

## HazMax Pinnacle/al



### FEATURES

- Fluorescent system provides energy savings up to 50% when compared to HID.
- Multi voltage electronic ballast resistant to brownouts or voltage and frequency fluctuations.
- Field replaceable lens and gasket.
- Acrylic lens withstands constant exposure to sunlight and contact with petroleum based products.
- Neoprene gasket resists petroleum.
- Permanent safety cable mounting points at each end.
- Fixture may be mounted horizontally or vertically and rotated up to 270°.
- Tool less entry via heavy duty twist draw latches.
- Lens frame hinged on side for easy lamp replacement.
- Spring loaded lamp holders, for linear lamps resist shock and vibration.
- Optional self contained emergency battery backup ballasts.
- Optional certified test switch on emergency models.

### APPLICATIONS

- Hazardous locations
- Watertight requirements
- Dusttight requirements
- Oil and gas exploration and production
- Waste water treatment plants
- Pipeline compressor / pumping & storage
- Maintenance & lubrication pits
- Petrochemical facilities
- High abuse areas

### APPROVALS

- Class I Division 2 Groups A, B, C & D
- Class I Zone 2 Groups IIA, IIB & IIC
- Class II Division 2 Groups F & G
- Class III
- Type 4
- Conforms to IP66

### STANDARDS

- UL 844 - Hazardous Locations
- UL 1598 - Luminaires
- CSA - Class 3428 03
- CSA - Class 3428 83

### TECHNICAL SPECIFICATIONS

#### HOUSING

Extruded aluminum with cast end caps.

#### LENS

0.125 inch thick clear acrylic, optional polycarbonate.

#### REFLECTOR

Aluminum parabolic with an electrostatically applied powder coat finish. Minimum 90% reflectance.

#### GASKET

One piece neoprene.

#### MOUNTING

Optional mounting kits available. Please see MOUNTING OPTIONS.

#### LATCHES

Plated steel twist draw.

#### LAMP HOLDER

Double spring loaded on linear models.

#### ENTRIES

½" NPT feed-through outlets, ¾" NPT outlets optional.

#### LAMP TYPES

See ORDERING REFERENCES. Lamps not provided.

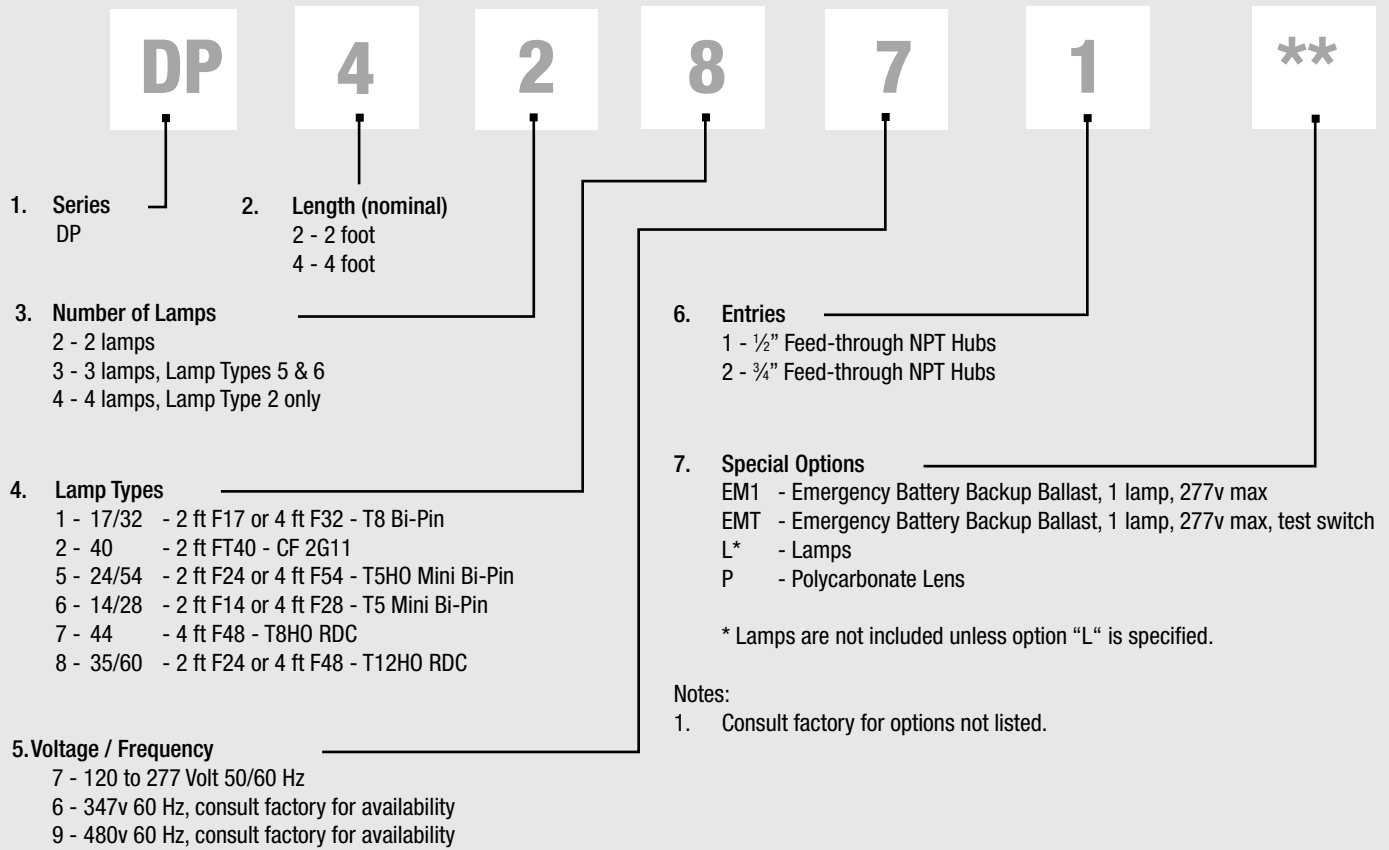
#### BALLAST

120 to 277 volt 50/60 Hz electronic, optional 347v and 480v.

#### EMERGENCY BATTERY BACKUP BALLAST

Optional, self contained 90 minute minimum for all lamp types. 120 minutes minimum for F32T8 one lamp. Starting temperature 32°F/0°C.

## ORDERING REFERENCES



## TEMPERATURE CODES & APPROVALS

| Lamp Wattage | Ballast/Socket Type | ANSI Lamp Code | Class I T-Code | Class I Division 2 | Class II Division 2 | Class III | Class II & III T-Code | Starting Temp | Maximum Ambient* | Supply Wire |
|--------------|---------------------|----------------|----------------|--------------------|---------------------|-----------|-----------------------|---------------|------------------|-------------|
| 17           | T8 Bi-Pin G13       | F17-T8         | T5             | A,B,C & D          | F & G               | Yes       | T3C                   | 0°F / -18°C   | 55°C             | 90°C        |
| 32           | T8 Bi-Pin G13       | F32-T8         | T5             | A,B,C & D          | F & G               | Yes       | T3C                   | -20°F / -29°C | 55°C             | 90°C        |
| 40           | 4 Pin 2G11          | FT40-CF        | T5             | A,B,C & D          | F & G               | Yes       | T3C                   | 0°F / -18°C   | 55°C             | 90°C        |
| 24/54        | T5HO Mini Bi-Pin G5 | F24/F54-T5HO   | T5             | A,B,C & D          | N/A                 | No        | N/A                   | -20°F / -29°C | 40°C             | 90°C        |
| 14/28        | T5 Mini Bi-Pin G5   | F14/F28-T5     | T5             | A,B,C & D          | F & G               | Yes       | T3C                   | 0°F / -18°C   | 40°C             | 90°C        |
| 44           | T8HO RDC R17d       | F48-T8HO       | T4A            | A,B,C & D          | F & G               | Yes       | T3C                   | -20°F / -29°C | 40°C             | 90°C        |
| 35/60        | T12HO RDC R17d      | F24/F48-T12HO  | T4A            | A,B,C & D          | F & G               | Yes       | T3C                   | -20°F / -29°C | 40°C             | 90°C        |

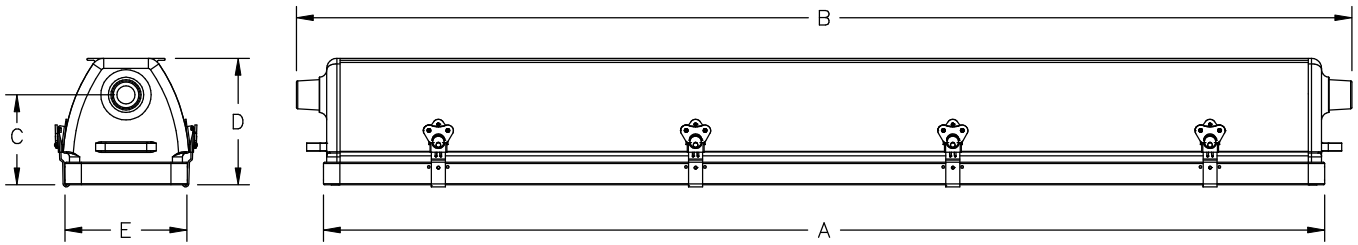
\*Consult factory for optional higher ambient models.

# HazMax Pinnacle/al

## SPARE PARTS

| Part No.  | Description   |          |  |
|-----------|---|----------|--|
| FX5350    | BALLAST 120-277V AC 50/60HZ, 1 x 14, F14T5                                  | FX3568   | LAMP, 24w, F24T5HO                     |
| FX5350    | BALLAST 120-277V AC 50/60HZ, 1 x 28, F28T5                                  | FX3567   | LAMP, 54w, F54T5HO                     |
| FX5307    | BALLAST 120-277V AC 50/60HZ, 1 x 24, F24T5HO                                | FX3528   | LAMP, 17w, F17T8                       |
| FX5305    | BALLAST 120-277V AC 50/60HZ, 1 x 54, F54T5HO                                | FX3527   | LAMP, 32w, F32T8                       |
| FX5174    | BALLAST 120-277V AC 50/60HZ, 1 x 17, F17T8                                  | FX3565   | LAMP, 44w, F48T8HO                     |
| FX5221    | BALLAST 120-277V AC 50/60HZ, 1 x 32, F32T8                                  | FX3507   | LAMP, 35w, F24T12HO                    |
| FX5349    | BALLAST 120-277V AC 50/60HZ, 1 x 44, F48T8HO                                | FX3505   | LAMP, 60w, F48T12HO                    |
| FX5334    | BALLAST 120-277V AC 50/60HZ, 1 x 35, F24T12HO                               | FX3533   | LAMP, 40w CF, FT40 2G11                |
| FX5334    | BALLAST 120-277V AC 50/60HZ, 1 x 60, F48T12HO                               | 103-2000 | LENS & FRAME ASSEMBLY, 2 ft. models    |
| FX5272    | BALLAST 120-277V AC 50/60HZ, 1 X 40 CF, FT40 2G11                           | 103-2001 | DOOR FRAME ONLY, 2 ft. models          |
| FX5350    | BALLAST 120-277V AC 50/60HZ, 2 x 14, F14T5                                  | 103-2100 | LENS ONLY, (acrylic), for 2 ft. models |
| FX5350    | BALLAST 120-277V AC 50/60HZ, 2 x 28, F28T5                                  | 103-2200 | LENS GASKET, 2 ft. models              |
| FX5307    | BALLAST 120-277V AC 50/60HZ, 2 x 24, F24T5HO                                | 103-2300 | REFLECTOR, 2 ft. models                |
| FX5305    | BALLAST 120-277V AC 50/60HZ, 2 X 54, F54T5HO                                | 035-1060 | Latch assembly                         |
| FX5340    | BALLAST 120-277V AC 50/60HZ, 2 x 17, F17T8                                  | 103-4000 | LENS & FRAME ASSEMBLY, 4 ft. models    |
| FX5340    | BALLAST 120-277V AC 50/60HZ, 2 x 32, F32T8                                  | 103-4001 | DOOR FRAME ONLY, 4 ft. models          |
| FX5349    | BALLAST 120-277V AC 50/60HZ, 2 x 44, F48T8HO                                | 103-4100 | LENS ONLY (acrylic), 4 ft. models      |
| FX5334    | BALLAST 120-277V AC 50/60HZ, 2 x 35, F24T12HO                               | 103-4200 | LENS GASKET, 4 ft. models              |
| FX5334    | BALLAST 120-277V AC 50/60HZ, 2 x 60, F48T12HO                               | 103-4300 | REFLECTOR, 4 ft. models                |
| FX5272    | BALLAST 120-277V AC 50/60HZ, 2 x 40, FT40 2G11                              | 758-0523 | LAMP HOLDER, HO T8 & T12               |
| FX5128HDU | EMERGENCY BATTERY BACKUP BALLAST, EM1/EMT1, 120v-277v, CF, T8, T8HO & T12HO | 752-6051 | LAMP HOLDER, 2G11, 4 Pin               |
| FX5346HDU | EMERGENCY BATTERY BACKUP BALLAST, EM1/EMT1, 120v-277v, T5 & T5HO            | 754-7102 | LAMP HOLDER, T12 & T8, Bi-Pin          |
| FX3573    | LAMP, 14w, F14T5  | 754-0005 | LAMP HOLDER, T5 HO, fixed & spring set |
| FX3574    | LAMP, 28w, F28T5  |          |  |

## DIMENSIONS



| Nominal Length | Dimensions in Inches / Centimeters |              |            |            |            | Carton L x W x D inches | Nominal Weight |       |
|----------------|------------------------------------|--------------|------------|------------|------------|-------------------------|----------------|-------|
|                | A                                  | B            | C          | D          | E          |                         | Lbs            | Kg    |
| 2 Foot         | 26.0 / 66.0                        | 27.6 / 70.2  | 4.4 / 11.1 | 6.3 / 16.0 | 6.5 / 16.5 | 8¼ X 6¼ X 31⅞           | 23.0           | 10.4  |
| 4 Foot         | 50.0 / 127.0                       | 51.6 / 131.1 | 4.4 / 11.1 | 6.3 / 16.0 | 6.5 / 16.5 | 10 X 8 X 56             | 32.0           | 14.55 |

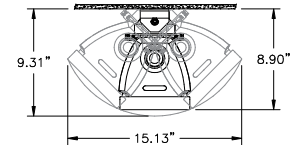
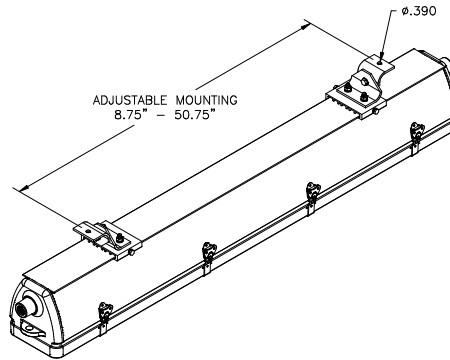
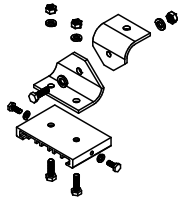
## MOUNTING OPTIONS

### DP1050MTK\*

Back mount swivel kit.

2 aluminum brackets with slide mount.

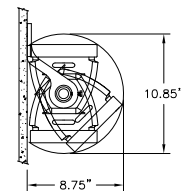
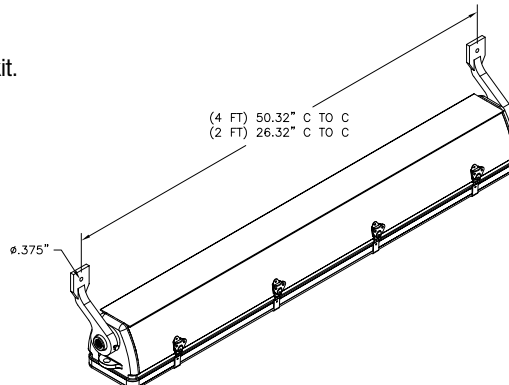
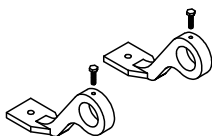
\*Add suffix PS for plated steel swivel brackets.



### DP1052MTK

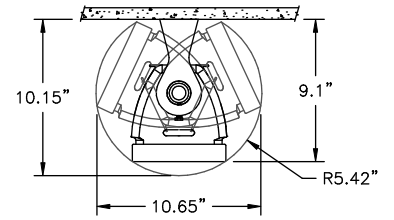
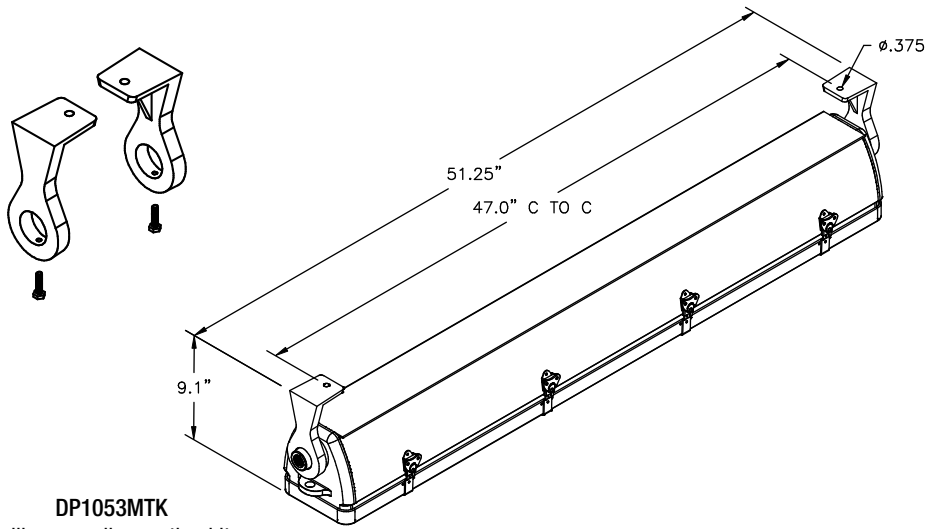
Offset wall or ceiling mounting kit.

2 cast aluminum brackets.

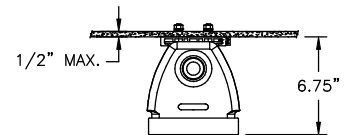
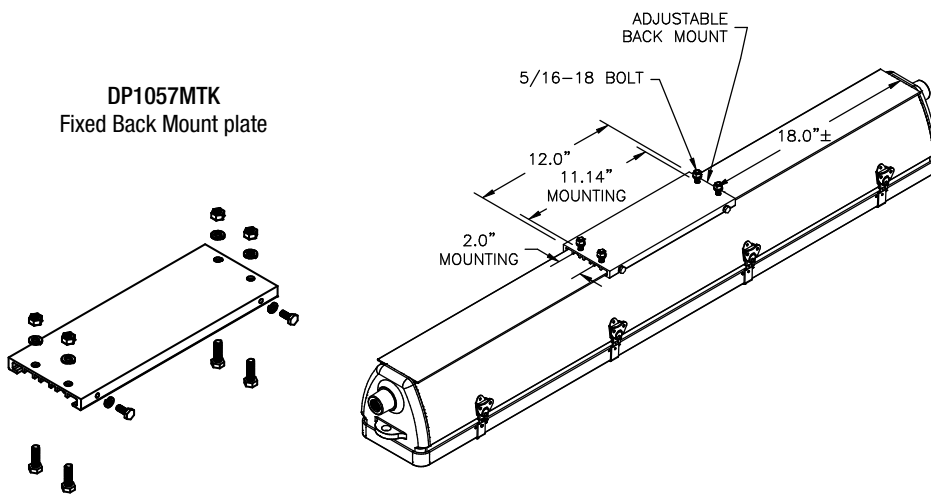


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## MOUNTING OPTIONS



**DP1053MTK**  
Ceiling or wall mounting kit.  
2 Cast aluminum brackets.



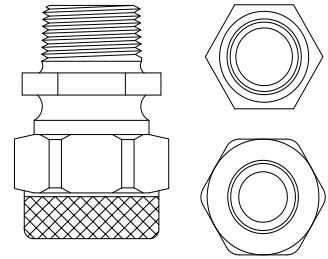
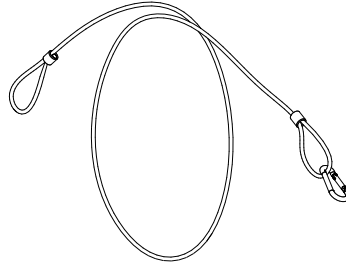
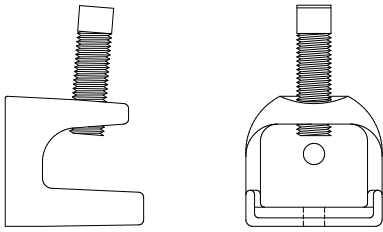
**DP1057MTK**  
Fixed Back Mount plate

## MOUNTING OPTIONS

### FX7028

#### Beam Clamp Kit

Includes Beam clamps (2), Safety Cable & Cable Gland.



### BC2K

#### 2 Beam Clamp Kit.

For use with Surface mount kit.

### SC30H

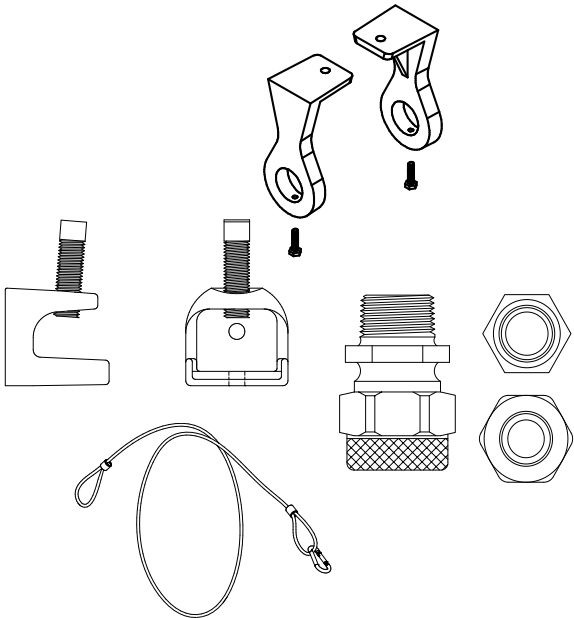
48" Safety Cable with snap hook.

### CX1502

Cable Gland 3/4" Aluminum,  
Cord Grip Range .438 - .562.

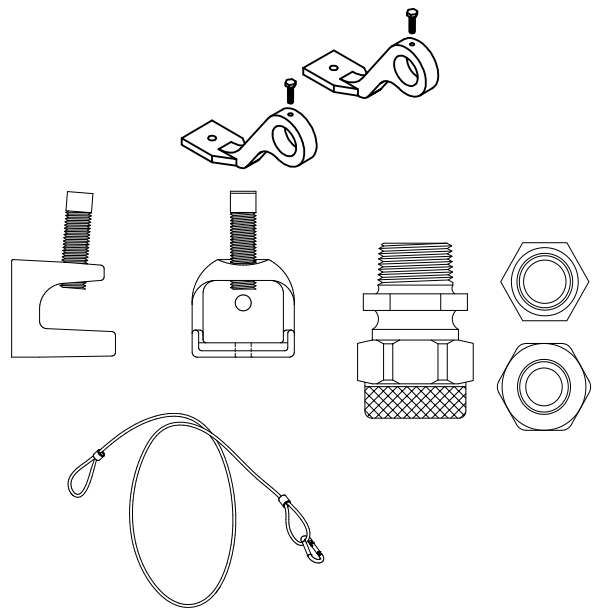
### DP-STKT

Includes FX7028 and DP1053MTK.



### DP-OFKT

Includes FX7028 and DP1052MTK.



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### FEATURES

- Fluorescent system provides energy savings up to 50% when compared to HID.
- Multi voltage electronic ballast resistant to brownouts or voltage and frequency fluctuations.
- Field replaceable lens and gasket.
- Acrylic lens withstands constant exposure to sunlight and contact with petroleum based products.
- Neoprene gasket resists petroleum.
- Permanent safety cable mounting points at each end.
- Fixture may be mounted horizontally or vertically and rotated up to 270°.
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- Lens frame hinged on side for easy lamp replacement.
- Spring loaded lamp holders, for linear lamps resist shock and vibration.
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- Optional certified test switch on emergency models.

### APPLICATIONS

- Hazardous locations
- Watertight requirements
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- Oil and gas exploration and production
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- High abuse areas

### APPROVALS

- Class I Division 2 Groups A, B, C & D
- Class I Zone 2 Groups IIA, IIB & IIC
- Class II Division 2 Groups F & G
- Class III
- Type 4
- Conforms to IP66

### STANDARDS

- UL 844 - Hazardous Locations
- UL 1598 - Luminaires
- CSA - Class 3428 03
- CSA - Class 3428 83

### TECHNICAL SPECIFICATIONS

#### HOUSING

Extruded aluminum with cast end caps.

#### LENS

0.125 inch thick clear acrylic, optional polycarbonate.

#### REFLECTOR

Aluminum parabolic with an electrostatically applied powder coat finish. Minimum 90% reflectance.

#### GASKET

One piece neoprene.

#### MOUNTING

Optional mounting kits available. Please see MOUNTING OPTIONS.

#### LATCHES

Plated steel twist draw.

#### LAMP HOLDER

Double spring loaded on linear models.

#### ENTRIES

½" NPT feed-through outlets, ¾" NPT outlets optional.

#### LAMP TYPES

See ORDERING REFERENCES. Lamps not provided.

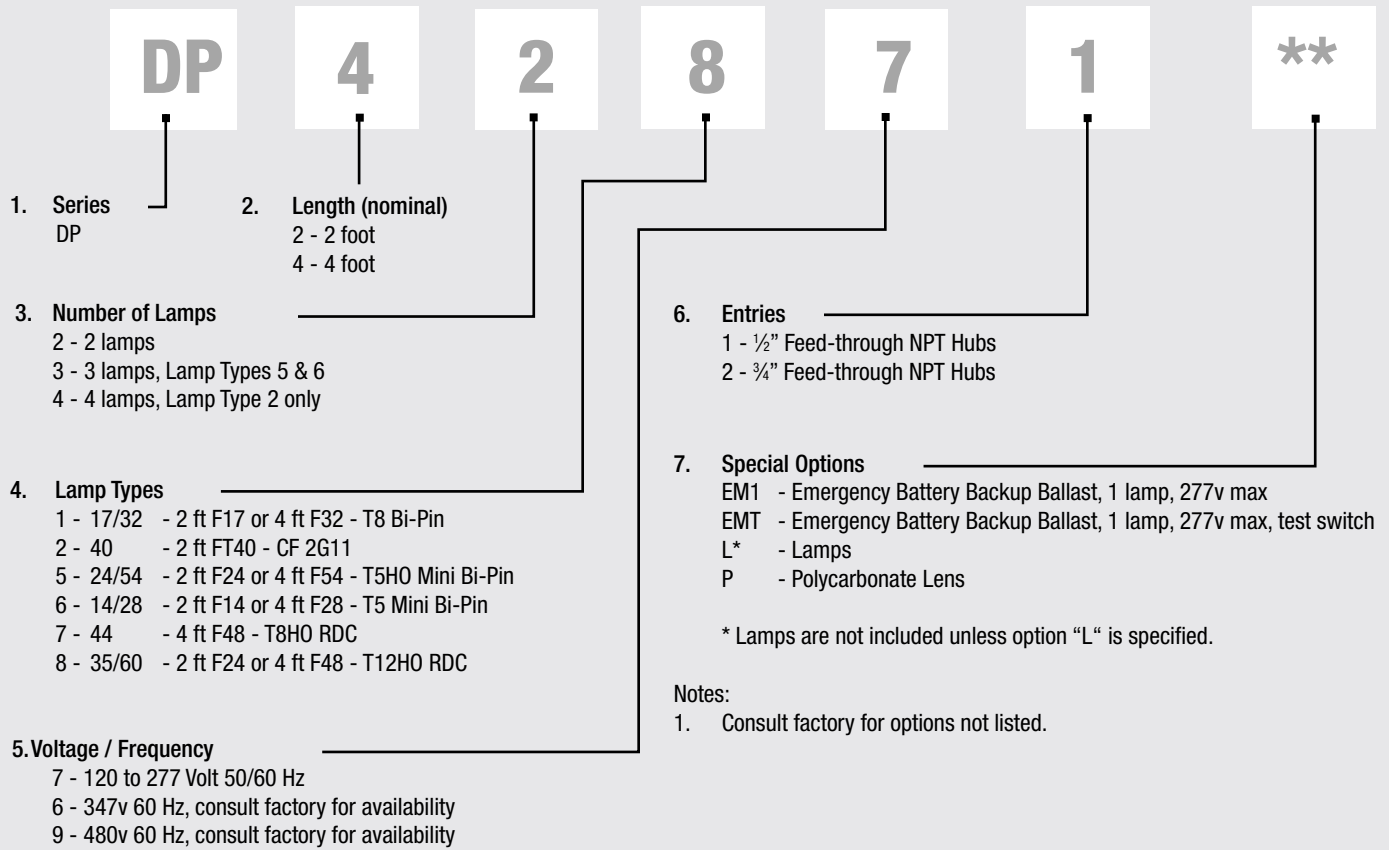
#### BALLAST

120 to 277 volt 50/60 Hz electronic, optional 347v and 480v.

#### EMERGENCY BATTERY BACKUP BALLAST

Optional, self contained 90 minute minimum for all lamp types. 120 minutes minimum for F32T8 one lamp. Starting temperature 32°F/0°C.

## ORDERING REFERENCES



## TEMPERATURE CODES & APPROVALS

| Lamp Wattage | Ballast/Socket Type | ANSI Lamp Code | Class I T-Code | Class I Division 2 | Class II Division 2 | Class III | Class II & III T-Code | Starting Temp | Maximum Ambient* | Supply Wire |
|--------------|---------------------|----------------|----------------|--------------------|---------------------|-----------|-----------------------|---------------|------------------|-------------|
| 17           | T8 Bi-Pin G13       | F17-T8         | T5             | A,B,C & D          | F & G               | Yes       | T3C                   | 0°F / -18°C   | 55°C             | 90°C        |
| 32           | T8 Bi-Pin G13       | F32-T8         | T5             | A,B,C & D          | F & G               | Yes       | T3C                   | -20°F / -29°C | 55°C             | 90°C        |
| 40           | 4 Pin 2G11          | FT40-CF        | T5             | A,B,C & D          | F & G               | Yes       | T3C                   | 0°F / -18°C   | 55°C             | 90°C        |
| 24/54        | T5HO Mini Bi-Pin G5 | F24/F54-T5HO   | T5             | A,B,C & D          | N/A                 | No        | N/A                   | -20°F / -29°C | 40°C             | 90°C        |
| 14/28        | T5 Mini Bi-Pin G5   | F14/F28-T5     | T5             | A,B,C & D          | F & G               | Yes       | T3C                   | 0°F / -18°C   | 40°C             | 90°C        |
| 44           | T8HO RDC R17d       | F48-T8HO       | T4A            | A,B,C & D          | F & G               | Yes       | T3C                   | -20°F / -29°C | 40°C             | 90°C        |
| 35/60        | T12HO RDC R17d      | F24/F48-T12HO  | T4A            | A,B,C & D          | F & G               | Yes       | T3C                   | -20°F / -29°C | 40°C             | 90°C        |

\*Consult factory for optional higher ambient models.

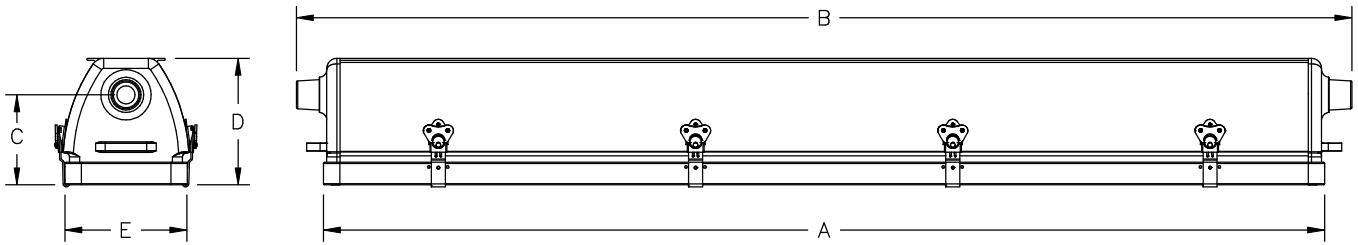


# HazMax Pinnacle/al

## SPARE PARTS

| Part No.  | Description   |          |  |
|-----------|---|----------|--|
| FX5350    | BALLAST 120-277V AC 50/60HZ, 1 x 14, F14T5                                  | FX3568   | LAMP, 24w, F24T5HO                     |
| FX5350    | BALLAST 120-277V AC 50/60HZ, 1 x 28, F28T5                                  | FX3567   | LAMP, 54w, F54T5HO                     |
| FX5307    | BALLAST 120-277V AC 50/60HZ, 1 x 24, F24T5HO                                | FX3528   | LAMP, 17w, F17T8                       |
| FX5305    | BALLAST 120-277V AC 50/60HZ, 1 x 54, F54T5HO                                | FX3527   | LAMP, 32w, F32T8                       |
| FX5174    | BALLAST 120-277V AC 50/60HZ, 1 x 17, F17T8                                  | FX3565   | LAMP, 44w, F48T8HO                     |
| FX5221    | BALLAST 120-277V AC 50/60HZ, 1 x 32, F32T8                                  | FX3507   | LAMP, 35w, F24T12HO                    |
| FX5349    | BALLAST 120-277V AC 50/60HZ, 1 x 44, F48T8HO                                | FX3505   | LAMP, 60w, F48T12HO                    |
| FX5334    | BALLAST 120-277V AC 50/60HZ, 1 x 35, F24T12HO                               | FX3533   | LAMP, 40w CF, FT40 2G11                |
| FX5334    | BALLAST 120-277V AC 50/60HZ, 1 x 60, F48T12HO                               | 103-2000 | LENS & FRAME ASSEMBLY, 2 ft. models    |
| FX5272    | BALLAST 120-277V AC 50/60HZ, 1 X 40 CF, FT40 2G11                           | 103-2001 | DOOR FRAME ONLY, 2 ft. models          |
| FX5350    | BALLAST 120-277V AC 50/60HZ, 2 x 14, F14T5                                  | 103-2100 | LENS ONLY, (acrylic), for 2 ft. models |
| FX5350    | BALLAST 120-277V AC 50/60HZ, 2 x 28, F28T5                                  | 103-2200 | LENS GASKET, 2 ft. models              |
| FX5307    | BALLAST 120-277V AC 50/60HZ, 2 x 24, F24T5HO                                | 103-2300 | REFLECTOR, 2 ft. models                |
| FX5305    | BALLAST 120-277V AC 50/60HZ, 2 X 54, F54T5HO                                | 035-1060 | Latch assembly                         |
| FX5340    | BALLAST 120-277V AC 50/60HZ, 2 x 17, F17T8                                  | 103-4000 | LENS & FRAME ASSEMBLY, 4 ft. models    |
| FX5340    | BALLAST 120-277V AC 50/60HZ, 2 x 32, F32T8                                  | 103-4001 | DOOR FRAME ONLY, 4 ft. models          |
| FX5349    | BALLAST 120-277V AC 50/60HZ, 2 x 44, F48T8HO                                | 103-4100 | LENS ONLY (acrylic), 4 ft. models      |
| FX5334    | BALLAST 120-277V AC 50/60HZ, 2 x 35, F24T12HO                               | 103-4200 | LENS GASKET, 4 ft. models              |
| FX5334    | BALLAST 120-277V AC 50/60HZ, 2 x 60, F48T12HO                               | 103-4300 | REFLECTOR, 4 ft. models                |
| FX5272    | BALLAST 120-277V AC 50/60HZ, 2 x 40, FT40 2G11                              | 758-0523 | LAMP HOLDER, HO T8 & T12               |
| FX5128HDU | EMERGENCY BATTERY BACKUP BALLAST, EM1/EMT1, 120v-277v, CF, T8, T8HO & T12HO | 752-6051 | LAMP HOLDER, 2G11, 4 Pin               |
| FX5346HDU | EMERGENCY BATTERY BACKUP BALLAST, EM1/EMT1, 120v-277v, T5 & T5HO            | 754-7102 | LAMP HOLDER, T12 & T8, Bi-Pin          |
| FX3573    | LAMP, 14w, F14T5  | 754-0005 | LAMP HOLDER, T5 HO, fixed & spring set |
| FX3574    | LAMP, 28w, F28T5  |          |  |

## DIMENSIONS



| Nominal Length | Dimensions in Inches / Centimeters |              |            |            |            | Carton L x W x D inches | Nominal Weight |       |
|----------------|------------------------------------|--------------|------------|------------|------------|-------------------------|----------------|-------|
|                | A                                  | B            | C          | D          | E          |                         | Lbs            | Kg    |
| 2 Foot         | 26.0 / 66.0                        | 27.6 / 70.2  | 4.4 / 11.1 | 6.3 / 16.0 | 6.5 / 16.5 | 8¼ X 6¼ X 31⅞           | 23.0           | 10.4  |
| 4 Foot         | 50.0 / 127.0                       | 51.6 / 131.1 | 4.4 / 11.1 | 6.3 / 16.0 | 6.5 / 16.5 | 10 X 8 X 56             | 32.0           | 14.55 |

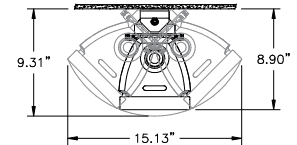
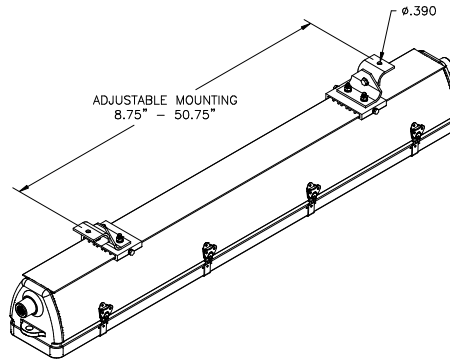
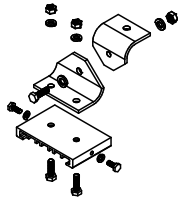
## MOUNTING OPTIONS

### DP1050MTK\*

Back mount swivel kit.

2 aluminum brackets with slide mount.

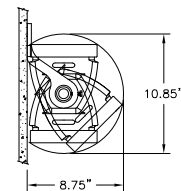
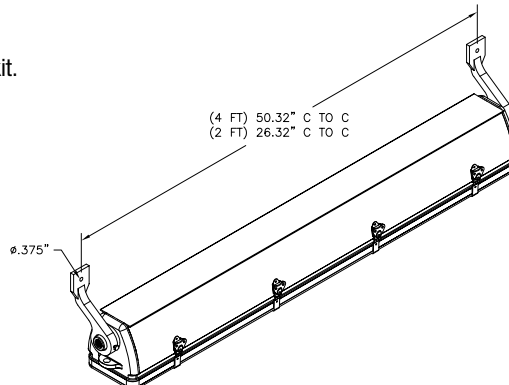
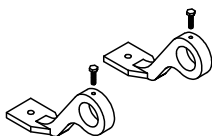
\*Add suffix PS for plated steel swivel brackets.



### DP1052MTK

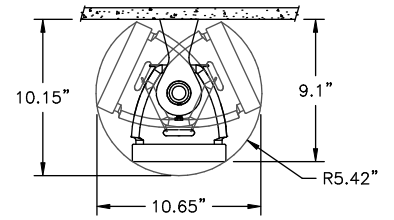
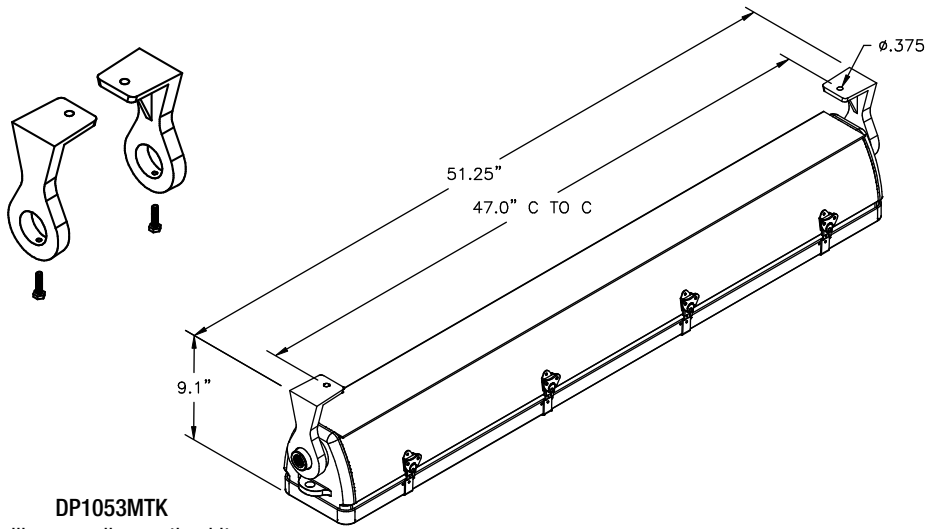
Offset wall or ceiling mounting kit.

2 cast aluminum brackets.

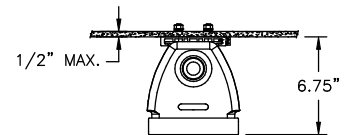
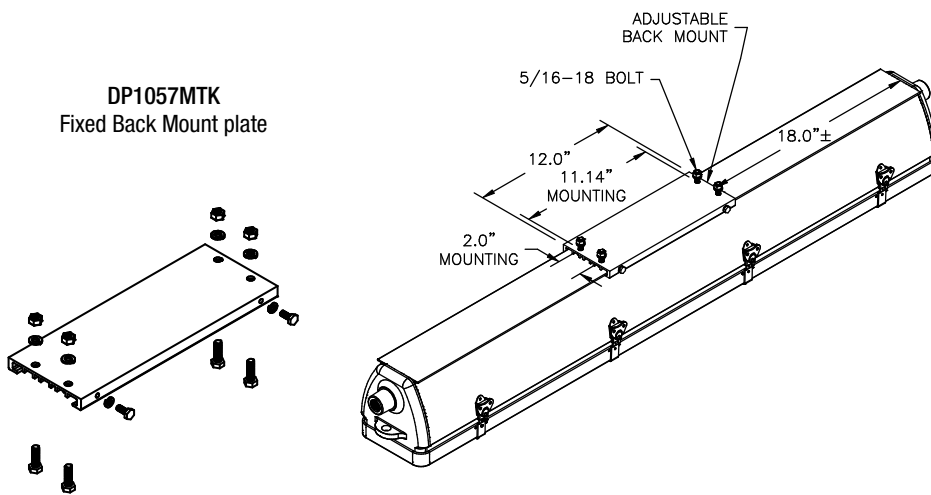


# HazMax Pinnacle/al

## MOUNTING OPTIONS



**DP1053MTK**  
Ceiling or wall mounting kit.  
2 Cast aluminum brackets.



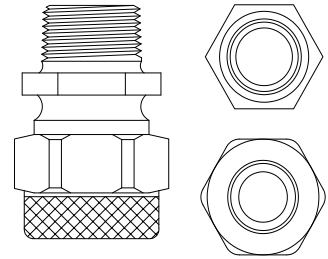
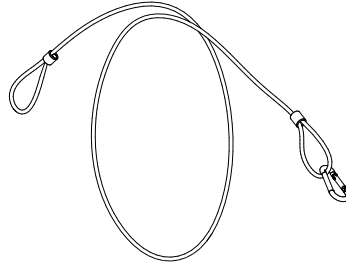
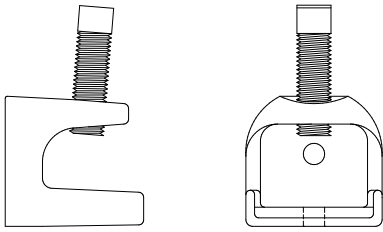
**DP1057MTK**  
Fixed Back Mount plate

## MOUNTING OPTIONS

### FX7028

#### Beam Clamp Kit

Includes Beam clamps (2), Safety Cable & Cable Gland.



### BC2K

#### 2 Beam Clamp Kit.

For use with Surface mount kit.

### SC30H

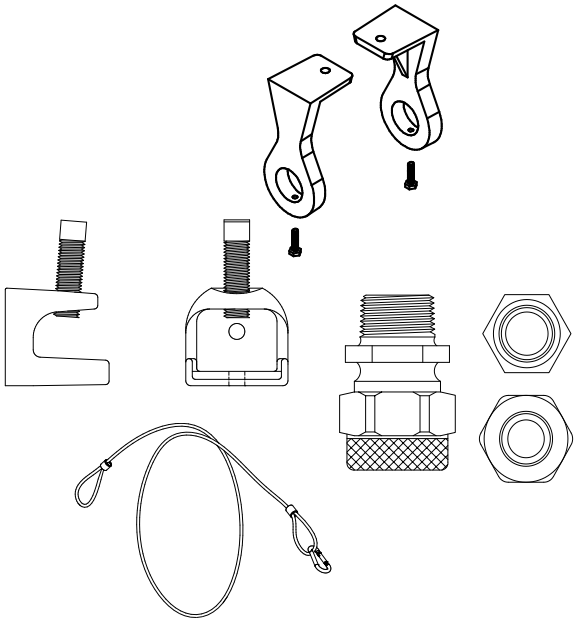
48" Safety Cable with snap hook.

### CX1502

Cable Gland 3/4" Aluminum,  
Cord Grip Range .438 - .562.

### DP-STKT

Includes FX7028 and DP1053MTK.



### DP-OFKT

Includes FX7028 and DP1052MTK.

