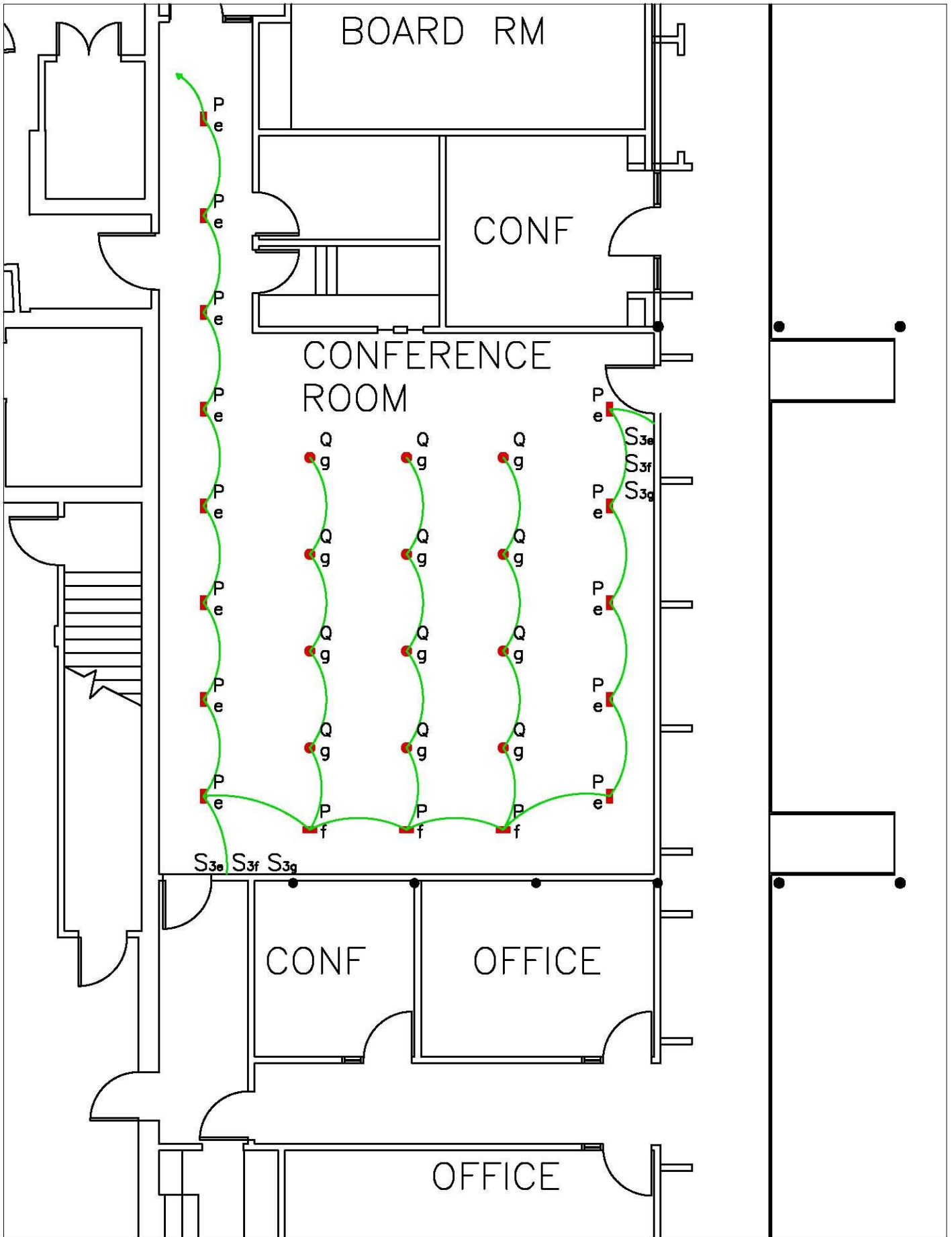
APPENDIX A
 LIGHTING PLAN
 MAIN ENTRANCE
 SCALE: 1/16"=1'-0"



APPENDIX A
 LIGHTING PLAN
 MAIN LOBBY
 SCALE: 3/16"=1'-0"



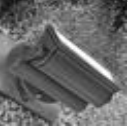
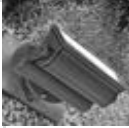


APPENDIX A
 LIGHTING PLAN
 OPEN OFFICE
 SCALE: 3/32"=1'-0"






APPENDIX A
 LIGHTING PLAN
 CONFERENCE ROOM
 SCALE: 1/8"=1'-0"

APPENDIX B






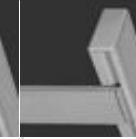
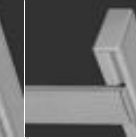
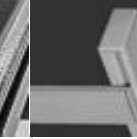
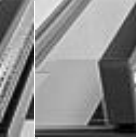

Luminaire Schedule: Main Entrance

Type	Image	Description	Manufacturer	Catalog No.	No. Lamps	Lamp Type	Watts	Ballast Type	BF	Voltage	Height
K		Asymmetrical Wall Washer	Elliptipar	M159	1	Metal Halide	35	Integral	> 0.85	120	0' 0"
L		Asymmetrical Wall Washer	Elliptipar	M159	1	Metal Halide	20	Integral	> 0.85	120	11' 5"
M		Asymmetrical Down Light	Elliptipar	M151	1	Metal Halide	20	Integral	> 0.85	120	3' 0"
N		Asymmetrical Up Light	Elliptipar	F151	2	3' T5 HO 4' T5 HO	39 55	Integral	> 0.85	120	8' 0"


Luminaire Schedule: Lobby

Type	Image	Description	Manufacturer	Catalog No.	No. Lamps	Lamp Type	Watts	Ballast Type	BF	Voltage	Height
H1		Asymmetrical Ceiling Washer	Elliptipar	F307	2	4'T5	2x28	Integral	> 0.85	120	8' 7"
H2		Asymmetrical Ceiling Washer	Elliptipar	F305	1	4'T5	28	Integral	> 0.85	120	8' 7"
J		Asymmetrical Wall Washer	Elliptipar	T102	1	Tungsten Halogen	100	Remote	> 0.85	120	8' 0"

Luminaire Schedule: Open Office

Type	Image	Description	Manufacturer	Catalog No.	No. Lamps	Lamp Typ.	Watts	Ballast Type	BF	Voltage	Height
A		Asymmetrical Wall Washer	Elliptipar	M101	1	Metal Halide	20	Remote	> 0.85	120	8'0"
B		Asymmetrical Wall Washer	Elliptipar	F101	1	4'T5	28	Remote	> 0.85	120	7'6"
C1		Asymmetrical Wall Washer	Elliptipar	M101	1	Metal Halide	35	Remote	> 0.85	120	7'0"
C2		Asymmetrical Wall Washer	Elliptipar	M101	1	Metal Halide	70	Remote	> 0.85	120	11'6"
D		Asymmetrical Wall Washer	Elliptipar	T099	1	Tungsten Halogen	150	Remote	> 0.85	120	10'0"
F1		Task Light	Tambient	P201	1	5'T5	35	Integral	> 0.85	120	4'3"
F2		Task Light	Tambient	P201	1	3'T5 HO	24	Integral	> 0.85	120	4'3"
F3		Task Light	Tambient	P201	2	3'T5 4'T5	21 28	Integral	> 0.85	120	4'3"
G1		Task-Ambient Light	Tambient	L201	1	5'T5	35	Integral	> 0.85	120	4'3"
G2		Task-Ambient Light	Tambient	L201	2	3'T5 4'T5	21 28	Integral	> 0.85	120	4'3"

Luminaire Schedule: Conference Room

Type	Image	Description	Manufacturer	Catalog No.	No. Lamps	Lamp Type	Watts	Ballast Type	BF	Voltage	Height
P		Semi-Recessed Wall Washer	Elliptipar	M203	1	Metal Halide	70	Integral	> 0.85	120	11' 0"
Q		Recessed Downlight	Edison Price	Arcite 38/5	1	HID PAR	100	Integral	> 0.85	120	11' 0"

APPENDIX C

Luminaire Cut Sheets:

- Elliptipar F101
- Elliptipar F115
- Elliptipar F151
- Elliptipar F305
- Elliptipar F307
- Elliptipar M101
- Elliptipar M151
- Elliptipar M159
- Elliptipar M203
- Elliptipar T099
- Elliptipar T102
- Tambient L201
- Tambient P201
- Edison Price Arclite 38/5

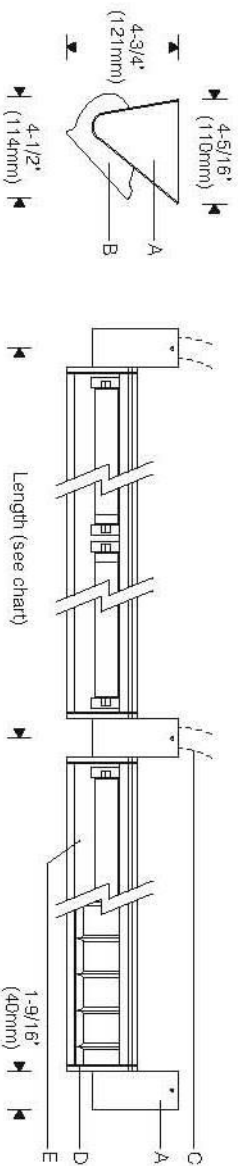
Lamp Information:

- The Lighting Quotient Lamp Information

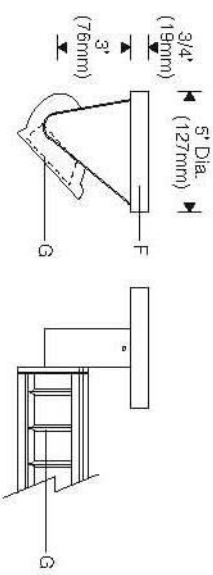
Ballast Information:

- The Lighting Quotient Indoor Ballast Information
- The Lighting Quotient Outdoor Ballast Information

Surface Mount: Conduit Feed 1:8 Scale



Surface Mount: Canopy 1:8 Scale



Nominal Lamp Length	Length (center to center of hangers)	
	T8	T5
1 x 2'	27-1/4" (692mm)	25-3/16" (640mm)
1 x 3'	39-1/4" (997mm)	37" (940mm)
1 x 4'	51-1/4" (1302mm)	48-13/16" (1240mm)
1 x 5'	63-1/16" (1602mm)	60-13/16" (1545mm)
2 x 3'	75-3/4" (1924mm)	72-13/16" (1849mm)
2 x 4'	99-3/4" (2534mm)	96-13/16" (2459mm)
2 x 5'	123-3/4" (3143mm)	120-13/16" (3069mm)

Specifications

- A** Aluminum hanger and splice cover
- B** Die-cast aluminum end plates
- C** Conduit feed (by others)
- D** Aluminum reveal plates (black)
- E** Specular extruded aluminum reflector
- F** Optional canopy for mounting to recessed outlet box (by others)
- G** Optional snap-in specular parabolic cross baffle

Finish:

Style 101 fluted – bright clear anodized aluminum housing. Painted end plates in choice of silver or semi-gloss black.
Style 102 smooth – semi-gloss white housing and end plates. Painted surfaces – 6 stage pretreatment and electrostatically applied thermoset powder coat for stable, long lasting and corrosion resistant finish.
 Reflector – extruded high purity aluminum with clear anodized specular finish. All luminaire hardware – stainless steel. All mounting hardware – zinc or cadmium plated.
Mounting:
 Surface mounting hangers (ordered separately); specify end and intermediate hangers.
 Surface hanger mounts directly to ceiling. To mount on recessed outlet box, specify optional canopy.

Electrical:

Use 90°C wire for supply connections.
 Remote electronic HPF thermally protected class P ballast (with end-of-life protection for T5 lamps). Aluminum ballast enclosure includes four 7/8" diameter entries and a knockout for an accessory fuse.
Maximum wire length between electronic ballast and fixture is 7' for two-lamp reflectors and 12' for one-lamp reflectors.
 For dimming, consult factory or see Styles 105/106 with integral dimming ballast.
 For complete ballast specifications, see Accessories Section.
Standard:
 UL listed or CSA certified for damp locations. Style 124 painted model with lens recommended for damp locations.

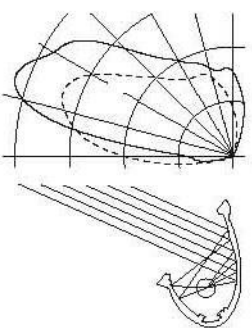


Features

- T5 and T8 lamps offer unequaled fluorescent wall lighting from close setbacks – electronic ballasts for low energy
- Adjustable reflector – tailor performance to wall height and setback distance
- Hanger allows direct conduit feed – optional canopy
- Optional parabolic cross baffle for lengthwise shielding

Performance

Two parabolic reflector sections drive light to the bottom of the wall. An elliptical section shields the lamp from normal viewing angles and redirects its light to a parabola. Glare is minimized and asymmetry of the beam is maximized resulting in high beam efficiency and superior surface uniformity.



For complete photometrics, see www.elliptipar.com.



To form a Catalog Number

F - - - - S - - - - - - - - -

1 Source

F = Linear fluorescent

2 Style

101 = Small fluted surface, remote ballast
102 = Small smooth surface, remote ballast

3 Lamp

= Lamp Code

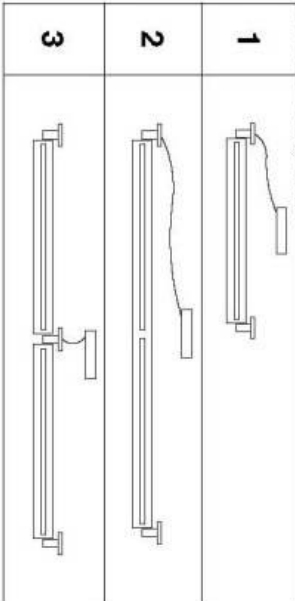
Lamp Wattage (see chart below)

Reflector Configuration, specify 1, 2 or 3 (see chart below)

A = T8 Fluorescent
T = T5 Fluorescent

Example: A325 = two nominal 3' reflectors, each for use with one 25W T8 lamp; one 2-lamp ballast

Reflector Configuration



Lamp Length (nominal)	Lamp Wattage (Lamp Number)		
	T8	T5	T5 HO
2'	17 (F17T8)	14 (F14T5)	24 (F24T5/HO)
3'	25 (F25T8)	21 (F21T5)	39 (F39T5/HO)
4'	32 (F32T8)	28 (F28T5)	55 (F54T5/HO)
5'	40 (F40T8)	35 (F35T5)	80 (F80T5/HO)

For complete lamp and ballast information, see Accessories Section. Standard T5 lamp color is 3000K/80+ CRI. T8 lamps by others.

Project:

4 Mounting

S = For use with surface mounted end and intermediate hangers (order separately).

5 Finish

Style 101 Fluted

01 = Bright aluminum housing with silver end plates

Style 102 Smooth

02 = Semi-gloss white reflector and end plates

81 = Bright aluminum housing with semi-gloss black end plates

99 = Custom RAL or computer matched color to be specified, consult sales representative

6 Voltage/Ballast

Electronic

1 = 120V
2 = 277V
3 = 347V (Canada)

Dimming*

* For dimming, consult factory or see Styles 105/106 with integral dimming ballast.

7 Option (See Accessories Section for specifications)

- 00 = No options
- 0B = Snap-in parabolic cross baffle, specular finish, provides 35° lengthwise shielding
- 0E = Remote emergency battery pack
- XX = For modification not listed, include detailed description. Consult factory prior to specification.

8 Destination Requirement

0 = UL listed or CSA certified for U.S.
J = UL listed or CSA certified for Canada

Example

F102 - A132 - S - 02 - 1 - 000

Small smooth surface model for use with one 32W T8 lamp in nominal 4 foot reflector. Semi-gloss white. Remote 1-lamp 120V electronic ballast. UL listed or CSA certified for U.S. Order surface mounting hangers separately.

Type:

Mounting Hangers

For individually mounted luminaires, order two end hangers for each reflector.

For a continuous row, order two end hangers. To determine the quantity of intermediate hangers, total the number of reflectors in the row and subtract one. Example: a row of five reflectors requires 2 end hangers and 4 intermediate hangers. **Note:** In determining hanger quantities, treat Reflector Configuration 3 as two reflectors.

V S S S S = Surface hanger

0 = U.S.

J = Canada

CF = Conduit feed

CA = Canopy for recessed outlet box

02 = semi-gloss white

07 = silver

08 = semi-gloss black

A = Intermediate

B = End

Accessories

Order separately. See Accessories Section for specifications.

AFK000X = Ballast fuse kit

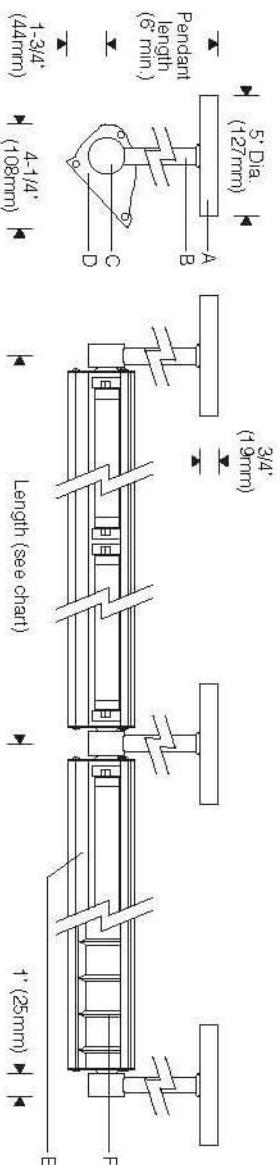
0 = U.S.

J = Canada

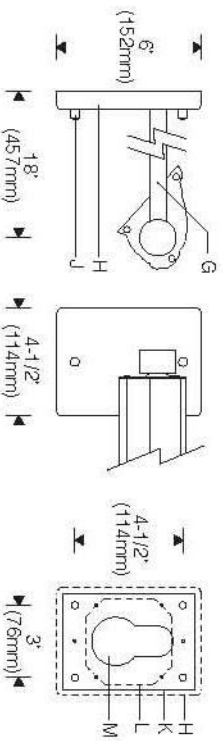


W
3.1

Pendant Mount 1:8 Scale



Cantilever Mount 1:8 scale



Mounting Plate

Nominal Lamp Length	Length (center to center of hangers)	
	T8	T5
1 x 2'	26-7/16" (672mm)	24-7/16" (621mm)
1 x 3'	38-7/16" (976mm)	36-1/4" (921mm)
1 x 4'	50-7/16" (1281mm)	48" (1219mm)
1 x 5'	62-5/16" (1583mm)	60" (1524mm)
2 x 3'	74-15/16" (1903mm)	72" (1829mm)
2 x 4'	98-15/16" (2513mm)	96" (2438mm)
2 x 5'	122-15/16" (3123mm)	120" (3048mm)

Specifications

- A** Round aluminum canopy (pendant mount)
- B** 1 1/16" O.D. aluminum pendant stem
- C** Machined aluminum mounting hub
- D** Contoured aluminum end plates
- E** Specular extruded aluminum reflector
- F** Optional snap-in specular parabolic cross baffle
- G** 1 1/16" O.D. cantilever arm
- H** Rectangular aluminum canopy (cantilever mount)
- J** Chrome cap nuts
- K** Cantilever mounting plate
- L** Outlet box (by others)
- M** Splice access opening

Finish:

Bright clear anodized aluminum housing with semi-gloss black end plates or all parts semi-gloss white. Hangers (ordered separately) in choice of semi-gloss white or black. Painted surfaces - 6 stage pretreatment and electrostatically applied thermoset powder coat for stable, long lasting and corrosion resistant finish.
 Reflector - extruded high purity aluminum with clear anodized specular finish. All luminaire hardware - stainless steel.
 All mounting hardware - zinc or cadmium plated.

Mounting:

Pendant or cantilever mounting hangers (ordered separately); specialty end and intermediate hangers.
 Pendant assembly furnished with canopy for mounting on recessed outlet box. Optional hang-straight allows mounting on slopes up to 45° (in the plane perpendicular to wall).
 Cantilever wall plate mounts over recessed outlet box (suitable backing structure required). Adjustable interface plate (concealed under canopy) allows for leveling of arms.

REV. 7/07

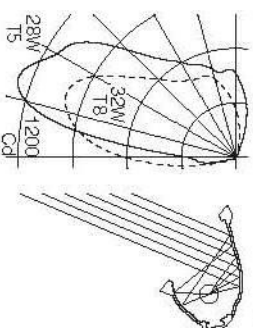


Features

- **KO Series** - unequaled linear fluorescent wall lighting for cost and energy conscious projects
- Machined aluminum mounting hub attaches to pendant stem or cantilever arm without exposed threads
- Extruded reflector - will not deform during maintenance
- Non-corrosive construction - aluminum and stainless steel

Performance

Two parabolic reflector sections drive light to the bottom of the wall. An elliptical section shields the lamp from normal viewing angles and redirects its light to a parabola. Glare is minimized and asymmetry of the beam is maximized resulting in high beam efficiency and superior surface uniformity.



For complete photometrics, see www.elliptipar.com.

elliptipar



To Order

KO Series® Style 115

To form a Catalog Number

F	1	1	5	-	X	-					
1	2	3	4	5	6	7	8				

1 Source

F = Linear fluorescent

2 Style

115 = Small KO Series contoured, remote ballast

3 Lamp

--	--	--	--	--	--	--	--	--

= Lamp Code

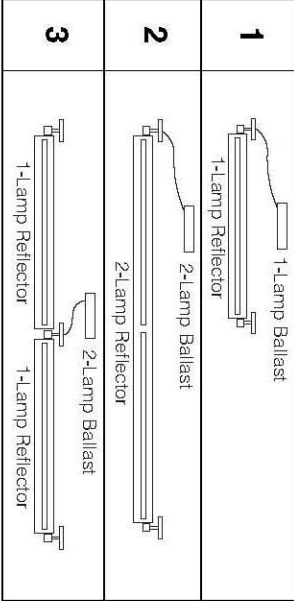
Lamp Wattage (see chart below)

Reflector Configuration, specify 1, 2 or 3
(see chart below)

A = T8 Fluorescent
T = T5 Fluorescent

Example: **A325** = two nominal 3' reflectors, each for use with one 25W T8 lamp; one 2-lamp ballast

Reflector Configuration



Lamp Wattage

Lamp Length (nominal)	Lamp Wattage (Lamp Number)		
	T8	T5	T5 HO
2'	17 (F17T8)	14 (F14T5)	24 (F24T5/HO)
3'	25 (F25T8)	21 (F21T5)	39 (F39T5/HO)
4'	32 (F32T8)	28 (F28T5)	55 (F54T5/HO)
5'	40 (F40T8)	35 (F35T5)	80 (F80T5/HO)

For complete lamp and ballast information, see Accessories Section. Standard T5 lamp color is 3000K / 80+ CRI. T8 lamps by others.

Project: _____

4 Mounting

X = For use with end and intermediate hangers. Available in pendant or cantilever (order separately).

5 Finish

81 = Bright clear anodized reflector with black end plates
02 = Semi-gloss white
99 = Custom RAL or computer matched color to be specified, consult sales representative
Note: specify hanger finish separately.

6 Voltage/Ballast

	Dimming*
1 = 120V	
2 = 277V	
3 = 347V (Canada)	

* For dimming, see Style 109 with integral dimming ballast.

7 Option (See Accessories Section for specifications)

00 = No options
0B = Snap-in parabolic cross baffle, specular finish, provides 36° lengthwise shielding
0E = Remote emergency battery pack
XX = For modification not listed, include detailed description. Consult factory prior to specification.

8 Standard

0 = UL, Underwriters Laboratories
J = CSA, Canadian Standards Association

Example

F115 - A140 - X - 81 - 3 - 00J

Small **KO Series** contoured unit consisting of one nominal 5' reflector for use with one 40W T8 lamp. Bright anodized aluminum reflector with black end plates. Remote 1-lamp 347V electronic ballast, CSA. (Order pendant or cantilever mounting hangers separately.)

Type: _____

Mounting Hangers

For individually mounted luminaires, order two end hangers for each reflector.

For a continuous row, order two end hangers. To determine the quantity of intermediate hangers, total the number of reflectors in the row and subtract one. Example: a row of five reflectors requires 2 end hangers and 4 intermediate hangers. Note: In determining hanger quantities, treat Reflector Configuration **3** as two reflectors.

HS = Cantilever hanger with wall plate, 18" (457mm) setback

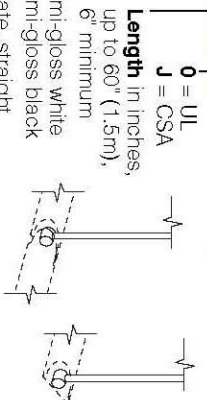


0 = UL
J = CSA

02 = Semi-gloss white
08 = Semi-gloss black

C = Intermediate
D = End

HS = Pendant hanger with canopy



Length in inches, up to 60" (1.5m), 6" minimum

02 = Semi-gloss white
08 = Semi-gloss black

F = Intermediate, straight
G = End, straight
J = Intermediate, swivel (up to 45°)
K = End, swivel (up to 45°)

Accessories

Order separately. See Accessories Section for specifications.

AFK000X = Ballast fuse kit

0 = UL
J = CSA



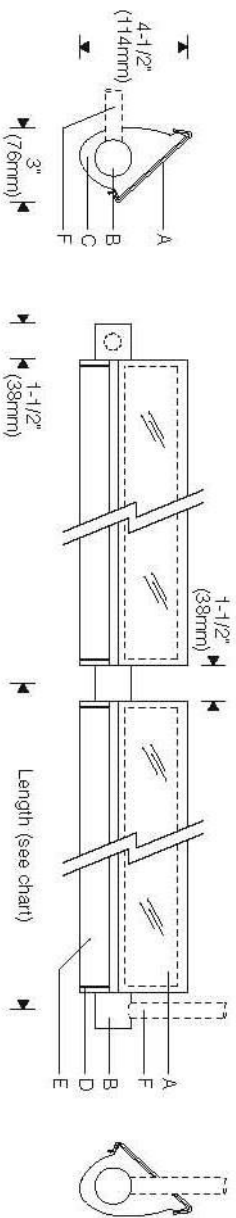
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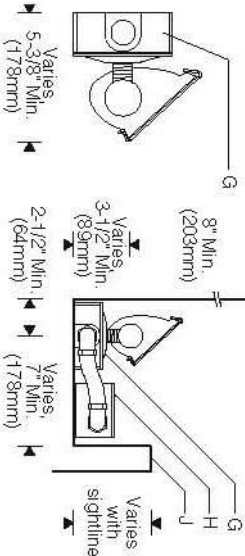
elliptipar
114 Boston Post Road, West Haven, Connecticut 06516, USA
Voice 203 931 4455 • Fax 203 931 4464 • www.elliptipar.com

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Cantilever / Pendant 1:8 Scale



Surface 1:8 Scale



Cove 1:12 Scale

Lamps	Length (center to center of hangers)	
	T8	T5
1 x 2'	27-1/8" (689mm)	25-1/16" (636mm)
1 x 3'	39-1/8" (994mm)	36-7/8" (936mm)
1 x 4'	51-1/8" (1299mm)	48-5/8" (1235mm)
1 x 5'	62-15/16" (1598mm)	60-5/8" (1539mm)
2 x 3'	75-5/8" (1921mm)	72-5/8" (1884mm)
2 x 4'	99-5/8" (2530mm)	96-5/8" (2454mm)
2 x 5'	123-5/8" (3140mm)	120-5/8" (3063mm)

Specifications

- A** UV and impact resistant acrylic snap-on lens with EPDM gasket
- B** Machined aluminum mounting hubs with o-ring gaskets (ordered separately)
- C** Die-cast aluminum end plates
- D** Aluminum reveal plates (black)
- E** Specular extruded aluminum reflector

- F** 1/2" rigid conduit cantilever or pendant supports (by others)
- G** Outlet boxes, liquid tight flexible conduit and fittings (by others)
- H** Remote ballast in weatherproof aluminum enclosure
- J** Architectural cove (for design guidance, see Applications Section)

Finish:

Exterior surfaces – 6 stage pretreatment and electrostatically applied thermoset polyester powder coating for a durable abrasion, fade and corrosion resistant finish. Choice of semi-gloss colors (see ordering information).

Reflector – extruded high purity aluminum with clear anodized specular finish. All hardware and components – non-corrosive stainless steel or aluminum.

Snap-on lens – composite of impact resistant and UV stabilized acrylic. EPDM gasket for watertight operation when facing upward.

Mounting:

Machined aluminum mounting hubs (ordered separately) with internal 1/2" NPT threaded entry, 1/2" rigid conduit supports or fittings (by others). Allow 2.5 lbs/foot of reflector (example: 8' unit x 2.5 = 20 pounds).

Specify intermediate and end hubs. Reflector is adjustable about the hubs. Aiming is locked in position with set screws in the hubs.

Electrical:

Use 90°C wire for supply connections.

Remote electronic, HPF thermally protected class P ballast rated for 0°F/-18°C starting. Weatherproof aluminum enclosure includes three 7/8" diameter entries and one 3/8" liquidtight conduit connector.

7' (2.1m) wire leads exit end of reflector. **Maximum wire length between remote ballast and fixture is 7' for two-lamp reflectors and 12' for one-lamp reflectors.**

For complete ballast specifications, see Accessories Section.

Standard:

UL listed or CSA certified for wet locations when mounted horizontally. For positions other than horizontal, consult factory.

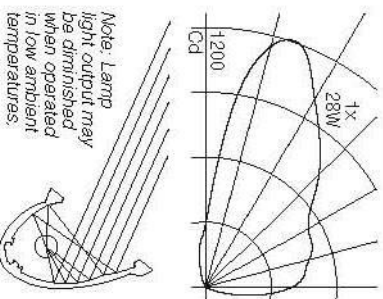


Features

- T5 for precise optical control – unequalled uniformity for uplighting soffits, vaults, canopies from minimal setbacks
- Snap-on impact and UV resistant acrylic lens with EPDM gasket – watertight for uplighting orientations
- Durable aluminum construction – extruded reflector, die-cast end plates, machined hubs, powder coat finish

Performance

Two parabolic reflector sections drive light across the overhead plane from one edge. An elliptical section redirects its light to a parabola and shields the lamp. Asymmetry is maximized resulting in high beam efficiency and superior surface uniformity. The fast "runback" minimizes wasted spill light.



For complete photometrics, visit www.elliptipar.com

To form a Catalog Number

F 1 5 1 - -H- - - - - - -

1 Source

F = Linear fluorescent

2 Style

151 = Small outdoor, remote ballast

3 Lamp

= Lamp Code

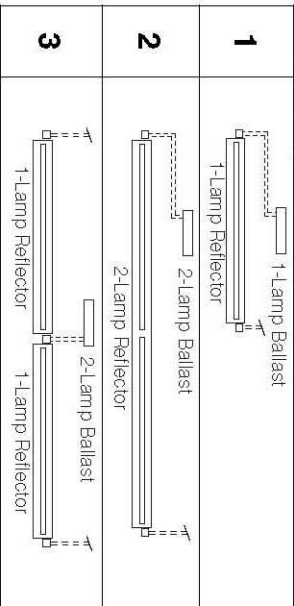
Lamp Wattage (see chart below)

Reflector Configuration, specify 1, 2 or 3 (see chart below)

A = T8 Fluorescent
T = T5 Fluorescent

Example: T328 = two nominal 4' reflectors, each for use with one 28W T5 lamp; one 2-lamp ballast

Reflector Configuration



Lamp Length (nominal)	Lamp Wattage (Lamp Number)		T5HO*
	T8	T5	
2'	17 (F17T8)	14 (F14T5)	24 (F24T5/HO)
3'	25 (F25T8)	21 (F21T5)	39 (F39T5/HO)
4'	32 (F32T8)	28 (F28T5)	55 (F54T5/HO)
5'	40 (F40T8)	35 (F35T5)	80 (F80T5/HO)

For complete lamp and ballast information, see Accessories Section. Standard T5 lamp color is 3000K/80+ CRI. T8 lamps by others. *NEW T5HO amalgam lamps are available that produce > 90% of full light output over a broader temperature range than standard lamps - see www.elliptipar.com or consult factory for specifications.



Project:

4 Mounting

H = For use with end and intermediate mounting hubs (order separately) with internal 1/2" NPT thread (1/2" rigid conduit supports or fittings by others).

Note: For positions other than horizontal, consult factory.

5 Finish

02 = Semi-gloss white

12 = Green

06 = Dark bronze

07 = Silver

08 = Semi-gloss black

99 = Custom RAL or computer matched color to be specified, consult sales representative.

6 Voltage/Ballast

Electronic

1 = 120V

2 = 277V

3 = 347V

7 Option

00 = No options

0D = Remote electronic ballast for dry indoor location

XX = For modification not listed, include detailed description. Consult factory prior to specification.

8 Destination Requirement

0 = UL listed or CSA certified for U.S.

J = UL listed or CSA certified for Canada

Example

F151 - T128 - H - 08 - 1 - 000

Small outdoor fluorescent for use with one 28W T5 lamp in nominal 4 foot reflector. For use with mounting hubs (1/2" rigid conduit supports by others). Semi-gloss black powder coat finish. Remote 1-lamp 120V electronic ballast in weatherproof enclosure. UL listed or CSA certified for U.S.

Order end and intermediate mounting hubs separately.

Type:

Hubs Only (order separately)

For use with 1/2" rigid conduit or fittings (supplied by others). Order one hub end kit for each individually mounted luminaire or each row. For a continuous row, order one intermediate hub for each additional luminaire in the row. Example: a row of five reflectors requires 1 hub end kit and 4 intermediate hubs.

HOD 000 = End kit (includes 2 mounting hubs)

5 Finish

HOC 000 = Intermediate mounting hub

5 Finish



Hubs with Hangers (order separately)

Order one hanger end kit for each individually mounted luminaire or each row. For a continuous row, order one intermediate hanger for each additional luminaire in the row. Example: two rows of four reflectors requires 2 end kits and 6 intermediate hangers. Note: Hubs included. End kit includes one electrical feed hanger.

HB 00 = Outdoor surface hanger

0 = U.S., J = Canada

5 Finish

A = Intermediate

B = End kit

HB = Outdoor pendant hanger

0 = U.S., J = Canada

5 Finish

F = Intermediate

G = End kit

HB = Outdoor cantilever hanger

0 = U.S., J = Canada

5 Finish

C = Intermediate

D = End kit

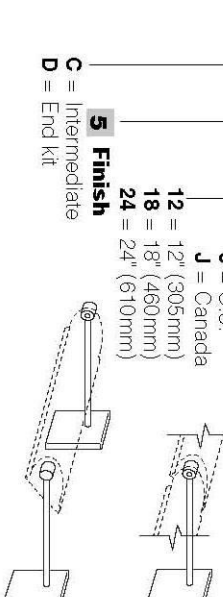
HB = Outdoor cantilever hanger

0 = U.S., J = Canada

5 Finish

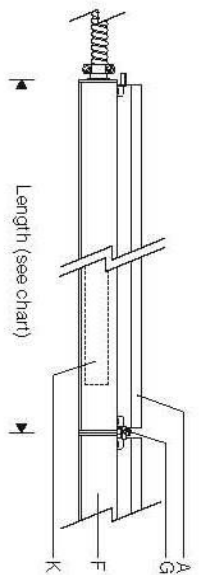
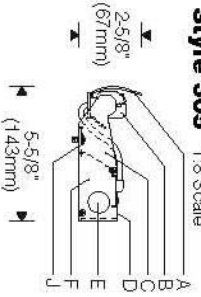
C = Intermediate

D = End kit



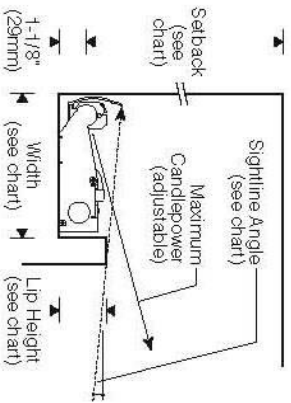
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Style 305 1:8 Scale



Lamp Length	Luminaire Length
1 x 2'	23-1/16" (586mm)
1 x 3'	34-7/8" (886mm)
1 x 4'	46-1/16" (1186mm)
1 x 5'	58-1/2" (1486mm)
2 x 3'	69-1/2" (1765mm)
2 x 4'	93-1/8" (2365mm)
2 x 5'	116-5/8" (2963mm)

Cove



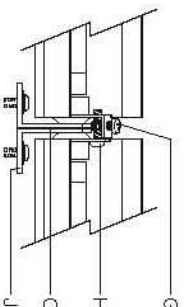
(max. candlepower aimed 15° above horiz.)

Sightline	0° horiz. cutoff	5°	10°
Width (inside)	6-1/2" (165mm)	5-7/8" (150mm)	5-7/8" (150mm)
Lip (inside)	2-5/8" (67mm)	2-1/8" (54mm)	1-5/8" (41mm)
Setback (varies)	Recommended minimum: 12" T5, 18" T5HO		

Note: Finish interior of cove matte white for best results.

Joint 1:4 Scale

(ballast compartment not shown for clarity)



Specifications

- A** Specular extruded aluminum reflector
- B** Stainless steel lamp-holder/support brackets
- C** Aluminum sidestream mounting tab
- D** Extruded aluminum ballast/wireway channel cover
- E** Conduit entry (one each end, conduit and connector by others)
- F** Extruded aluminum ballast/wireway compartment
- G** Rotation locking screw
- H** Joiner/alignment screw
- J** Mounting tab (fastener by others)
- K** Integral electronic ballast

Finish:

Reflector – extruded high purity aluminum with clear anodized specular finish. Sidestream and ballast/wireway compartment – mill finish aluminum. All luminaire hardware – stainless steel.

Mounting:

Lay-in installation requires only one fastener per joint (by others). Sidestreams with mounting tabs can be base or wall mounted. Luminaires can be mounted individually or joined together to form a continuous row.

Reflector aiming is adjustable and is fixed in position by rotation locking screws at each sidestream. When mounted in a continuous row, joiner screws lock reflectors together allowing all in the row to be aimed together.

Standard:

UL listed or CSA certified for damp locations (Style 124 painted model with lens recommended for damp locations).

Electrical:

Use 90°C wire for supply connections.

Integral electronic HPF thermally protected class P ballast with end-of-life protection. Ballast/wireway compartment includes one conduit entry at each end. Channel cover removes for access to ballast and wiring. Luminaires may be butted end-to-end (connectors by others) for through wiring. Optional #12 AWG prewired modular through wiring with quick connectors. Master/satellite combination is available (Configuration 3, see Ordering Information). Master supplied with 2-lamp ballast (wiring, conduit and connectors between master and satellite units by others).

Optional electronic dimming ballast, compatible dimmer switch required (by others). Consult sales representative for compatibility and specifications.

Optional integral emergency battery operates one lamp. Separate unswitched supply is required.

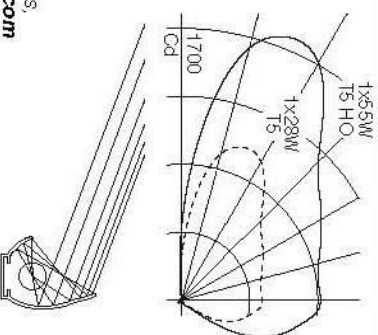
For complete ballast specifications, see Accessories Section.

Features

- T5 fluorescent – precise optical control for unequaled projection of light from perimeter coves
- Adjustable – all reflectors in a row join and aim together, rotation locking screws secure position*
- Only 2-5/8" high – fits in low profile coves
- Integral electronic ballast, thru wiring for easy installation

Performance

Two parabolic reflector sections drive light across the ceiling from one edge. An elliptical section shields the lamp from normal viewing angles and redirects its light to a parabola. Glare is minimized and asymmetry of the beam is maximized resulting in high beam efficiency and superior surface uniformity.



For complete photometrics, visit theLightingquotient.com



To Order

Style 305

To form a Catalog Number

F 3 0 5 - T - S - 0 0 - - - - - -

1 Source

F = Linear fluorescent

2 Style

305 = Xtra small concealed, integral ballast

3 Lamp

Note: To order by overall row length, enter ROW CODE in place of Lamp Code below (see Row Charts on page C-19.2). Row Code specifies a row complete with all necessary reflectors and ballasts

T = Lamp Code (to specify individual units)

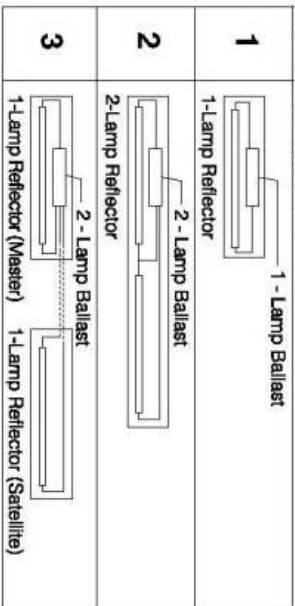
Lamp Wattage (see chart below)

Reflector Configuration, specify 1, 2 or 3

(see chart below)

Example: T228 = two 28W T5 lamps in nominal 8' reflector; one 2-lamp ballast

Reflector Configuration



Lamp Wattage	Lamp Length	Lamp Number
T5 Fluorescent		
14	2'	F-14T5
21	3'	F-21T5
28	4'	F-28T5
35	5'	F-35T5
T5 HO Fluorescent*		
24	2'	F24T5/HO
39	3'	F39T5/HO
55	4'	F54T5/HO
80	5'	F80T5/HO

For complete lamp and ballast information, see Accessories Section. Standard T5 and T5HO lamp color is 3000K/80+ CRI.

Project:

4 Mounting

S = Slidearms with mounting tabs

5 Finish

00 = Bright anodized reflector with mill finish ballast compartment

6 Voltage/Ballast

Electronic

1 = 120V

2 = 277V

3 = 347V (Canada)

Dimming*

T = 120V

V = 277V

* Consult sales representative for dimming 5' lamps (lamp codes TX35, TX80) and for Reflector Configuration 3. Availability for wattages and voltages varies with ballast manufacturer and control type - see theightingquotient.com for additional dimming specifications and limitations.

7 Option (see Accessories Section for specifications)

00 = No options

0E = Integral emergency battery pack with indicator lamp and test button. Operates one lamp. Available in nominal 4', 6' and 8' units only (lamp codes T128, T221, T228, T328, T155, T239, T255 and T355).

0K = Prewired modular #12 AWG through wiring with quick connectors

EK = Combination of emergency battery pack and prewired modular through wiring as described above

XX = For modification not listed, include detailed description. Consult factory prior to specification.

8 Destination Requirement

0 = UL listed or CSA certified for U.S.

J = UL listed or CSA certified for Canada

Example

F305 - T221 - S - 00 - 1 - 000

Xtra small concealed fluorescent unit consisting of one nominal 6' reflector with two 21W T5 lamps. Integral 120V electronic 2-lamp ballast. Slidearms with mounting tabs. UL listed or CSA certified for U.S.

Type:

Accessories

Order separately. See Accessories Section for specifications.

AFK000X = Ballast fuse kit

0 = U.S.

J = Canada



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12/09

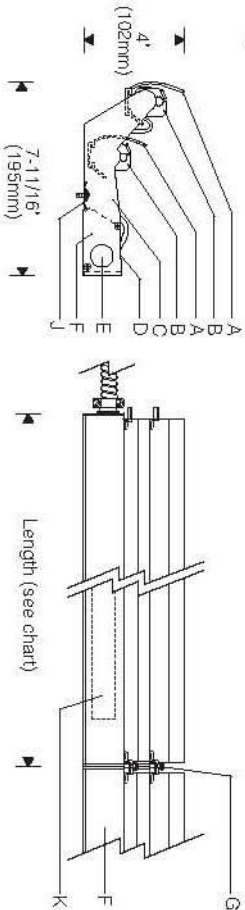
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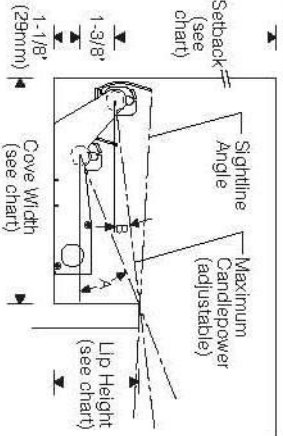
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Style 307 1:8 Scale



Lamp Length	Luminaire Length
1 x 2'	23-1/16" (586mm)
1 x 3'	34-7/8" (886mm)
1 x 4'	46-11/16" (1186mm)
1 x 5'	58-1/2" (1486mm)
2 x 3'	69-1/2" (1765mm)
2 x 4'	93-1/8" (2365mm)
2 x 5'	116-5/8" (2963mm)

Cove



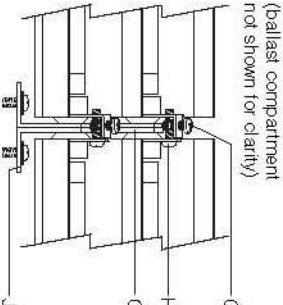
Cove Dimensions

Sightline	0° (horiz. cutoff)	5°	10°
Width (inside)	1-1" (280mm)	9"	8"
Lip (inside)	4"	3-1/4"	2-5/8"
Setback (varies)	Recommended minimum: 18" T5, 24" T5HO		
∠ A°	20°	20°	17°
∠ B°	8°	5°	5°

Note: Finish interior of cove matte white for best results.

*Adjustable aiming, lowest angle listed.

Joint 1:4 Scale



Specifications

- A** Specular extruded aluminum reflector
- B** Stainless steel lamp-holder/support brackets
- C** Aluminum sidearm with mounting tab
- D** Extruded aluminum ballast/wireway channel cover
- E** Conduit entry (one each end, conduit and connector by others)

- F** Extruded aluminum ballast/wireway compartment
- G** Rotation locking screw
- H** Joiner/alignment screw
- J** Mounting tab (fastener by others)
- K** Integral electronic ballast

Finish: Reflectors – extruded high purity aluminum with clear anodized specular finish. Sidearms and ballast/wireway compartment – mill finish aluminum. All luminaire hardware – stainless steel.

Mounting: Lay-in installation requires only one fastener per joint (by others). Luminaires can be mounted individually or joined together to form a continuous row.

Reflector aiming is adjustable and is fixed in position by rotation locking screws at each sidearm. When mounted in a continuous row, joiner screws lock each row of reflectors together allowing all in the row to be aimed together. Each row of reflectors is aimed independently.

Electrical: Use 90°C wire for supply connections. Integral electronic, HPF thermally protected class P ballast with end-of-life protection. Ballast/wireway compartment includes one conduit entry at each end. Channel cover removes for access to ballast and wiring. Luminaires may be butted end-to-end (connectors by others) for through wiring. Optional #12 AWG prewired modular through wiring with quick connectors. Optional electronic dimming ballast; compatible dimmer switch required (by others). Consult sales representative for compatibility and specifications. Optional integral emergency battery operates one lamp. Separate unswitched supply is required. For complete ballast specifications, see Accessories Section.

Standard: UL listed or CSA certified for damp locations (Style 124 painted model with lens recommended for damp locations).

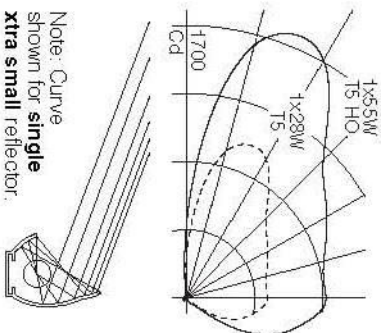


Features

- Two independently aimed reflectors – greater versatility
- T5 fluorescent – precise optical control for unequaled projection of light from perimeter coves
- Adjustable – each row of reflectors joins and aims together; rotation locking screws secure position
- Integral electronic ballast, thru wiring for easy installation

Performance

Each reflector consists of two parabolic reflector sections to drive light across the ceiling from one edge. An elliptical section shields the lamp from normal viewing angles and redirects its light to a parabola. Glare is minimized and asymmetry of the beam is maximized resulting in high beam efficiency and superior surface uniformity. Reflectors aim independently.



To Order

Style 307

To form a Catalog Number

F 3 0 7 - T - S - 0 0 0 - - - - - -

1 Source

F = Linear fluorescent

2 Style

307 = Dual xtra small concealed, integral ballast

3 Lamp

Note: To order by overall row length, enter **ROW CODE** in place of Lamp Code below (see Row Charts on page C-22.2). Row Code specifies a row complete with all necessary reflectors and ballasts.

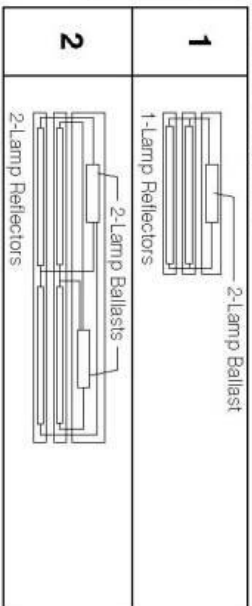
T = Lamp Code (to specify individual units)

Lamp Wattage (see chart below)

Reflector Configuration, specify **1** or **2** (see chart below)

Example: **T228** = four 28W T5 lamps in two nominal 8' reflectors; two 2-lamp ballasts

Reflector Configuration



Lamp Wattage	Lamp Length	Lamp Number
T5 Fluorescent		
14	2'	F14T5
21	3'	F21T5
28	4'	F28T5
35	5'	F35T5
T5 HO Fluorescent*		
24	2'	F24T5/HO
39	3'	F39T5/HO
55	4'	F54T5/HO
80	5'	F80T5/HO

For complete lamp and ballast information, see Accessories Section. Standard T5 and T5HO lamp color is 3000K/80+ CRI.

Project:

4 Mounting

S = Sidearms with mounting tabs for cove mounting

5 Finish

00 = Bright anodized reflectors with mill finish ballast compartment

6 Voltage/Ballast

Electronic

1 = 120V

2 = 277V

3 = 347V (Canada)

Dimming*

T = 120V

V = 277V

* Consult sales representative for dimming 5' lamps (lamp codes **TX35**, **TX80**). Availability for wattages and voltages varies with ballast manufacturer and control type – see thelightingquotient.com for additional dimming specifications and limitations.

7 Option (see Accessories Section for specifications)

00 = No options

0E = Integral emergency battery pack with indicator lamp and test button. Operates one lamp. Available in nominal 4', 6' and 8' units only (lamp codes **T128**, **T221**, **T228**, **T155**, **T239** and **T255**).

0K = Prewired modular #12 AWG through wiring with quick connectors

0W = Two circuit wiring for switching front reflector separate from back reflector

Available in nominal 4', 6' and 8' units only (lamp codes **T128**, **T221**, **T228**, **T155**, **T239** and **T255**). Not for use with **0E** option (battery pack) or with **T**, **V** voltage (dimming); consult factory.

EK = Combination of emergency battery pack and prewired modular through wiring as described above

XX = For modification not listed. Include detailed description. Consult factory prior to specification.

8 Destination Requirement

0 = UL listed or CSA certified for U.S.

J = UL listed or CSA certified for Canada

Example

F307 - T221 - S - 00 - 1 - 000

Dual xtra small concealed fluorescent unit consisting of two nominal 6' reflectors with four 21W T5 lamps. Two integral 120V electronic 2-lamp ballasts. Sidearms with mounting tabs. UL listed or CSA certified for U.S.

Type:

Accessories

Order separately. See Accessories Section for specifications.

AFK000X = Ballast fuse kit

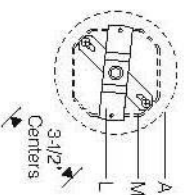
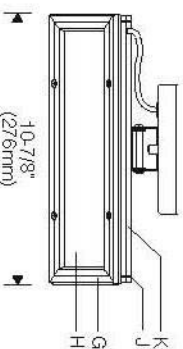
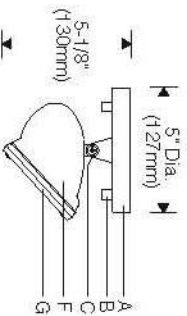
0 = U.S.

J = Canada



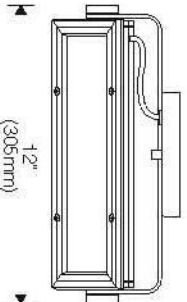
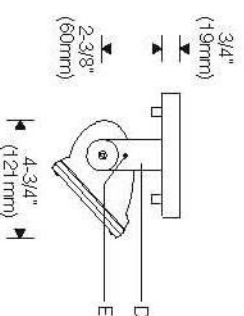


C Mount 1:8 Scale



Canopy

E Mount 1:8 Scale



Specifications

- A** Aluminum canopy
- B** Chrome cap nuts
- C** Bright stainless steel adjustable bracket
- D** Aluminum yoke
- E** Locking set screw
- F** Die-cast end plates
- G** Milled extruded aluminum door frame with silicone gasket

- H** Micro-prismatic tempered glass lens
- J** Aluminum reveal plates (black)

- K** Specular extruded aluminum reflector
- L** Pivoting hanger bar
- M** Recessed outlet box (by others)

Finish:

Style 101 fluted – bright clear anodized aluminum housing and door frame. Painted end plates, yoke and canopy in choice of silver or semi-gloss black.

Style 102 smooth – semi-gloss white exterior, door frame, end plates, yoke and canopy.

Painted surfaces – 6 stage pretreatment and electrostatically applied thermoset powder coat for stable, long lasting and corrosion resistant finish.

Reflector – extruded high purity aluminum with clear anodized specular finish. All luminaire hardware – stainless steel.

All mounting hardware – zinc or cadmium plated.

Mounting:

Canopy mounts over recessed outlet box.

Pendant or cantilever ordered separately; specify **X** mount.

Track mounting available for tungsten halogen units; specify **K** mount. **Consult factory.**

Electrical:

Use 90°C wire for supply connections.

Tungsten halogen – recessed single contact (RSC) or DC bayonet lampholders retained with patented clamping supports for maximum heat dissipation.

Metal halide – G12 lampholder for use with single ended lamp. Remote encapsulated high reactance autotransformer ballast (35W and 70W) or electronic ballast. Electronic ballast provides improved voltage regulation, energy savings and automatic shut-off feature to eliminate end-of-life lamp cycling.

For complete ballast specifications, see Accessories Section.

Standard:

UL listed or CSA certified for damp locations (Style 102 painted model recommended for damp locations). Where pendant or cantilever may be exposed to wind, consult factory.

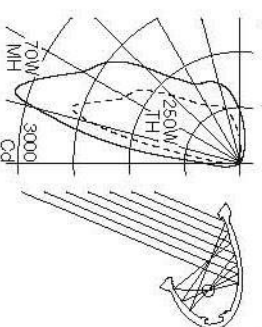


Features

- Die-cast end plates join at articulated black reveals; machined aluminum knobs – no exposed fasteners.
- All joints are gasketed – keep dirt and moisture out; prevent light leaks, maintain performance
- Non-corrosive aluminum or stainless steel construction
- Compact yet powerful – up to 250W halogen, 150W MH

Performance

Two parabolic reflector sections drive light to the bottom of the wall. An elliptical section shields the lamp from normal viewing angles and redirects its light to a parabola. Glare is minimized and asymmetry of the beam is maximized resulting in high beam efficiency and superior surface uniformity.



For complete photometrics, see www.elliptipar.com.



To Order

Style 101 / 102

To form a Catalog Number

1 2 3 4 5 6 7 8

1 Source

- M = Metal halide
- T = Tungsten halogen

2 Style

- 101 = Small fluted surface, **remote** ballast
 - 102 = Small smooth surface, **remote** ballast
- Note:** for damp locations, Style 102 is recommended.

3 Lamp

Lamp Code	Wattage	Lamp Number	Voltages	Remote Distance
035G	35	CDM35/T6/830	1, 2	15' (4.5m)
			A, B	10' (3m)
070G	70	CDM70/T6/830	1, 2	15' (4.5m)
			A, B	20' (6m)
150G	150	CDM150/T6/830	1, 2	15' (4.5m)
Tungsten Halogen				
0100	100	Q100DC	A	
0150	150	Q150DC	A	
0200	200	Q200T3	A	
0250	250	Q250DC	A	

For complete lamp and ballast information, see Accessories Section.
* Standard lamp color is 3000K/80+ CRI.

4 Mounting

- C = Adjustable back bracket on ceiling canopy
 - E = External yoke on ceiling canopy
 - X = External yoke for use with accessory cantilever or pendant mounting assembly (order separately)
 - K = Track mounted (tungsten halogen only)
- Note: Consult factory for available track manufacturers and types.**

Project:

5 Finish

- Style 101 Fluted**
- 01 = Bright aluminum housing and door frame with silver end plates, yoke and canopy
 - 81 = Bright aluminum housing and door frame with semi-gloss black end plates, yoke and canopy
- Style 102 Smooth**
- 02 = Semi-gloss white housing, end plates, door frame, yoke and canopy
 - 99 = Custom RAL or computer matched color to be specified, consult sales representative

6 Voltage/Ballast

- Electronic**
 - 1 = 120V
 - 2 = 277V
- Magnetic***
- A = 120V
 - B = 277V
- *35W or 70W Metal Halide or Tungsten Halogen (120V)

7 Option (See Accessories Section for specifications)

- 00 = No options
- 0H = Long distance remote ballast (encapsulated magnetic ballast for 35 and 70W only), 35W: 15' min. up to 50' max. (4.5m - 15m), 70W: up to 50' max. (15m)
- 0M = MRI medical facility use (halogen E mount only)
- 0P = Natrium (pool) use, tungsten halogen or metal halide unit with remote ballast located outside the pool environment (Style 102 smooth painted unit only)
- 0Q = Natrium (pool) use, remote ballast suitable for use in pool environment (Style 102 smooth painted unit only)
- 0R = Halogen standby lamp with relay field connected at remote ballast. Lamp included (wattage varies).
- XX = For modification not listed, include detailed description. Consult factory prior to specification.

8 Destination Requirement

- 0 = UL listed or CSA certified for U.S.
 - J = UL listed or CSA certified for Canada
- Note:** Not applicable to **K** mount.

Example

M102 - 070G - E - 02 - A - 0Q0

Small smooth surface model for use with 70 watt metal halide lamp. Mounted with external yoke on ceiling canopy. Semi-gloss white. Remote 120V magnetic ballast. Luminaire and ballast suitable for natrium (pool) use. UL listed or CSA certified for U.S.

Type:

Accessories

Order separately. See Accessories Section for specifications.

VCS 30 = Cantilever, 30" (760mm) setback

0 = U.S.
J = Canada

- 02 = semi-gloss white
- 07 = silver
- 08 = semi-gloss black



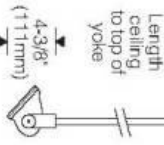
VP = Wallwash pendant

0 = U.S.
J = Canada

Length in inches

(54" (1.4m) max. for TH, 42" (1.0m) max. for MH)

- 02 = semi-gloss white
- 07 = silver
- 08 = semi-gloss black



L = straight
E = swivel (up to 45°)

AEBV 000 = External vertical blade baffle, black

2 = 25° shielding
4 = 45°



AUV00 0 = Ultraviolet (UV) filter lens

01 = Style 101
02 = Style 102



ACF = Stripped glass color filter. Integral to door frame.



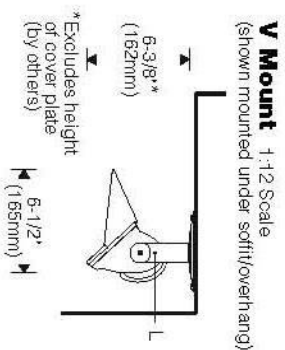
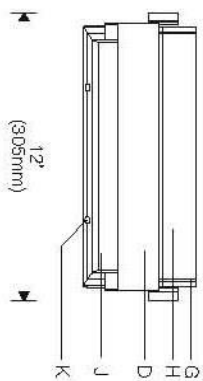
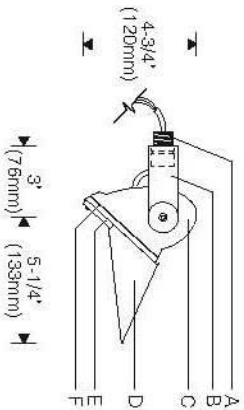
Note: Color filters limited to maximum 200W halogen, 70W CMH. Consult factory for complete specifications and ordering information.

AFK00X = Ballast fuse kit

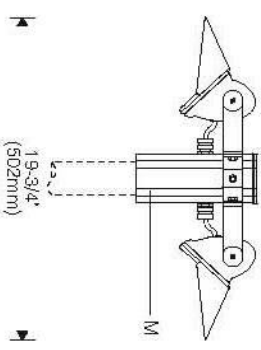
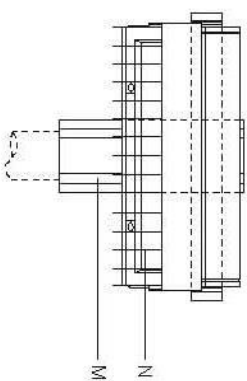
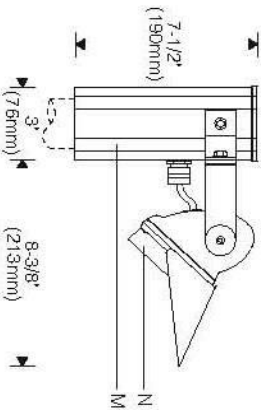
0 = U.S.
J = Canada



V Mount 1:8 Scale



Slipfitter: Single Unit 1:8 Scale (For use with X Mount)



Slipfitter: Double 1:1.2 Scale

Specifications

- A** 1/2" NPT nipple
- B** Aluminum yoke
- C** Die-cast end aluminum plates
- D** Aluminum cutoff visor (included)
- E** Milled extruded aluminum door frame
- F** Pre-cured silicone door and lens gasket
- G** Aluminum reveal plates (black)
- H** Specular extruded aluminum reflector
- J** Micro-prismatic, thermal and impact resistant tempered glass lens
- K** Temper-resistant captive door screws
- L** Locking set screw
- M** Accessory extruded aluminum slipfitter for 2-3/8" O.D. tenon or pole
- N** Accessory vertical blade cross baffle (black)

Finish:

Exterior surfaces – 6 stage pretreatment and electrostatically applied thermoset polyester powder coating for a durable abrasion, fade and corrosion resistant finish. Choice of semi-gloss colors (see ordering information).

Reflector – extruded high purity aluminum with clear anodized specular finish. All hardware and components – non-corrosive stainless steel or aluminum. Door secured with captive temper-resistant (#10 Torx) screws in stainless steel threaded reflector inserts to prevent seizing. Yoke attaches with recessed hex socket screws.

Mounting:

1/2" NPT nipple (wet location outlet box and outlet box cover or fitting by others).
Accessory slipfitter (ordered separately) for 2-3/8" O.D. pole, tenon or stanchion (by others). Side-mount for single or double (back-to-back) units, specify **X** mount.

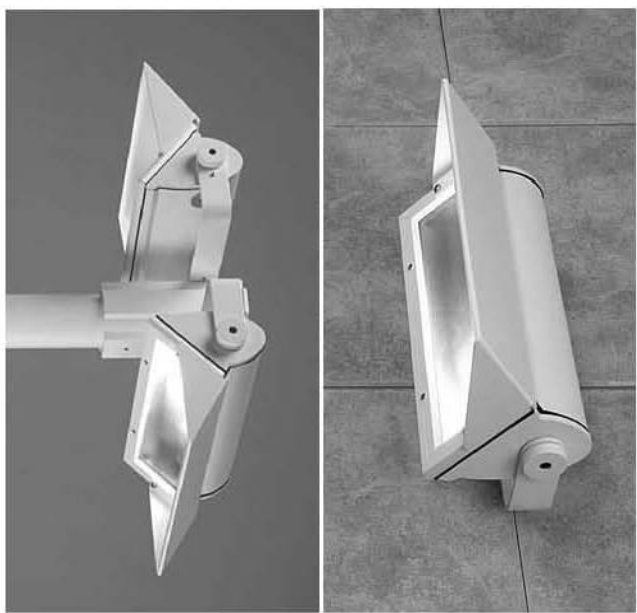
Electrical:

Use 90°C wire for supply connections. Leads exit reflector through watertight fluted cord entry and silicone coated fiberglass sleeving with 8" (2m) exposed beyond nipple. 60° (1.5m) leads for **X** mount.

Tungsten halogen – recessed single contact (RSC) or DC bayonet lampholders retained with patented clamping supports for maximum heat dissipation.

Metal halide – G12 lampholder for use with single ended lamp. Remote high reactance autotransformer ballast (-20°F/-30°C starting) or electronic ballast (5°F/-15°C starting). Die-cast aluminum weatherproof ballast enclosure includes four 1/2" NPT threaded entries. Electronic ballast provides improved voltage regulation, energy savings and automatic shut-off feature to eliminate end-of-life lamp cycling. Optional remote ballast for dry indoor location.

For complete ballast specifications, see Accessories Section. **Standard:** UL listed or CSA certified for wet locations.

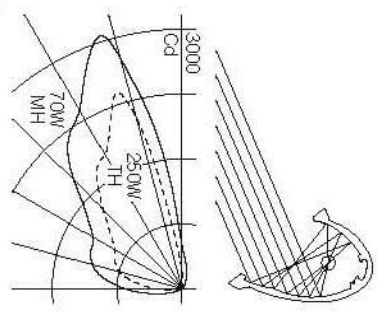


Features

- High performance asymmetric lighting for broad areas where pedestrian scale, controlled distribution are desired
- Compact yet powerful – up to 250W halogen, 150W MH
- Durable and secure – thermal and impact resistant lens, temper-resistant fasteners, set screw in yoke locks aiming
- Non-corrosive – aluminum and stainless steel construction

Performance

Two parabolic reflector sections drive light across the ground plane from one edge. An elliptical section redirects its light to a parabola and shields the lamp. Asymmetry is maximized resulting in high beam efficiency and superior surface uniformity. Fast "runback" minimizes wasted spill and trespass light. Wide lateral distribution permits greater spacings.



To Order

Style 151

To form a Catalog Number

1 5 1 - - - - - - V

1 2 3 4 5 6 7 8


1 Source

- M** = Metal halide
T = Tungsten halogen

2 Style

- 151** = Small outdoor, remote ballast

3 Lamp

Lamp Code	Wattage	Lamp Number	Voltages	Remote Distance
035G	35	QDM35/T6/830	1, 2	15' (4.5m)
			A, B	10' (3m)
070G	70	CDM70/T6/830	1, 2	15' (4.5m)
			A, B	20' (6m)
150G	150	CDM150/T6/830	1, 2	15' (4.5m)
			A, B	10' (3m)
Tungsten Halogen 				
0100	100	Q100DC	A	
0150	150	Q150DC	A	
0200	200	Q200T3	A	
0250	250	Q250DC	A	

For complete lamp and ballast information, see Accessories Section.

* Standard lamp color is 3000K/80+ CRI.

4 Mounting

- V** = External yoke with 1/2" NPT nipple (wet location outlet box and outlet box cover or fitting by others)
X = External yoke for use with accessory side-mount slipfitter (order separately)

5 Finish

- 02** = Semi-gloss white
06 = Dark bronze
07 = Silver
08 = Semi-gloss black
12 = Green
- 99** = Custom RAL or computer matched color to be specified, consult sales representative

Project:

6 Voltage/Ballast

- | | |
|-------------------|-----------------|
| <i>Electronic</i> | <i>Magnetic</i> |
| 1 = 120V | A = 120V |
| 2 = 277V | B = 277V |

7 Option (see Accessories Section for specifications)

- V0** = Cutoff visor included, no other options
VD = Remote ballast for dry indoor location (not for use with 150W magnetic)
VH = Long distance remote metal halide ballast
35W: 15' minimum up to 50' maximum (4.5m - 15m)
70W: up to 50' maximum (15m)
150W: up to 50' maximum (15m)
VR = Halogen standby lamp with relay field connected at remote ballast. Lamp included (wattage varies).
VX = For modification not listed, include detailed description. Consult factory prior to specification.
Note: Cutoff visor included unless specified otherwise.

8 Destination Requirement

- 0** = UL listed or CSA certified for U.S.
J = UL listed or CSA certified for Canada

Example

T151 - 0250 - V - 02 - A - V0J

Small outdoor model for use with 250 watt tungsten halogen lamp. External yoke with 1/2" NPT nipple. Semi-gloss white powder coat finish. 120V. UL listed or CSA certified for Canada. Cutoff visor included.

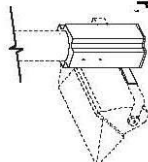
Type:

Accessories

Order separately. See Accessories Section for specifications.

ASF S 0 = Side-mount slipfitter,

for 2-3/8" O.D. pole, tenon or rigid conduit (for use with X mount units)



- 1** = single unit
2 = double unit (back to back)

5 Finish

AEBV 0D0 = External vertical blade baffle, black

- 2** = 25° shielding
4 = 45°



AFK000X = Ballast fuse kit

- 0** = U.S.
J = Canada



10/10

elliptipar

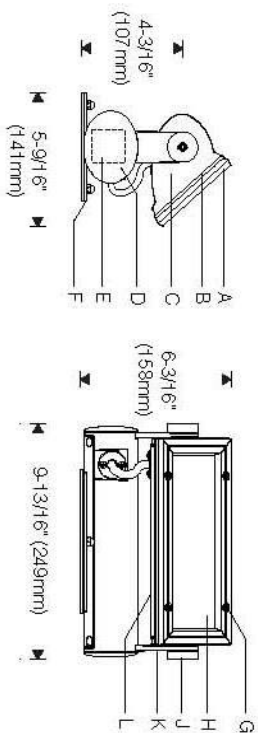


elliptipar from The Lighting Quotient

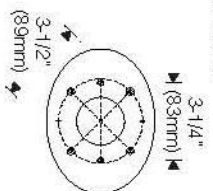
114 Boston Post Road, West Haven, Connecticut 06516, USA
Voice 203.931.4455 • Fax 203.931.4464 • thelightingquotient.com

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S Mount 1:8 Scale

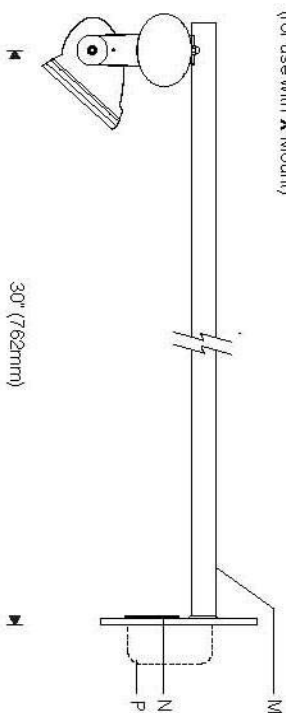


Mounting Plate
(S Mount)

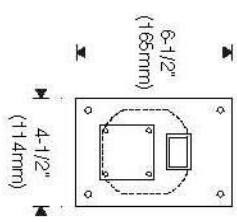


For use with surface, recessed, round, or rectangular outdoor outlet box by others.

Cantilever: Lighting Downward
(for use with X Mount)



Cantilever Mounting Plate
(X Mount)



Specifications

A Milled extruded aluminum door frame	D Die-cast aluminum ballast housing and side arms	H Microprismatic tempered glass lens	M 1" x 1-1/2" aluminum arm
B Pre-cured silicone door and lens gasket	E Integral electronic ballast	J Aluminum decorative knobs	N Welded aluminum mounting plate with splice access cover
C Die-cast aluminum end plates	F Stainless steel canopy, mounting plate, cap nuts	K Locking set screw	P Recessed outlet box (by others)
	G Tamper-resistant captive door screws	L Specular extruded aluminum reflector	

Finish:

Exterior surfaces – 6 stage pretreatment and electrostatically applied thermoset polyester powder coating for a durable abrasion, fade and corrosion resistant finish. Choice of semi-gloss colors (see ordering information).

Reflector – extruded high purity aluminum with clear anodized specular finish. All hardware and components – non-corrosive stainless steel or aluminum. Door secured with captive tamper-resistant (#10 Torx) screws in stainless steel threaded reflector inserts to prevent seizing. Yoke attaches with recessed hex socket screws.

Mounting:

Stainless steel mounting plate compatible with most recessed and surface mounted wet-location outlet boxes (4" round or single gang rectangular weatherproof outlet box by others). Stainless steel oval canopy attaches to mounting plate with stainless steel hardware.

Aluminum cantilever or slipfitter mounting assemblies ordered separately; specify X mount. Suitable backing structure required.

Electrical:

Use 90°C wire for supply connections. Leads exit reflector and enter ballast housing through watertight flush cord entry and silicone coated fiberglass sleeving.

S mount – provided with 8" (0.2m) leads exposed for supply connections at recessed or surface outlet box.

X mount – provided with 60" (1524mm) leads exposed for slipfitter mounting or cantilever mounting over recessed outlet box.

G12 lampholder for use with single ended lamp.

Integral electronic HPF ballast (-4°F/-20°C starting) offers improved voltage regulation and color stability. Automatic shut-off feature eliminates end-of-life lamp cycling.

For complete ballast specifications, see Accessories Section.

Standard:

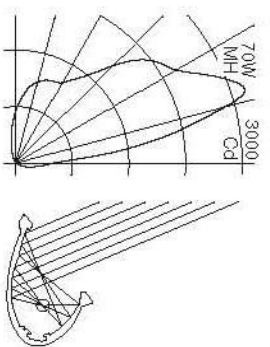
UL listed or CSA certified for wet locations.

Features

- Energy-efficient wall lighting – scaled for walls 8' to 12' high
- Compact yet powerful – up to 70W ceramic metal halide
- Ceramic metal halide – warm color, high CRI, long life
- Integral electronic ballast – precise lamp regulation
- Surface, cantilever, or slipfitter mounting options for up/down orientations

Performance

Two parabolic reflector sections drive light up (or down) the vertical plane from one edge. An elliptical section redirects its light to a parabola and shields the lamp. Asymmetry is maximized resulting in high beam efficiency and superior surface uniformity. The fast "runback" minimizes glare and spill light. Wide lateral distribution permits greater spacings.



For complete photometrics, visit theLightingquotient.com

To form a Catalog Number

M | 1 5 9 - - - - - - |

1 2 3 4 5 6 7 8

1 Source

M = Metal halide

2 Style

159 = Small outdoor, integral ballast **Ovallnear**

3 Lamp

Lamp Code	Wattage	Lamp Number	Voltages	Ballast
Ceramic Metal Halide*				
020G	20	CDM20/T/6/830	1, 2	Electronic
035G	35	CDM35/T/6/830	1, 2	Electronic
070G	70	CDM70/T/6/830	1, 2	Electronic

*Metal halide lamps using ceramic arc tubes yield higher light output than lamps with quartz arc tubes. They offer improved lamp-to-lamp color consistency and a more stable color temperature over their life (±200K). Standard lamp color is 3000K/80+ CRI.

4 Mounting

S = Surface mount with oval mounting plate and canopy (4" round or single gang rectangular weatherproof outlet box by others)

X = For use with cantilever mounting accessory (order separately)

Note: For slipfitter options, see Accessories Section.

5 Finish

- 02 = Semi-gloss white
 - 06 = Dark bronze
 - 07 = Silver
 - 08 = Semi-gloss black
 - 12 = Green
- 99 = Custom RAL or computer matched color to be specified; consult sales representative.

Project:

6 Voltage/Ballast

Electronic

- 1 = 120V
- 2 = 277V

7 Option (see Accessories Section for specifications)

- 00 = No options
- XX = For modification not listed, include detailed description. Consult factory prior to specification.

8 Destination Requirement

- 0 = UL listed or CSA certified for U.S.
- J = UL listed or CSA certified for Canada

Example

M159 - 070G - S - 06 - 2 - 000

Small outdoor **Ovallnear** for use with 70 watt ceramic arc tube pulse start metal halide lamp. Surface mounted with oval canopy over recessed or surface junction box. Dark bronze powder coat finish. Integral HPE 277V electronic ballast. UL listed or CSA certified for U.S.

Type:

Accessories

Order separately. See Accessories Section for specifications.

ACG 30 = Cantilever, 30" (760mm) setback (for use with X mount unit)

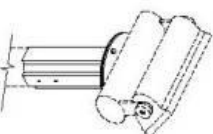
0 = U.S.
J = Canada



5 Finish

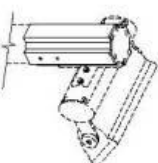
AST T10 = Top-mount slipfitter, for 2-3/8" O.D. pole, slanchion or tenon (for use with single S mount unit)

0 = U.S.
J = Canada



5 Finish

AST S10 = Side-mount slipfitter, for 2-3/8" O.D. pole, slanchion or tenon (for use with single X mount unit)



5 Finish

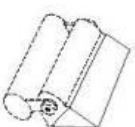
AEGV 0D0 = External vertical blade baffle, matte black for lengthwise shielding

- 2 = 25° shielding
- 4 = 45°

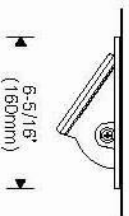
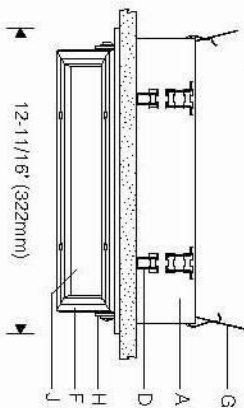
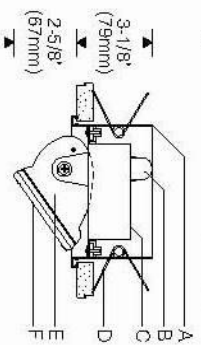


AVG 0D0 = Cutoff visor

5 Finish

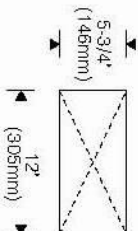
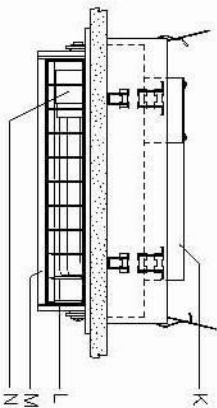
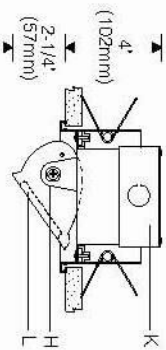


Style 203 1:8 Scale (Halogen, metal halide remote)



Profile (below ceiling)

Style 206 1:8 Scale (Quad tube fluorescent, metal halide integral) *



Ceiling Cutout

* Diagram shows Style 206 for quad tube fluorescent. Snap-in baffle provided for quad tube only. Style 206 for metal halide is provided with door and lens as shown in upper Style 203 diagram.

Specifications

A Extruded aluminum mounting/trim frame	E Die-cast end plates	H Aluminum yoke arms	L Snap-in polycarbonate baffle (matte gray), 15° shielding (quad tube)
B Conduit connector (Style 203)	F Mitered extruded aluminum door frame, silicone gasket (halogen and metal halide units)	J Tempered glass lens (halogen and metal halide units)	M Specular extruded aluminum reflector
C Aluminum back-box	G Supplemental wire supports (by others)	K Integral ballast with splice compartment (Style 206)	N Twist and lock lampholder (quad tube)
D Spring clips (4 included)			

Finish:

Semi-gloss white reflector, door, end plates, yoke arms and ceiling trim, with black back box.
 Painted surfaces – 6 stage pretreatment and electrostatically applied thermoset powder coat.
 Reflector – extruded high purity aluminum with clear anodized specular finish. All luminaire hardware – stainless steel.

Mounting:

Mounting/trim frame installs from below finished ceiling. Retrofit into existing non-accessible ceilings.
 Spring clips provided for ceilings up to 1-3/4" (44mm) thick.
 Supplemental support wires, bar hangers, etc. (by others) required for accessible ceilings. Where wire suspension is prohibited, order accessory universal mounting brackets for use with 1/2" EMT, 1-1/2" lathing or C channel (by others).

Standard:

UL listed or CSA certified for damp locations (TH and H units with lens recommended for damp location use). **Minimum spacings for 200W/250W Style 203, all Style 206:** 2" (0.6m) on center, 1" (0.3m) fixture center to side wall, 3" (76mm) to overhead building member.

9/10 **U.S. Patent D360,270**

Electrical:

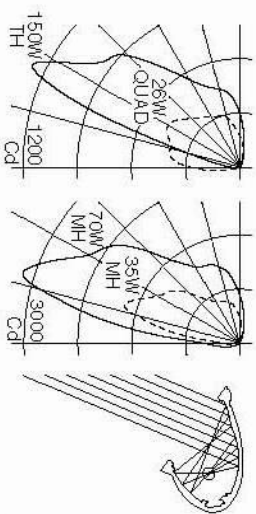
Use 90°C wire for supply connections.
 Style 203 (halogen, metal halide remote) – 5' (1.5m) wire leads in flexible conduit exit back box for connection to accessible junction box (by others), or to remote ballast (installation prior to finished ceiling recommended).
 Style 206 (quad tube, 35W/70W metal halide integral) – splice compartment with two 7/8" diameter conduit entries.
 Tungsten halogen – DC bayonet or RSC lampholders in patented clamping supports for maximum heat dissipation.
 Fluorescent – integral HPF thermally protected electronic ballast with end-of-life protection. Optional dimming ballast, compatible dimmer switch required. Consult representative for compatibility.
 Metal halide – Twist & lock lampholder for easy relamping.
 Metal halide – Style 203 remote, encapsulated high reactance autotransformer ballast (35W and 70W) or electronic ballast.
 Style 206 integral (35W, 70W only): electronic ballast provides improved voltage regulation, energy savings and automatic shut-off feature to eliminate end-of-life lamp cycling.
 For complete ballast specifications, see Accessories Section.

Features

- Adjustable aiming – tailor distribution to the wall height and setback distance
- Shallow recessed depth – fits under ducts at core walls
- Pre-cured silicone gaskets – keep dirt and moisture out; maintain performance (halogen and metal halide)
- Snap-in matte gray baffle – 15° shielding (quad tube)

Performance

Two parabolic reflector sections drive light to the bottom of the wall. An elliptical section shields the lamp from normal viewing angles and redirects its light to a parabola. Glare is minimized and asymmetry of the beam is maximized resulting in high beam efficiency and superior surface uniformity. For complete photometrics, visit thelightingquotient.com.



To Order

Style 203 / 206

To form a Catalog Number

1 2 3 4 5 6 7 8
 1 - T - 0 2 - - - - -

Project:

5 Finish

02 = Semi-gloss white

6 Voltage/Ballast

<i>Compact Fluorescent & Metal Halide Electronic* (Style 206)</i>	<i>Tungsten Halogen (Style 203)</i>
A = 120V	A = 120V
1 = 120V	<i>Metal Halide (Style 203)</i>
2 = 277V	A = 120V magnetic
	B = 277V magnetic
<i>Compact Fluorescent Dimming (Style 206)**</i>	1 = 120V electronic
T = 120V	2 = 277V electronic
V = 277V	

* Electronic ballast for 35 and 70W available in Style M206 integral only, for 150W in Style M203 remote only.

** Dimming varies with ballast manufacturer and control type – see theightningquotient.com for specifications and limitations.

Type:

Accessories

Order separately. See Accessories Section for specifications.

- AEBV** **000** = External vertical blade **baffle**, black (not for use with 250W tungsten halogen or quad tube fluorescent units)
- 2** = 25° shielding
- 4** = 45°



- AUV/00020** = **Ultraviolet (UV)** filter glass lens (tungsten halogen and metal halide units only)



- ASRBKT00** = **Universal mounting brackets** (set of two), accepts 1/2" EMT, 1-1/2" lathing, C channel or bar hangers (by others)

- AFK000X** = **Ballast fuse kit**
- 0** = U.S.
- J** = Canada



3 Lamp

Lamp Code	Wattage	Lamp Number	Voltages	Remote Distance
Quad Tube Fluorescent				
P126	26 (4-pin)	CFQ26W/G24q	1, 2 T, V	Integral

203 = Small semi-recessed adjustable, **remote ballast**
Note: Available for tungsten halogen (no ballast) and metal halide only.

206 = Small semi-recessed adjustable, **integral ballast**
Note: Available for quad tube compact fluorescent and 35W & 70W metal halide electronic only.



Ceramic Arc Tube Pulse Start Metal Halide (80+ CRI) *	Wattage	Lamp Number		Remote Distance
		1, 2	A, B	
035G	35	CDM35/T6/830	1, 2	15' (4.5m)
			A, B	10' (3m)
070G	70	CDM70/T6/830	1, 2	15' (4.5m)
			A, B	20' (6m)
150G	150	CDM150/T6/830	1, 2	15' (4.5m)

Tungsten Halogen	Wattage	Lamp Number		Remote Distance
		1, 2	A	
0100	100	Q100DC	A	
0150	150	Q150DC	A	
0200	200	Q200T3	A	
0250	250	Q250DC	A	

* For complete lamp and ballast information, see Accessories Section.
 ** Standard lamp color is 3000K/80+ CRI.

4 Mounting

T = Overlapping trim

7 Option (see Accessories Section for specifications)

- 00** = No options
- 0C** = Modified to comply with Chicago plenum code.
- 0E** = Style 206 **remote** emergency battery pack for quad tube fluorescent. Maximum distance from battery pack to fixture is 5' (1.5m). For use with non-dim ballasts only.
- 0H** = Style 203 long distance remote metal halide ballast (encapsulated magnetic ballast for 35 and 70W only), 35W: 15' min. up to 50' max. (4.5m - 15m), 70W: up to 50' max. (15m)
- 0V** = Style 203 modified to comply with New York City code (Style 206 integral complies as is without modification). For modification not listed, include detailed description. Consult factory prior to specification.
- XX** = For modification not listed, include detailed description. Consult factory prior to specification.

8 Destination Requirement

- 0** = UL listed or CSA certified for U.S.
- J** = UL listed or CSA certified for Canada

Example

T203 - 0250 - T - 02 - A - 000

Small semi-recessed adjustable unit for use with 250W tungsten halogen lamp. Overlapping ceiling trim. Semi-gloss white. 120V. UL listed or CSA certified for U.S.

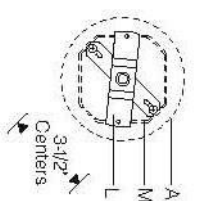
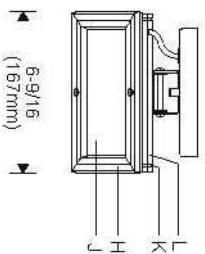
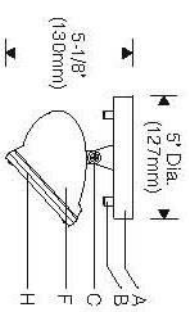


There is no equal

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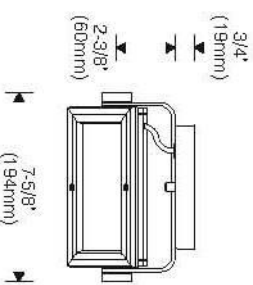
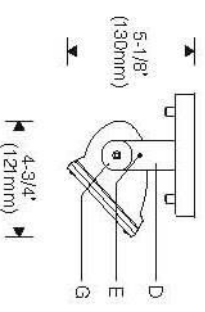
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C Mount 1:8 Scale



Canopy

E Mount 1:8 Scale



Specifications

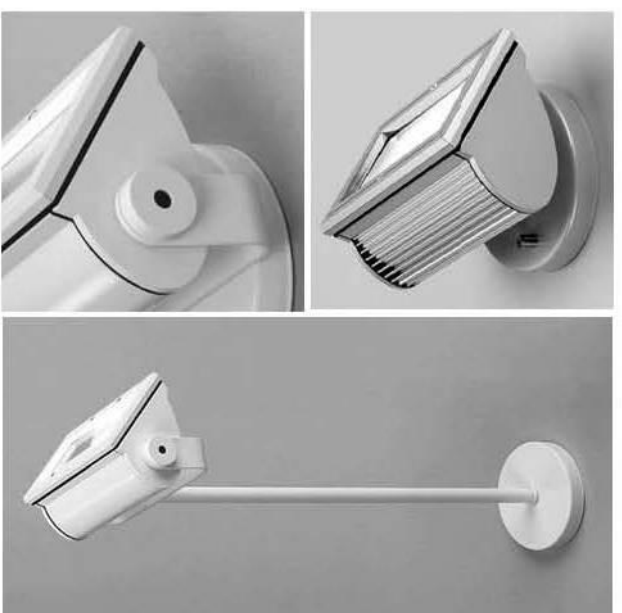
A Aluminum canopy	E Looking set screw	H Milled extruded aluminum door frame with silicone gasket	L Specular extruded aluminum reflector
B Chrome cap nuts	F Die-cast aluminum end plates	J Micro-prismatic tempered glass lens	M Pivoting hanger bar
C Bright stainless steel adjustable bracket	G Machined aluminum knobs with hex head cap screws	K Aluminum reveal plates (black)	N Recessed outlet box (by others)
D Aluminum yoke			

Finish:

Style 099 fluted – bright clear anodized aluminum housing and door frame. Painted end plates, yoke and canopy in choice of silver or semi-gloss black.
 Style 100 smooth – semi-gloss white exterior, door frame, end plates, yoke and canopy.
 Painted surfaces – 6 stage pretreatment and electrostatically applied thermoset powder coat for stable, long lasting and corrosion resistant finish.
 Reflector – extruded high purity aluminum with clear anodized specular finish. All luminaire hardware – stainless steel.
 All mounting hardware – zinc or cadmium plated.
Electrical:
 Use 90°C wire for supply connections.
 Tungsten halogen – DC bayonet/lampholders retained with patented clamping supports for maximum heat dissipation.

Mounting:

Canopy mounts over recessed outlet box.
 Pendant or cantilever ordered separately; specify **X** mount.
 Pendant stem – 11/16" O.D. aluminum, internally threaded, 5" dia. x 1/2" aluminum canopy.
 Cantilever – 1" x 2" steel arm. Interface plate (under canopy) allows +/- 5° leveling. **Suitable backing structure required.** Track mounting available; specify **K** mount. **Consult factory.**
Standard:
 UL listed or CSA certified for damp locations. (Style 100 painted model recommended for damp locations). Where pendant or cantilever may be exposed to wind, consult factory.

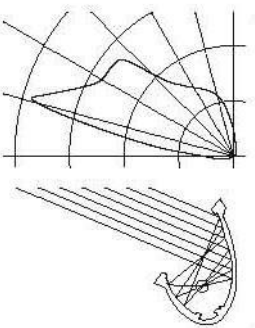


Features

- Scaled for residential interiors – 7' to 10' high walls
- Adjustable reflector – tailor performance to wall height and setback distance
- Versatile – canopy, pendant, cantilever, or track
- Die-cast end plates join at articulated black reveals; machined aluminum knobs – no exposed fasteners

Performance

Two parabolic reflector sections drive light to the bottom of the wall. An elliptical section shields the lamp from normal viewing angles and redirects its light to a parabola. Glare is minimized and asymmetry of the beam is maximized resulting in high beam efficiency and superior surface uniformity.



For complete photometrics, see www.elliptipar.com.

To Order

Style 099 / 100

Project:

Type:

To form a Catalog Number

T - - - - - A - - - -

6 Voltage
A = 120V

1 Source

T = Tungsten halogen

7 Option (See Accessories Section for specifications)

00 = No options
V0 = Cutoff visor (recommended when wall mounted for uplighting)
XX = For modification not listed, include detailed description. Consult factory prior to specification.

Accessories
Order separately. See Accessories Section for specifications.
VCS = Cantilever, 30" (760mm) setback
0 = U.S.
J = Canada
02 = semi-gloss white
07 = silver
08 = semi-gloss black



2 Style

099 = Small fluted surface
100 = Small smooth surface

Note: for damp locations, Style 100 is recommended.

3 Lamp

Tungsten Halogen



Lamp Code	Wattage	Lamp Number
0100	100	Q100DC
0150	150	Q150DC

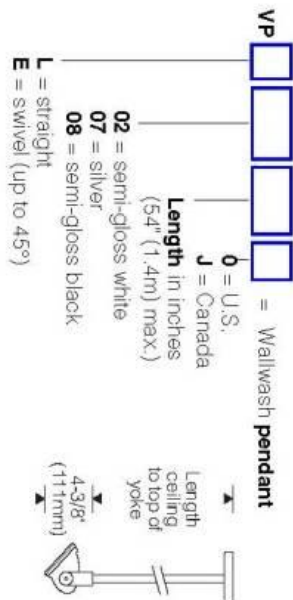
8 Destination Requirement

0 = UL listed or CSA certified for U.S.
J = UL listed or CSA certified for Canada
Note: Not applicable to K mount.

Example

T099 - 0100 - C - 01 - A - 000

Small fluted surface model for use with 100 watt tungsten halogen lamp. Mounted with back bracket on ceiling canopy. Bright aluminum housing/reflector, silver end plates and canopy. 120V. UL listed or CSA certified for U.S.



4 Mounting

Style 099 and 100 Surface

C = Adjustable back bracket on ceiling canopy
E = External yoke on ceiling canopy
X = External yoke for use with accessory cantilever or pendant mounting assembly (**order separately**)
K = Track mounted
Note: Consult factory for available track manufacturers and types.

5 Finish

Style 099 Fluted

01 = Bright aluminum housing and door frame with silver end plates, yoke and canopy

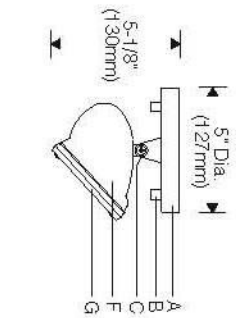
Style 100 Smooth

02 = Semi-gloss white housing, end plates, door frame, yoke and canopy

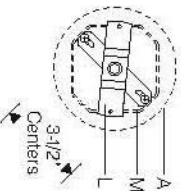
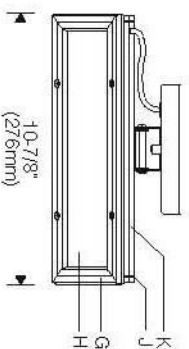
81 = Bright aluminum housing and door frame with semi-gloss black end plates, yoke and canopy

99 = Custom RAL or computer matched color to be specified, consult sales representative

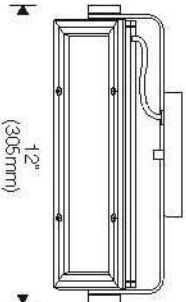
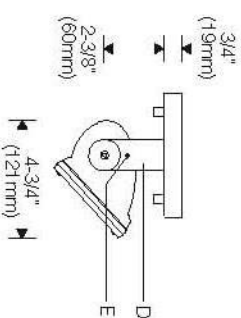
C Mount 1:8 Scale



Canopy



E Mount 1:8 Scale



Specifications

- A** Aluminum canopy
- B** Chrome cap nuts
- C** Bright stainless steel adjustable bracket
- D** Aluminum yoke
- E** Locking set screw
- F** Die-cast end plates
- G** Milled extruded aluminum door frame with silicone gasket

- H** Micro-prismatic tempered glass lens
- J** Aluminum reveal plates (black)

- K** Specular extruded aluminum reflector
- L** Pivoting hanger bar
- M** Recessed outlet box (by others)

Finish:

Style 101 fluted – bright clear anodized aluminum housing and door frame. Painted end plates, yoke and canopy in choice of silver or semi-gloss black.

Style 102 smooth – semi-gloss white exterior, door frame, end plates, yoke and canopy.

Painted surfaces – 6 stage pretreatment and electrostatically applied thermoset powder coat for stable, long lasting and corrosion resistant finish.

Reflector – extruded high purity aluminum with clear anodized specular finish. All luminaire hardware – stainless steel. All mounting hardware – zinc or cadmium plated.

Mounting:

Canopy mounts over recessed outlet box.

Pendant or cantilever ordered separately, specify **X** mount.

Track mounting available for tungsten halogen units, specify **K** mount. **Consult factory.**

Electrical:

Use 90°C wire for supply connections.

Tungsten halogen – recessed single contact (RSC) or DC bayonet lampholders retained with patented clamping supports for maximum heat dissipation.

Metal halide – G12 lampholder for use with single ended lamp.

Remote encapsulated high reactance autotransformer ballast (35W and 70W) or electronic ballast. Electronic ballast provides improved voltage regulation, energy savings and automatic shut-off feature to eliminate end-of-life lamp cycling.

For complete ballast specifications, see Accessories Section.

Standard:

UL listed or CSA certified for damp locations (Style 102 painted model recommended for damp locations). Where pendant or cantilever may be exposed to wind, consult factory.

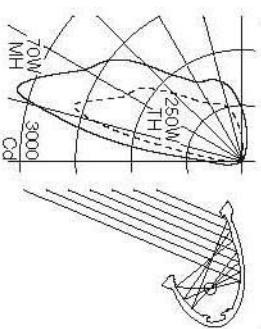


Features

- Die-cast end plates join at articulated black reveals; machined aluminum knobs – no exposed fasteners.
- All joints are gasketed – keep dirt and moisture out, prevent light leaks, maintain performance
- Non-corrosive aluminum or stainless steel construction
- Compact yet powerful – up to 250W halogen, 150W MH

Performance

Two parabolic reflector sections drive light to the bottom of the wall. An elliptical section shields the lamp from normal viewing angles and redirects its light to a parabola. Glare is minimized and asymmetry of the beam is maximized resulting in high beam efficiency and superior surface uniformity.



To Order

To form a Catalog Number

1 2 3 4 5 6 7 8

1 Source

- M = Metal halide
T = Tungsten halogen

2 Style

- 101 = Small fluted surface, remote ballast
102 = Small smooth surface, remote ballast

Note: for damp locations, Style 102 is recommended.

3 Lamp

Lamp Code	Wattage	Lamp Number	Voltages	Remote Distance
035G	35	CDM35/T6/830	1, 2	15' (4.5m)
			A, B	10' (3m)
070G	70	CDM70/T6/830	1, 2	15' (4.5m)
			A, B	20' (6m)
150G	150	CDM150/T6/830	1, 2	15' (4.5m)
Tungsten Halogen				
0100	100	Q100DC	A	
0150	150	Q150DC	A	
0200	200	Q200T3	A	
0250	250	Q250DC	A	

For complete lamp and ballast information, see Accessories Section.
*Standard lamp color is 3000K/80+ CRI.

4 Mounting

- C = Adjustable back bracket on ceiling canopy
E = External yoke on ceiling canopy
X = External yoke for use with accessory cantilever or pendant mounting assembly (order separately)
K = Track mounted (tungsten halogen only)
Note: Consult factory for available track manufacturers and types.

Project:

5 Finish

- Style 101 Fluted**
01 = Bright aluminum housing and door frame with silver end plates, yoke and canopy
81 = Bright aluminum housing and door frame with semi-gloss black end plates, yoke and canopy
- Style 102 Smooth**
02 = Semi-gloss white housing, end plates, door frame, yoke and canopy
99 = Custom RAL or computer matched color to be specified, consult sales representative

6 Voltage/Ballast

- Electronic**
1 = 120V
2 = 277V
- Magnetic***
A = 120V
B = 277V
- *35W or 70W Metal Halide or Tungsten Halogen (120V)

7 Option (See Accessories Section for specifications)

- 00 = No options
0H = Long distance remote ballast (encapsulated magnetic ballast for 35 and 70W only), 35W: 15' min. up to 50' max. (4.5m - 15m), 70W: up to 50' max. (15m)
0M = MRI medical facility use (halogen E mount only)
0P = Natatorium (pool) use, tungsten halogen or metal halide unit with remote ballast located outside the pool environment (Style 102 smooth painted unit only)
0Q = Natatorium (pool) use, remote ballast suitable for use in pool environment (Style 102 smooth painted unit only)
0R = Halogen standby lamp with relay field connected at remote ballast. Lamp included (wattage varies).
XX = For modification not listed, include detailed description. Consult factory prior to specification.

8 Destination Requirement

- 0 = UL listed or CSA certified for U.S.
J = UL listed or CSA certified for Canada
Note: Not applicable to K mount.

Example

M102 - 070G - E - 02 - A - 0Q0

Small smooth surface model for use with 70 watt metal halide lamp. Mounted with external yoke on ceiling canopy. Semi-gloss white. Remote 120V magnetic ballast. Luminaire and ballast suitable for natatorium (pool) use. UL listed or CSA certified for U.S.

Type:

Style 101 / 102

Accessories

Order separately. See Accessories Section for specifications.

VCS 30 = Cantilever, 30" (760mm) setback

0 = U.S.
J = Canada

- 02 = semi-gloss white
07 = silver
08 = semi-gloss black

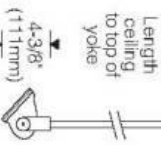


VP = Wallwash pendant

0 = U.S.
J = Canada

Length in inches (54" (1.4m) max. for TH, 42" (1.0m) max. for MH)

- 02 = semi-gloss white
07 = silver
08 = semi-gloss black



L = straight
E = swivel (up to 45°)

AEBV 000 = External vertical blade baffle, black

2 = 25° shielding
4 = 45°



AUV00 0 = Ultraviolet (UV) filter lens

01 = Style 101
02 = Style 102



ACF = Stripped glass color filter, integral to door frame.



Note: Color filters limited to maximum 200W halogen, 70W CMH. Consult factory for complete specifications and ordering information.

AFK000X = Ballast fuse kit

0 = U.S.
J = Canada

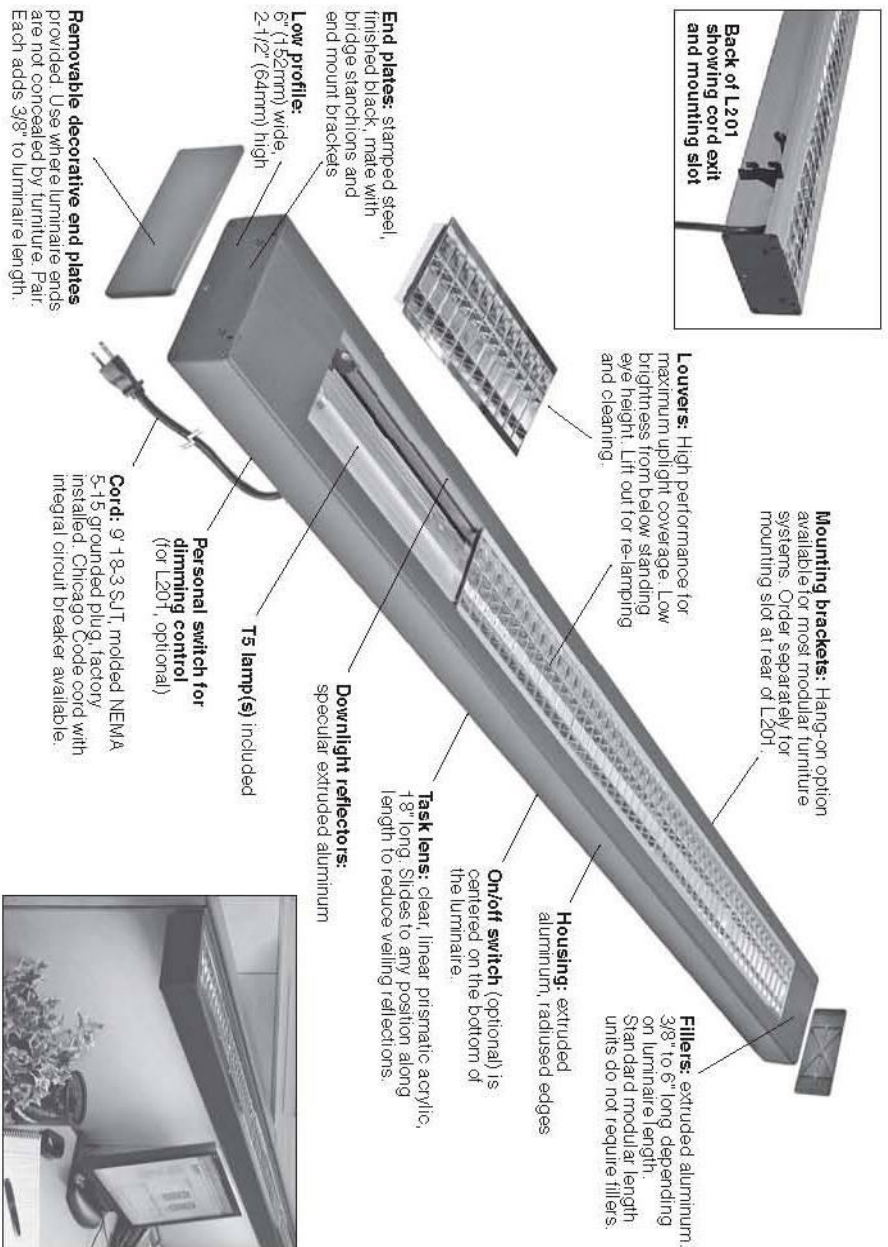


REV. 12/09

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elliptipar
114 Boston Post Road, West Haven, Connecticut 06516, USA
Voice 203.931.4455 • Fax 203.931.4464 • www.elliptipar.com

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Specifications

Finish:

Painted housing, fillers, decorative end plates, and mounting accessories (panel hooks, and mounts/trails, stanchions). Painted surfaces – environmentally friendly 6-stage pretreatment and electrostatically applied thermoset powder coat provides a long lasting, scratch resistant finish. Choice of standard colors: RAL and computer matched colors available on request.

Reflector – extruded aluminum, chemically brightened and clear anodized.

Louver tiles – specular vacuum metalized polycarbonate with clear polymer topcoat for easy cleaning.

Mounting:

L201 has a continuous mounting slot along the rear of the unit, and can be mounted to a wall, furniture panel, or desk clamp stanchion. L201 cords are routed along the mounting slot and can be specified for right- or left-hand exit.

Specifications

L202 has a smooth back surface for mounting with end mount rails (for 24" wide end panels) or with desk clamp stanchions. L202 cord exits are specified left or right, rear or bottom of unit, depending on mounting method. Stanchions feature a cord management slot.

Electrical:

Integral electronic ballast is HPE thermally protected class P, 120 volt, BF > 0.98. Programmed start maximizes lamp life and minimizes energy use.

Cord – g 18-3 SJT, molded NEMA 5-15 grounded plug, factory installed. Chicago Code cord with integral circuit breaker available. Low profile grounded plug with 45° rotation is standard. Black is standard; gray and beige cords are available at additional cost.

Standard output T5 lamps are included. Choose from 3000K, 3500K and 4100K lamps.

Standard:

UL listed or CSA certified.



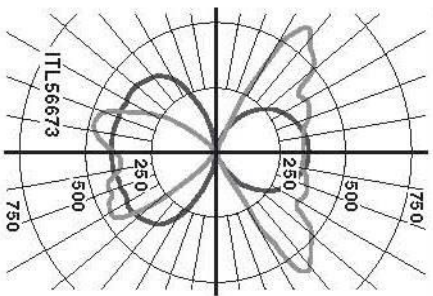
Features

- Task and ambient lighting from a single T5 lamp
- Typical energy consumption is 0.6 W/sf or less
- Integrates with embedded wireless controls (consult factory)
- Low profile: integrates with open plan office furniture systems
- Portable: may be reconfigured along with the furniture
- Reduces glare, eyestrain and visual distraction

Performance

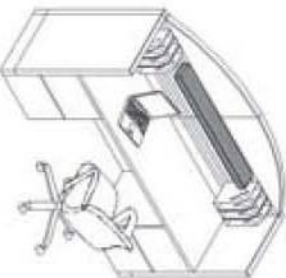
Lighter curve at left shows 180° to 0°. Darker curve shows 90° to 270°. High lamp height position, see website for alternate positions. Illuminance based on a minimum of ten workstations. Light levels will be 5-10% greater in large rooms with more workstations. Ballast factor 0.98, input watts 52, maximum candlepower at 140° is 629 cd.

For complete photometrics, see theilightingco.com.





Back of P201 showing cord exit and mounting slot



Specifications

Finish:

Painted housing, fillers, decorative end plates, and mounting accessories (panel hooks, end mounts/trails, stanchions).

Painted surfaces – environmentally friendly 6-stage pretreatment and electrostatically applied thermoset powder coat provides a long lasting, scratch resistant finish. Choice of standard colors. RAL and computer matched colors available on request.

Reflector – extruded aluminum, chemically brightened and clear anodized.

Mounting:

P201 has a continuous mounting slot along the rear of the unit, and can be mounted to a wall, furniture panel, or desk clamp stanchion. P201 cords are routed along the mounting slot and can be specified for right- or left-hand exit.

L202 has a smooth back surface for mounting with end mount rails (for 24" wide end panels) or with desk clamp stanchions.

P202 cord exits are specified left or right, rear or bottom of unit, depending on mounting method. Stanchions feature a cord management slot.

Electrical:

Integral electronic ballast is HPE thermally protected class P, 120 volt. BF > 0.98. Programmed start maximizes lamp life and minimizes energy use.

Cord – 9' 18-3 SUT, molded NEMA 5-15 grounded plug, factory installed. Chicago Code cord with integral circuit breaker available. Low profile grounded plug with 45° rotation is standard. Black is standard; gray and beige cords are available at additional cost.

Standard output T5 lamps are included. Choose from 3000K, 3500K and 4100K lamps.

Standard:

UL listed or CSA certified.



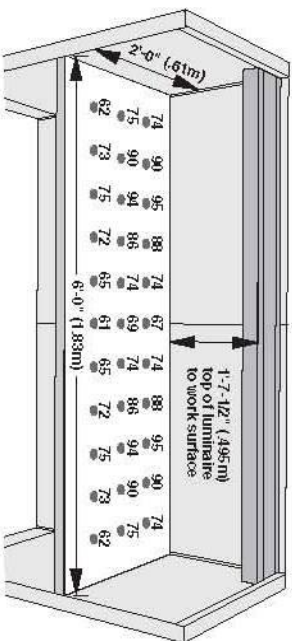
Features

- Low profile workstation task lighting from a single T5 lamp
- Provides balanced brightness on work surfaces and vertical panels
- Integrates with embedded wireless controls (consult factory)
- Available in lengths from 36" to 96"
- Choice of mounting options
- Portable – may be reconfigured along with the furniture

Performance

Illuminance levels for low lamp height position for P201 shown. Ballast factor 0.98, input watts 52.

For complete photometrics, see theightingquotient.com.



To Order

Styles P201, P202

Sample number: P201-71S6-M-EL15-1-1R-0S-3S

Project:

Type:

P **2** **0** **-** **Length/Lamp(s)** **-** **Optic** **Finish** **-** **1** **Electrical Cord** **Cord Exit** **Options** **-** **Lamp Color**

Mounting Accessories

TPH Panel Hooks, pair (P201)
 TPR End Mount Rail Kit (P202)



T **P** **-** **Finish (left)**
 System*

*For compatible furniture systems, see website.

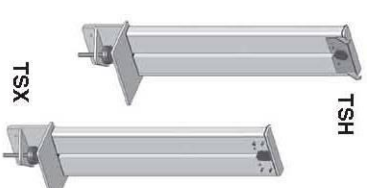


TPH Panel Hooks mount to slotted panel frame. Stamped and formed CRS, pair.
 TPR End Mount Rails (for 24" wide end panels) mount to slotted panel frames. Several models are available to interface with a variety of panel systems. Pair includes pair of black interface plates.
 TPE End Mount Brackets,
 pair (P202)
 TPE End Mount Brackets support the ends of the luminaire, black, pair.
 TMHDW Wall Brackets, pair (P201)



T **M** **H** **D** **W** **-** **E** **L** **O**

TMHDW Wall Brackets mount to stud framed walls, millwork, and other solid surfaces. Stamped and formed CRS, black, pair.



T **S** **-** **Height** **Finish (left)**

Desk Clamp Stanchions mount to edge of work surface - 1/2" to 3-1/4" thick. Extruded aluminum post. Resilient pads resist slippage, protect surfaces. Integral cord management. **TSH19-TSX19-** places top of luminaire 19-1/2" above work surface. Sold individually, some luminaires require two stanchions.

Style

- P201** Workstation task luminaire with integral hang-on mounting channel and rear cord exit
- P202** Workstation task luminaire with smooth back panel and bottom cord exit

Electrical

- 120V only**
- 1 Electronic ballast

Cord

- 90° SW rotation plug, 9 feet:

- 1 Black
- 3 Gray
- 5 Beige
- 7 Chicago cord, integral circuit breaker, black
- 2 Black
- 4 Gray
- 6 Beige
- 8 Chicago cord, integral circuit breaker, black

Cord Exit

- R Right rear (P201 only)
- L Left rear (P201 only)
- E Right bottom (P202 only)
- W Left bottom (P202 only)

E and **W** exits (P202) are 1-1/2" from end of luminaire.

Options

- 00 None
- 0S On/off switch
- XS Dual stanchion pre-drill and Integral on/off switch (P202)
- XX Custom modification (specify)

Lamp Color

- 30 3000K, 85 CRI
- 35 3600K, 85 CRI
- 41 4100K, 85 CRI

Length/Lamps

Code	Length (mm)	Lamp(s)	Input
36S3	35-3/4" (910)	1xF21T5	27W
48S4	47-1/2" (1205)	1xF28T5	33W
60S5	59" (1500)	1xF35T5	41W
71S6	70-3/4" (1800)	2xF21T5	49W
83S7	82-1/2" (2095)	1xF21T5 + 1xF28T5	60W
95S8	94-1/4" (2395)	2xF28T5	66W

Other lengths and lamping are available; consult factory.

Optic

- L Low-mount (P201, P202)
- M Mid-mount (P201 only)

Recommended mounting height is 48" to 50" A.F.F. for 24" deep work surfaces, and 48" to 52" for 30" deep work surfaces. Standard stanchions provide a height of 48" (19-1/2" above the work surface). For IES information, consult factory.

Finish

- EL02 Eggshell white
- EL06 Dark bronze
- EL07 Silver
- EL08 Semi-gloss black
- EL12 British racing green
- EL15 Warm metallic
- TSAL Semi-gloss slate
- XXXX Custom color (specify or submit sample) or 4-digit RAL color code (color chart available)



ambient from The Lighting Quotient
 114 Boston Post Road, West Haven, Connecticut 06516, USA
 Voice 203.931.4455 • Fax 203.931.4464 • thelightingquotient.com

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ARCLITE® 38/5

recessed PAR 38 metal halide downlight

Spec Sheet

H I D
8-410

MADE-TO-ORDER • MAY NOT BE RETURNED FOR CREDIT • MADE-TO-ORDER • MAY NOT BE RETURNED FOR CREDIT

FEATURES

ArcLite 38/5 is an efficient 5" aperture downlight designed for use with 70-watt, 100-watt or 150-watt PAR-38 metal halide lamps, and is equipped with an electronic ballast. Precise reflector design minimizes aperture brightness, with a shielding angle of 40°.

PAR-38 metal halide lamps are available in a number of beam spreads from narrow spot to very wide flood. These lamps have color rendering indexes (CRI) of 70 to 93, and color temperatures ranging from 3000°K to 4000°K. The lamps have up to a 12,500-hour life.

The 5" aperture matches that of our 5" ArcLite accent lights, as well as our 5" PAR-38 incandescent downlights and accent lights.

Reflector must be removed before relamping .

Reflectors are available in clear, natural aluminum in three finishes: **EvenTone**, our standard clear finish, partially diffuse, anti-iridescent and gently luminous in appearance; **OptiTone**, semi-specular and anti-iridescent, with minimum brightness and maximum efficiency; and **EasyTone**, diffuse and luminous. Additionally, reflectors are available in champagne gold, wheat, pewter, bronze and black.

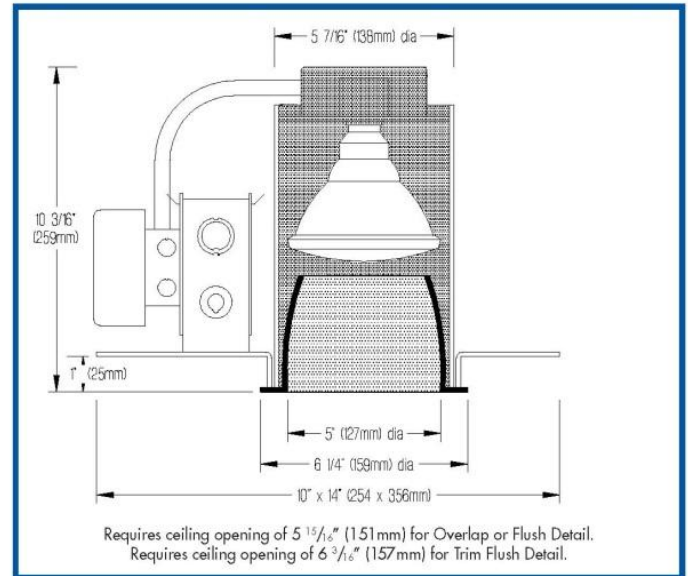
ArcLite 38/5 includes a pair of mounting bars (3/4" x 27" C channel). Specialty bars for wood joist and T-bar installations are also available.

APPLICATIONS

Fixture is recommended for downlighting in stores, malls, banks, hotels, schools, auditoriums, airports and sports facilities – especially in lobbies, atria and other public areas.



Fixture is  listed for Damp Location and suitable for use in a fire rated ceiling. Fixture is prewired with electronic ballast and thermal protector, and is approved for eight #12 wire 75°C branch circuit pull-through wiring. Removal of the housing from below allows access to the ballast and junction box.



PRODUCT CODE

For complete product code, list basic unit and select one item from each following box.

Basic Unit	ARC38/5
Wattage	
70-watt ballast (no fixture spacing restrictions)	-70
100-watt ballast (see spacing restrictions *)	-100
150-watt ballast (see spacing restrictions *)	-150
Voltage	
120 volt service	120
277 volt service	277

Reflector Color and Detail	Overlap Flange	Flush	Trim Flush*
EvenTone Clear	VOL	VFL	VTF
OptiTone Clear	COL	CFL	CTF
EasyTone Clear	ECOL	ECFL	ECTF
Champagne Gold	GOL	GFL	GTF
Wheat	WHOL	WHFL	WHTF
Pewter	POL	PFL	PTF
Bronze	ZOL	ZFL	ZTF
Black	BOL	BFL	BTF

Other reflector finishes available on special order.
 Overlap Flange continues reflector finish. White painted flanges and custom painted flanges are available on special order. Add WF (white flange) or CCF (custom color flange).
 *Trim Flush reflector trim requires the use of a plaster ring Accessory (see below).

FIXTURE SPACING RESTRICTIONS
 Fixtures for use with 100-watt or 150-watt lamps must be spaced at least 36" apart and 18" from walls, and must have 1/2" clearance above housing.

MODIFICATIONS AVAILABLE
 Contact factory with quantity for pricing; orders may require shop drawing approval.

- CHP-**: 39-watt fixture suitable for **Chicago Plenum**; add CHP- as prefix to Product Code.
- CONC-**: 39-watt fixture suitable for poured-in-place **concrete**; add CONC- as prefix to Product Code.
- EXP-**: 'European-style' **install-from-below** fixture; add EXP- as prefix to Product Code.
- +2"CLG-**: fixture suitable for installation in **2" thick ceiling** material; add +2"CLG to Product Code.
- +TR-**: fixture prepared for **top re-lamping**; add +TR to Product Code.
- +OA MT-**: fixture prepared to accept an **Optical Accessory holder**; add +OA MT to Product Code.

OPTIONS Specify by adding to the end of basic unit.

Emergency DC bayonet base socket for incandescent lamp (100 watt maximum) - EMA
Auxiliary: same as above plus restrike relay - AUX

ACCESSORIES Specify as a separate line item.

Plaster ring allows use of Trim Flush (-TF) reflector in sheetrock ceiling; 6 3/16" (157mm) dia hole is required.....TF RING/5

► Decorative reflector rings are available on special order. Contact factory.

PHOTOMETRIC REPORT – FLOOD

Report No. 43160. Original Independent Testing Laboratories, Inc. (ITI) test report furnished upon request.

Luminaire recessed metal halide with spun aluminum reflector, specular finish
 Lamp MPI00PAR38/U/FL35, 5500 lumens
 Efficiency 69.8%
 Spacing Criterion.... 0.6

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 – 30°	3682	66.9	95.9
0 – 40°	3821	69.5	99.5
0 – 60°	3840	69.8	100.0
0 – 90°	3840	69.8	100.0
90 – 180°	0	0.0	0.0
0 – 180°	3840	69.8	100.0

BALLAST INFORMATION

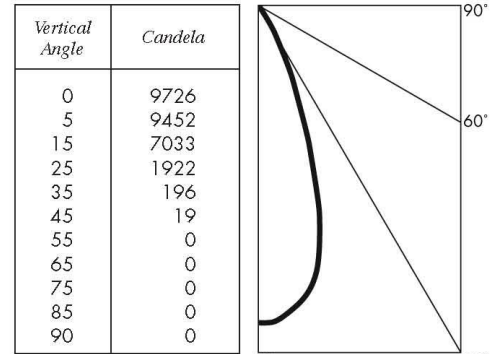
Voltage	120	277
Input Watts	110	110
Maximum Current (A)	.9	.41
Line Current (A)	.9	.41
Power Factor (%)	>90	>90
Min. Starting Temp (°F)	-22	-22

LUMINANCE DATA

Vertical Angle	Candela/m ²
45	2018
55	0
65	0
75	0
85	0

To convert cd/m² to footlamberts multiply by 0.2919.

CANDLEPOWER DISTRIBUTION



COEFFICIENTS OF UTILIZATION – ZONAL CAVITY METHOD (Effective Floor Cavity Reflectance 20%)

Ceiling Reflectance (%)	80				70				50				30				10				0
Wall Reflectance (%)	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio																					
0	83	83	83	83	81	81	81	81	78	78	78	74	74	74	71	71	71	70	70	70	
1	80	79	77	76	78	77	76	75	74	73	72	72	71	70	69	69	68	67	67	67	
2	77	75	72	71	76	73	71	70	71	70	68	69	68	67	67	66	65	64	64	64	
3	75	71	68	66	73	70	68	66	68	66	65	67	65	64	65	64	63	62	62	62	
4	72	68	65	63	71	67	64	62	66	63	62	64	63	61	63	62	60	59	59	59	
5	70	65	62	60	69	64	62	59	63	61	59	62	60	58	61	59	58	57	57	57	
6	67	62	59	57	66	62	59	57	61	58	56	60	58	56	59	57	56	55	55	55	
7	65	60	57	55	64	60	57	55	59	56	54	58	56	54	57	55	54	53	53	53	
8	63	58	55	53	62	57	54	52	57	54	52	56	54	52	56	53	52	51	51	51	
9	61	56	53	51	60	55	52	50	55	52	50	54	52	50	54	52	50	49	49	49	
10	59	54	51	49	58	54	51	49	53	50	49	53	50	48	52	50	48	48	48	48	

PHOTOMETRIC REPORT – SPOT

Report No. 43159. Original Independent Testing Laboratories, Inc. (ITI) test report furnished upon request.

Luminaire recessed metal halide with spun aluminum reflector, specular finish
 Lamp MPI00PAR38/U/SP20, 5200 lumens
 Efficiency 73.7%
 Spacing Criterion.... 0.4

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 – 30°	3695	71.0	96.4
0 – 40°	3815	73.4	99.6
0 – 60°	3832	73.7	100.0
0 – 90°	3832	73.7	100.0
90 – 180°	0	0.0	0.0
0 – 180°	3832	73.7	100.0

BALLAST INFORMATION

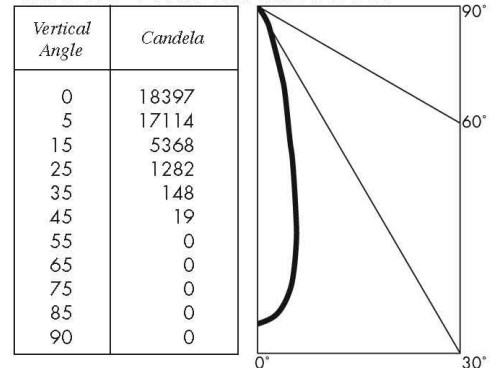
Voltage	120	277
Input Watts	110	110
Maximum Current (A)	.9	.41
Line Current (A)	.9	.41
Power Factor (%)	>90	>90
Min. Starting Temp (°F)	-22	-22

LUMINANCE DATA

Vertical Angle	Candela/m ²
45	2018
55	0
65	0
75	0
85	0

To convert cd/m² to footlamberts multiply by 0.2919.

CANDLEPOWER DISTRIBUTION



COEFFICIENTS OF UTILIZATION – ZONAL CAVITY METHOD (Effective Floor Cavity Reflectance 20%)

Ceiling Reflectance (%)	80				70				50				30				10				0
Wall Reflectance (%)	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio																					
0	88	88	88	88	86	86	86	86	82	82	82	78	78	78	75	75	75	74	74	74	
1	85	83	82	81	83	82	81	80	79	78	77	76	75	75	74	73	73	71	71	71	
2	82	80	78	76	81	78	77	75	76	75	73	74	73	72	72	71	70	69	69	69	
3	80	76	74	72	78	75	73	71	74	72	70	72	70	69	70	69	68	67	67	67	
4	77	74	71	69	76	73	70	68	71	69	68	70	68	67	69	67	66	65	65	65	
5	75	71	68	66	74	70	68	66	69	67	65	68	66	65	67	66	64	63	63	63	
6	73	69	66	64	72	68	66	64	67	65	63	66	64	63	66	64	62	62	62	62	
7	71	67	64	62	70	66	64	62	65	63	61	65	63	61	64	62	61	60	60	60	
8	69	65	62	60	69	64	62	60	64	61	60	63	61	59	63	61	59	58	58	58	
9	68	63	60	58	67	63	60	58	62	60	58	62	59	58	61	59	58	57	57	57	
10	66	61	59	57	66	61	58	57	61	58	57	60	58	56	60	58	56	56	56	56	

Watt- age	Lamp Number	Base	Bulb	Length (MOI)	Rated Lumens	Color Temperature(s)	CRI	Life ① (hours)	Notes
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Quad Tube Compact Fluorescent

26	CFQ26W/GX24q	G24q-3	T4	6-1/2"	1,800	2700/3000/3500/4100K	82	12,000	
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Hex Tube Compact Fluorescent

32	CFTR32W/GX24q	GX24q-3	T4	4-7/8"	2,400	2700/3000/3500/4100K	82	12,000	
42	CFTR42W/GX24q	GX24q-4	T4	5-5/8"	3,200	2700/3000/3500/4100K	82	12,000	

Long Twin Tube Compact Fluorescent

36/39	FT36-39W/2G11	2G11	T5	16-1/2"	2,900	3000/3500/4100K	82	20,000 (RS)	
40	FT40W/2G11	2G11	T5	22-1/2"	3,300	3000/3500/4100K	82	20,000 (RS)	
50	FT50W/2G11	2G11	T5	22-1/2"	4,300	3000/3500/4100K	82	20,000 (RS)	
55	FT55W/2G11	2G11	T5	21-1/8"	4,800	3000/3500/4100K	82	12,000 (S)	
80	FT80W/2G11	2G11	T5	22-1/2"	6,000	3000/3500/4100K	82	20,000	

T5 Linear Fluorescent

14	F14T5	Miniature Bipin	T5	22-3/16"	1,350	3000/3500/4100K	85	20,000	
21	F21T5	Miniature Bipin	T5	34"	2,100	3000/3500/4100K	85	20,000	
28	F28T5	Miniature Bipin	T5	45-13/16"	2,900	3000/3500/4100K	85	20,000	
35	F35T5	Miniature Bipin	T5	57-5/8"	3,650	3000/3500/4100K	85	20,000	

T5 HO Linear Fluorescent

24	F24T5HO	Miniature Bipin	T5	22-3/16"	2,000	3000/3500/4100K	82	20,000	
39	F39T5HO	Miniature Bipin	T5	34"	3,500	3000/3500/4100K	82	20,000	
55 (54)	F54T5HO	Miniature Bipin	T5	45-13/16"	5,000	3000/3500/4100K	82	25,000	
80	F80T5HO	Miniature Bipin	T5	57-5/8"	7,500	3000/3500/4100K	82	20,000	

T8 Fluorescent

17	F17T8	Medium Bipin	T8	24"	1,400	3000/3500/4100K	75-95	24,000 (RS)	
25	F25T8	Medium Bipin	T8	36"	2,225	3000/3500/4100K	75-95	24,000 (RS)	
32	F32T8	Medium Bipin	T8	48"	2,950	3000/3500/4100K	75-95	30,000 (RS)	
40	F40T8	Medium Bipin	T8	60"	3,775	3000/3500/4100K	75-95	24,000 (RS)	

Notes:

① Average rated life is the number of hours at which 50% of a large group of lamps are still operating. Fluorescent lamp life is based on 3 or more operating hours per start. Average life may increase or decrease as the period per start increases or decreases.

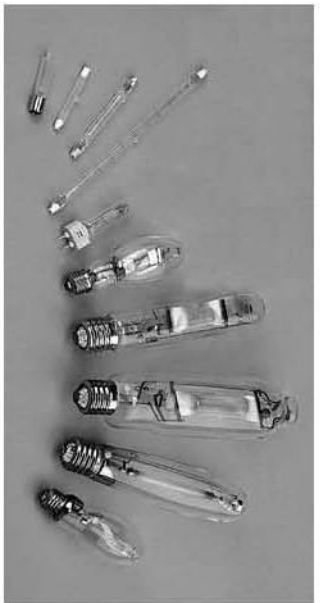


General:

All **elliptipar** compact fluorescent, long twin tube and T5 fluorescent luminaires are furnished with lamp(s). **Furnished lamps are denoted by grey background.** Standard fluorescent lamp color temperature furnished is 3000K. Chart also lists alternative lamp color temperatures; consult your local sales representative for availability and lead times.

T8 lamps are supplied by others.
Lamp ratings may vary with lamp manufacturer.





General:
All **elliptipar** metal halide, tungsten halogen and incandescent luminaires are furnished with lamp(s). Lamp ratings may vary with lamp manufacturer.

Metal Halide:
Use clear, compact envelope metal halide lamps.

Ceramic Arc Tube Pulse Start Metal Halide:
20-400W metal halide luminaires are furnished with single ended lamps using ceramic arc tubes that yield higher light output than lamps with quartz arc tubes. They offer improved lamp-to-lamp color consistency and a more stable color temperature over their rated life (±200K). Standard lamp color temperature is 3000K, 80+ CRI.

Quartz Arc Tube Pulse Start Metal Halide:
250-400W pulse start (1000W probe start) metal halide luminaires are furnished with horizontal burning mogul base metal halide lamps. Standard lamp color temperature is 4000K, 68 CRI.

Tungsten Halogen:
Use frosted tungsten halogen lamps where available for 100-250W.

Wattage	Lamp Code	Lamp Number	Base	Envelope	Length (MOUL)	Initial Lumens	Color Temp.	CRI	Rate Life (hours)	Notes
20	020G	CMH120/T4.5	G8.5	T4.5	3-3/8"	1,650	3000K	81	12,000	
35/39	035G	CDM35/T6/830	G12	T6	3-15/16"	3,300	3000K	81	12,000	
70	070G	CDM70/T6/830	G12	T6	3-15/16"	6,600	3000K	81	12,000	
150	150G	CDM150/T6/830	G12	T6	4-1/32"	14,000	3000K	85	12,000	
210	210C	CDM Elite MW 210/T9/930L/E	PGZ18	T9	7-1/2"	24,200	3000K	90	20,000	②
250	250C	CMH250/L/830/R	Mogul	T15	9-3/4"	25,000	3000K	85	16,000	
315	315C	CDM Elite MW 315/T9/930L/E	PGZ18	T9	7-1/2"	37,800	3000K	90	20,000	②
400	400C	CMH400/L/830/R	Mogul	ED18	9-3/4"	41,000	3000K	80	20,000	

Quartz Arc Tube Pulse Start Metal Halide Tubular Envelope Horizontal Burning (Large Reflector)										
250	250P	MS 250W/H7.5/T15/PS/S740	Mogul	T15	8-5/16"	22,000	4000K	68	15,000	
320	320P	MS 320W/H7.5/T15/SP/S740	Mogul	T15	8-5/16"	30,000	4000K	68	20,000	
350	350P	MS 320W/H7.5/T15/PS/S740	Mogul	T15	11-1/2"	33,000	4000K	68	20,000	

Quartz Arc Tube Pulse Start Metal Halide Standard Envelope Horizontal Burning (Xtra-Large Reflector)										
250	250P	MS 250W/H7.5/PS/S740	Mogul	ED28	8-5/16"	22,000	4000K	68	15,000	
320	320P	MS 320W/H7.5/ED28/PS/S740	Mogul	ED28	8-5/16"	30,000	4000K	68	20,000	
350	350P	MS 350W/H7.5/ED28/PS/S740	Mogul	ED28	8-5/16"	33,000	4000K	68	20,000	
400	400P	MS 400W/H7.5/ED28/PS/S740	Mogul	ED28	8-5/16"	40,000	4000K	68	20,000	

Quartz Arc Tube Probe Start Metal Halide Tubular Envelope Horizontal Burning (Xtra-Large Reflector)										
1000	1000	MS 1000W/H/OR/BI37/3K	Mogul	BT37	11-1/2"	115,000	3400K	70	12,000	

Tungsten Halogen										
100	0100	Q 100DC	D.C. Bayonet	T4	2-7/16"	1,550	2800K	>95	2,000	
150	0150	Q 150DC	D.C. Bayonet	T4	2-7/16"	2,700	2900K	>95	2,000	
200	0200	Q 200T3	RSC	T3	3-1/8"	3,400	2900K	>95	2,000	
250	0250	Q 250DC	D.C. Bayonet	T4	3"	4,800	3000K	>95	2,000	
300	0300	Q 300T3	RSC	T3	4-1/16"	5,770	2900K	>95	2,000	
350	0350	Q 350/CL/HR	RSC	T3	4-1/16"	10,000	3075K	>95	2,000	③
500	0500	Q 500T3	RSC	T3	4-1/16"	10,700	3000K	>95	2,000	
900	0900	Q 900/CL/HR	RSC	T3	10-1/16"	32,000	3160K	>95	2,000	③ ④
1000	1000	Q 1000T3/CL	RSC	T3	10-1/16"	21,500	3000K	>95	2,000	⑤

Incandescent										
25	025	25T6-1/2/F	Intermediate	T6-1/2	5-1/2"	240	2600K	>95	1,000	
40	040	40T6-1/2/F	Intermediate	T6-1/2	5-1/2"	420	2600K	>95	750	

- Notes:**
- Average rated life is the approximate hours at which 50% of a large group of lamps are still operating. Metal halide lamp life is based on 10 or more operating hours per start and may increase or decrease as the hours per start increases or decreases.
 - New Ceramic Arc Tube lamps with 90 CRI, 20,000 hours life and up to 120 lumens per watt.
 - 350 and 900W IR coated tungsten halogen lamps yield approximately the same light output as conventional 500 and 1500W lamps respectively.
 - 900W tungsten halogen lamp available in 240V and 277V only.
 - 1000W tungsten halogen lamp available in 120V, 220V, and 240V.

elliptipar
114 Boston Post Road, West Haven, Connecticut 06516, USA
Voice 203.931.4455 • Fax 203.931.4464 • www.elliptipar.com



Diagram 1

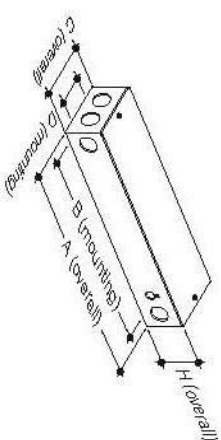
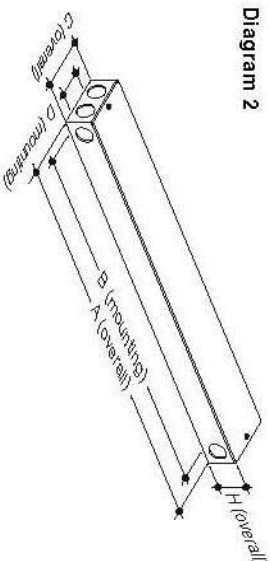


Diagram 2



Fluorescent Remote Ballast Dimensions

Lamp Type	Ballast Type	Lamp Watts	Max. Wire Distance \oplus	Overall Dimensions			Mounting Dim.		Dia-gram	Notes
				L ([#] A [#])	W ([#] C [#])	H ([#] H [#])	L ([#] B [#])	W ([#] D [#])		
Non-Dimming										
Quad Tube Compact	Electronic	26	9'	12"	3-3/8"	2"	10-3/8"	2"	1	Ⓣ
Hex Tube Compact	Electronic	32, 42	9'	12"	3-3/8"	2"	10-3/8"	2"	1	Ⓣ
Long Twin Tube	Electronic	36/39, 40, 50, 55	12'	12"	3-3/8"	2"	10-3/8"	2"	1	Ⓣ
Long Twin Tube	Electronic	80 (only)	12'	21-5/8"	3-1/8"	1-5/8"	19-3/8"	1-3/4"	2	Ⓣ
T8 Linear	Electronic	17, 25, 32, 40	18'	12"	3-3/8"	2"	10-3/8"	2"	1	Ⓣ
T5 Linear	Electronic	14, 21, 28, 35	18'	21-5/8"	3-1/8"	1-5/8"	19-3/8"	1-3/4"	2	Ⓣ
T5 HO Linear	Electronic	24, 39, 55, 80	18'	21-5/8"	3-1/8"	1-5/8"	19-3/8"	1-3/4"	2	Ⓣ
Dimming										
Hex Tube Compact	Electronic	32, 42	3'	12"	3-3/8"	2"	10-5/8"	2"	1	Ⓣ
Long Twin Tube	Electronic	36/39, 40, 50	3'	12"	3-3/8"	2"	10-5/8"	2"	1	Ⓣ
T8 Linear	Electronic	17, 25, 32, 40	7'	12"	3-3/8"	2"	10-5/8"	2"	1	Ⓣ
T5 Linear	Electronic	14, 21, 28, 35	7'	21-1/2"	3-1/8"	1-5/8"	19-3/8"	1-3/4"	2	Ⓣ
T5HO Linear	Electronic	24, 39, 55	7'	21-1/2"	3-1/8"	1-5/8"	19-3/8"	1-3/4"	2	Ⓣ

Notes:

- ① Distance shown is for maximum one-way wire length from ballast to furthest lamp socket. Depending on the length of lamp/reflector and exit location of the wire leads, the maximum distance from luminaire to ballast will be less. See individual luminaire data pages for maximum remote ballast mounting distance.
 - Ⓣ Manufacturer/model of furnished electronic ballast(s) shall be at **elliptipar's** discretion and shall meet or exceed the following criteria:
 - Total harmonic distortion (THD) < 20%
 - Power factor (PF) > 0.90
 - Ballast factor (BF) > 0.95
 - Current crest factor (CF) < 1.7
 - Sound rating A or better
 - ANSI, IEEE, and FCC compliant for electronic interference (EMI) and radio frequency interference (RFI)
 - UL listed or CSA certified depending upon destination
 - Minimum 3 year ballast manufacturer's limited warranty
- For a specifically named ballast manufacturer and/or model, consult your local sales representative for availability and lead time.
- Remote Ballast Installation:**
- Use wire rated for at least 90°C for supply connections.
 - When installing more than one ballast in a common area, maintain minimum six-inch spacing between ballasts. Provide ventilation in area where ballasts are installed.



Indoor Ballast Information

Metal Halide

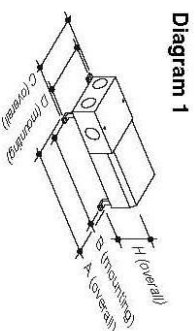


Diagram 1

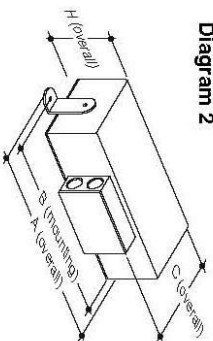


Diagram 2

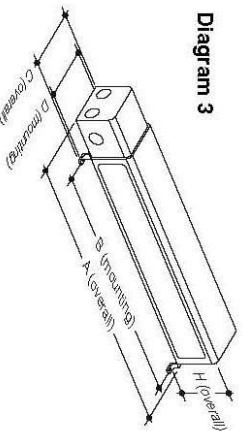


Diagram 3

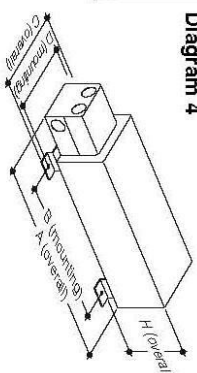


Diagram 4

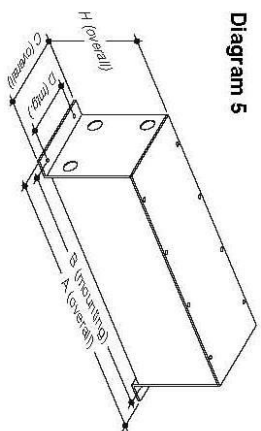


Diagram 5

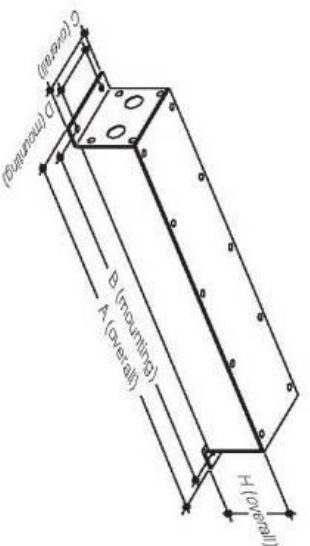
Lamp Watts	Lamp Code	Voltage Code	Input Voltages	Option ③	Ballast Type	Remote Distance	Sound Rating	Overall Dimension			Mounting Dim.		Notes	
								L (A)	W (C)	H (H)	L (B)	W (D)		
35W	035G	1, 2	120-277V	00, V0	electronic	15' (4.5m)	A	1	9.5/16"	4-1/2"	2-1/4"	8-1/2"	4"	①
		A, B	120/277V	00, V0	HX-HPF, encapsulated	15' (4.5m)	A	5	13-7/16"	6-3/8"	4"	11-3/16"	n/a	①
35W	035G	A, B	120/277V	0H, VH	HX-HPF, open core and coil	10' (3m)	B	3	14"	4-1/2"	3"	11-1/8"	4"	②③
		A, B	120/277V	0Q, VQ	HX-HPF, encapsulated	50' (15m)	n/a	4	13-13/16"	5-3/4"	3-9/16"	9-9/16"	5"	①
		1, 2	120-277V	00, V0	electronic	15' (4.5m)	A	1	9.5/16"	4-1/2"	2-1/4"	8-1/2"	4"	①
		1, 2	120-277V	0Q, VQ	electronic	15' (4.5m)	A	5	13-7/16"	6-3/8"	4"	12-3/16"	n/a	①
70W	070G	A, B	120/277V	00, VH	HX-HPF, encapsulated	20' (6m)	B	3	14"	4-1/2"	3"	11-1/8"	4"	②③
		A, B	120/277V	0H, VH	HX-HPF, encapsulated	50' (15m)	B	5	18-3/8"	4-3/16"	3-5/8"	17-3/8"	3"	①
150W	150G	A, B	120/277V	0Q, VQ	HX-HPF, encapsulated	50' (15m)	B	5	18-3/8"	4-3/16"	3-5/8"	17-3/8"	3"	①
		1, 2	120-277V	00, V0	electronic	15' (4.5m)	A	1	9.5/16"	4-1/2"	2-1/4"	8-1/2"	4"	①
210W	210C	1, 2	120-277V	0Q, VQ	electronic	15' (4.5m)	A	5	16-1/4"	4-3/16"	3"	13-7/8"	2-1/4"	①
		U	180-306V	0Q, V0	electronic dimming (100-50%)	30' (9m)	A	5	18-3/8"	5-1/2"	6-1/4"	17-3/16"	4"	①
250W	250C	A, B	120/277V	0Q, VQ	CWA, potted core and coil	50' (15m)	B	5	18"	5-1/2"	6-1/4"	17"	4"	①
		A, B, E, G	120/208/240/277V	00, V0, 0Q, VQ	CWA, potted core and coil	50' (15m)	n/a	5	18"	5-1/2"	6-1/4"	17"	4"	①
250W	250P	U	180-306V	0Q, VQ	electronic dimming (100-50%)	15' (4.5m)	A	5	16-1/8"	4"	2-3/4"	13-7/8"	2-1/4"	①
		U	180-306V	0Q, VQ	electronic dimming (100-50%)	15' (4.5m)	A	5	16-1/8"	4"	2-3/4"	13-7/8"	2-1/4"	①
315W	315C	U	180-306V	0Q, VQ	electronic dimming (100-50%)	30' (9m)	A	5	18-3/8"	5-1/2"	6-1/4"	17-3/16"	4"	①
		U	180-306V	0Q, VQ	electronic dimming (100-50%)	30' (9m)	A	5	18-3/8"	5-1/2"	6-1/4"	17-3/16"	4"	①
320W	320P	A, B, E, G	120/208/240/277V	00, V0	CWA, potted core and coil	50' (15m)	B	5	18-3/8"	5-1/2"	6-1/4"	17-3/16"	4"	①
		U	180-306V	0Q, V0	electronic dimming (100-50%)	15' (4.5m)	A	1	11-3/4"	5-1/4"	2-5/8"	8-7/8"	4-1/2"	①
350W	350P	U	180-306V	0Q, VQ	electronic dimming (100-50%)	15' (4.5m)	A	5	16-1/8"	4"	2-3/4"	13-7/8"	2-1/4"	①
		A, B, E, G	120/208/240/277V	00, V0	CWA, potted core and coil	50' (15m)	B	5	18-3/8"	5-1/2"	6-1/4"	17-3/16"	4"	①
400W	400C	A, B, E, G	120/208/240/277V	all	CWA, potted core and coil	50' (15m)	B	5	18-3/8"	5-1/2"	6-1/4"	17-3/16"	4"	①
		U	180-306V	0Q, VQ	electronic dimming (100-50%)	15' (4.5m)	A	5	16-1/8"	4"	2-3/4"	13-7/8"	2-1/4"	①
400W	400P	A, B, E, G	120/208/240/277V	00, V0	CWA, potted core and coil	50' (15m)	B	5	18-3/8"	5-1/2"	6-1/4"	17-3/16"	4"	①
		U	180-306V	0Q, V0	electronic dimming (100-50%)	15' (4.5m)	A	1	11-3/4"	5-1/4"	2-5/8"	8-7/8"	4-1/2"	①
2 X 400W	240C	A, B, E, G	120/208/240/277V	all	(2) CWA, potted core and coil	50' (15m)	B	5	25-3/16"	5-1/2"	6-1/4"	24-3/16"	4"	③
		U	180-306V	0Q, VQ	electronic dimming (100-50%)	15' (4.5m)	A	1	11-3/4"	5-1/4"	2-5/8"	8-7/8"	4-1/2"	①
2 X 400W	240P	A, B, E, G	180-306V	0Q, V0	(2) electronic dimming (100-50%)	15' (4.5m)	A	(2) 1	11-3/4"	5-1/4"	2-5/8"	8-7/8"	4-1/2"	③③
		U	180-306V	0Q, VQ	(2) electronic dimming (100-50%)	15' (4.5m)	A	(2) 5	16-1/8"	4"	2-3/4"	13-7/8"	2-1/4"	③③
1000W	1000W	A, B	120-277V	00, V0, 0Q, VQ	CWA, potted core and coil	200' (60m)	C	5	18-1/8"	6-1/2"	6"	17-1/8"	4"	③

Notes: ① If luminaire to ballast distance is to be greater than lead length provided, limit the total wire length between lamp and ballast to the maximum marked on the ballast. Use UL listed/CSA certified 600V wire sized and enclosed in accordance with local and national electric codes. Do not run wires around sharp corners of grounded metal without an additional insulating sleeve over the "hot" wire. ② Maximum dimensions are shown for reference only. Exact dimensions vary with ballast manufacturer. ③ Luminaire supplied with two ballasts enclosed in a single housing. ④ See individual data page for complete explanation of option codes. ⑤ Based on #12 AWG wire.

Remote Ballast Installation: • Use wire rated for at least 90°C for supply connections. • When installing more than one ballast in a common area, maintain minimum 6" spacing between ballasts (12" for pulse-start). • Provide installation in area where ballasts are installed.



Diagram 1



Fluorescent Remote Ballast Dimensions

Lamp Type	Ballast Type	Lamp Watts	Max. Wire Distance (1)	Overall Dimensions			Mounting Dimensions		Minimum Starting Temp.	Diagram	Notes
				Length (A)	Width (C)	Height (H)	Length (B)	Width (D)			
1 light Hex tube	Electronic	1x32, 1x42	9'	9"	4-3/16"	3-1/2"	8"	3"	0°F	1	(2)
2 light Hex tube	Electronic	2x32, 2x42	9'	9"	4-3/16"	3-1/2"	8"	3"	0°F	1	(2)
T5	Electronic	14, 21, 28, 35	18'	22"	3-3/8"	2-1/2"	21-3/16"	2"	0°F	1	(2)
T5 HO	Electronic	24, 39, 55, 80	18'	22"	3-3/8"	2-1/2"	21-3/16"	2"	0°F	1	(2)
T8	Electronic	17, 25, 32, 40	18'	13-7/8"	3-3/8"	2-1/2"	13"	2"	0°F	1	(2)
T12HO	Magnetic	45, 60, 75, 85, 110	see below	18-3/8"	4-3/16"	3-1/2"	17-3/8"	3"	-20°F	1	
T12VHO	Magnetic	110, 160, 215	see below	21"	4-3/16"	3-1/2"	20"	3"	-20°F	1	

Notes:

1) Distance shown is for maximum one-way wire length from ballast to furthest lamp socket. Depending on the length of lamp/reflector and exit location of the wire leads, the maximum distance from luminaire to ballast will be less. See individual luminaire data pages for maximum remote ballast mounting distance.

2) Manufacturer/model or furnished electronic ballast(s) shall be at **elliptipar's** discretion and shall meet or exceed the following criteria:

- Total harmonic distortion (THD) < 10%
 - Power factor (PF) > 0.90
 - Ballast factor (BF) > 0.95
 - Current crest factor (CF) < 1.7
 - Sound rating A or better
 - ANSI, IEEE, and FCC compliant for electronic interference (EMI) and radio frequency interference (RFI)
 - UL listed or CSA certified depending upon destination
 - Minimum 3 year ballast manufacturer's limited warranty
- For a specifically named ballast manufacturer and/or model, consult your local sales representative for availability and lead time.

Remote Ballast Installation:

- Use wire rated for at least 90°C for supply connections.
- When installing more than one ballast in a common area, maintain minimum six-inch spacing between ballasts. Provide ventilation in area where ballasts are installed.



Outdoor Ballast Information

Diagram 1

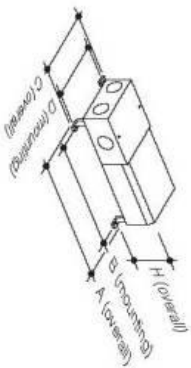


Diagram 2

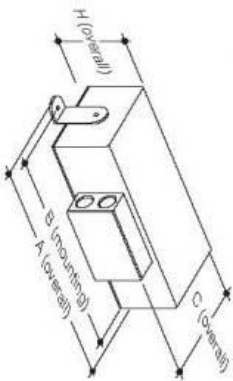


Diagram 3

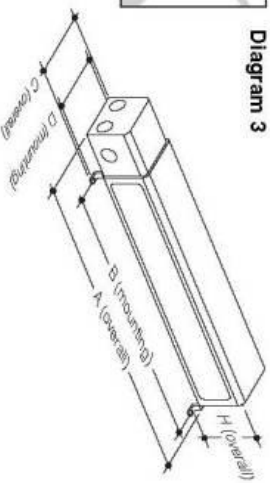
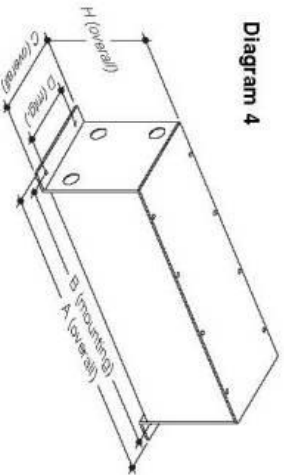


Diagram 4



Lamp Watts	Lamp Code	Voltage Code	Input Voltages	Option (4)	Ballast Type	Remote Distance	Sound Rating	Diagram	Overall Dimensions				Mounting Dim.	Notes
									L (A)	W (C)	H (H)	L (B)	W (D)	
35W	035G	1, 2	120-277V	00, V0	electronic	15' (4.5m)	A	4	13-7/8"	3-3/8"	2-5/8"	13"	2"	(1)
		1, 2	120-277V	0D, VD	electronic	15' (4.5m)	A	1	9-5/16"	4-1/2"	2-1/4"	8-1/2"	4"	(1)
35W	035G	A, B	120/277V	00, V0	HX-HPF, open core and coil	10' (3m)	n/a	2	11-3/4"	5-1/4"	2-5/8"	8-7/8"	4-1/2"	(1)
		A, B	120/277V	0H, VH	HX-HPF, open core and coil	50' (15m)	n/a	2	11-3/4"	5-1/4"	2-5/8"	8-7/8"	4-1/2"	(1)
		A, B	120/277V	0D, VD	HX-HPF, encapsulated	10' (3m)	B	3	14"	4-1/2"	3"	11-1/8"	4"	(1) (2)
		1, 2	120-277V	00, V0	electronic	15' (4.5m)	A	4	13-7/8"	3-3/8"	2-5/8"	13"	2"	(1)
70W	070G	1, 2	120-277V	0D, VD	electronic	15' (4.5m)	A	1	9-5/16"	4-1/2"	2-1/4"	8-1/2"	4"	(1)
		A, B	120/277V	00, V0	HX-HPF, open core and coil	10' (3m)	n/a	2	11-3/4"	5-1/4"	2-5/8"	8-7/8"	4-1/2"	(1)
70W	070G	A, B	120/277V	0H, VH	HX-HPF, open core and coil	50' (15m)	n/a	2	11-3/4"	5-1/4"	2-5/8"	8-7/8"	4-1/2"	(1)
		A, B	120/277V	0D, VD	HX-HPF, encapsulated	10' (3m)	B	3	14"	4-1/2"	3"	11-1/8"	4"	(1) (2)
150W	150G	1, 2	120-277V	00, V0	electronic	15' (1.5m)	A	4	12-5/16"	4-3/16"	3-5/8"	11-5/16"	3"	(1)
		1, 2	120-277V	0D, VD	electronic	15' (1.5m)	A	1	9-5/16"	4-1/2"	2-1/4"	8-1/2"	4"	(1)
210W	210C	U	180-305V	00, V0	electronic dimming (100-50%)	30' (9m)	A	4	18-3/8"	5-1/2"	6-1/4"	17-3/16"	4"	(1)
		A, B	120/277V	00, V0	CWA, open core and coil	50' (15m)	B	4	18-3/8"	5-1/2"	6-1/4"	17-3/16"	4"	(1)
250W	250C	A, B	120/277V	0D, VD	CWA, open core and coil	50' (15m)	A	4	18-3/8"	5-1/2"	6-1/4"	17-3/16"	4"	(1)
		A, B	120/277V	00, V0	CWA, open core and coil	50' (15m)	n/a	4	18-3/8"	5-1/2"	6-1/4"	17-3/16"	4"	(1)
315W	315C	U	180-305V	0D, VD	electronic dimming (100-50%)	15' (4.5m)	A	4	16-1/8"	4"	2-3/4"	13-7/8"	2-1/4"	(1)
		A, B	120/277V	00, V0	CWA, open core and coil	50' (15m)	B	4	18-3/8"	5-1/2"	6-1/4"	17-3/16"	4"	(1)
320W	320P	U	180-305V	0D, VD	electronic dimming (100-50%)	15' (4.5m)	A	4	16-1/8"	4"	2-3/4"	13-7/8"	2-1/4"	(1)
		A, B	120/277V	00, V0	CWA, open core and coil	50' (15m)	A	1	11-3/4"	5-1/4"	2-5/8"	8-7/8"	4-1/2"	(1)
350W	350P	A, B	120/277V	0D, VD	CWA, open core and coil	50' (15m)	B	4	18-3/8"	5-1/2"	6-1/4"	17-3/16"	4"	(1)
		U	180-305V	00, V0	electronic dimming (100-50%)	15' (4.5m)	A	4	16-1/8"	4"	2-3/4"	13-7/8"	2-1/4"	(1)
400W	400C	U	180-305V	0D, VD	electronic dimming (100-50%)	15' (4.5m)	A	1	11-3/4"	5-1/4"	2-5/8"	8-7/8"	4-1/2"	(1)
		A, B	120/277V	00, V0	CWA, open core and coil	50' (15m)	B	4	18-3/8"	5-1/2"	6-1/4"	17-3/16"	4"	(1)
2 x 400W	240C	A, B	120/277V	00, V0, 0D, VD	(2) CWA, open core and coil	50' (15m)	B	4	25-3/16"	5-1/2"	6-1/4"	24-3/16"	4"	(3)

Notes:

- 35W, 70W and 150W metal halide luminaires with remote ballast are supplied with 5' leads. If luminaire-to-ballast distance is to be greater than 5', the following precautions must be followed:
 - Limit the total wire length between lamp and ballast to the maximum marked on the ballast (see chart below).
 - Use UL listed / CSA certified 600V wirenuts for splices.
 - Maintain a minimum 3/8" clearance between splices and grounded metal.
 - Use 600V wire sized and enclosed in accordance with local and national electric codes.
 - Do not run wires close to grounded metal or around sharp corners without an additional insulating sleeve over the "hot" wire (see wiring diagram on instruction sheet or ballast).
 - Maximum dimensions are shown for reference only. Exact dimensions vary with ballast manufacturer.
 - Luminaire supplied with two ballasts enclosed in a single housing.
 - See individual data page for complete explanation of option codes.
- Remote Ballast Installation:**
- Use wire rated for at least 90°C for supply connections.
 - When installing more than one ballast in a common area, maintain minimum six-inch spacing between ballasts. Provide ventilation in area where ballasts are installed.
 - When mounting to a vertical surface, mount with wire compartment down.

