

## DESCRIPTION

Recessed 8 inch aperture open downlight for two horizontal 13W or 18W double twin tube compact fluorescent lamps. Fixture is suitable for commercial construction. Insulation must be kept 3" from top and sides of housing. Universal input electronic ballast with dimming and emergency options.

Catalog #		Type
Project		
Comments		Date
Prepared by		

## SPECIFICATION FEATURES

### MECHANICAL

#### Frame

Boat shaped galvanized steel frame with 1/2" plaster lip accommodates ceilings up to 2" thick. May be used for new construction or remodeling installations. Provided with (2) remodel clips to secure frame when installed from below the ceiling.

#### Mounting Brackets

Bar hanger receivers adjusts 2" vertically from above the ceiling or thru the aperture. Use with No Fuss™ bar hangers or with 1/2" EMT. Removable to facilitate installation from below the ceiling.

#### No Fuss™ Bar Hangers

Pre-installed and centered bar hanger locks to tee grid with a screwdriver or pliers. Centering marks on the bar hanger mechanism allows consistent positioning of fixtures.

### OPTICAL Reflector

Highly efficient one piece aluminum reflector provides

for equal lamp and lamp image cutoff for a visually comfortable optic. Optional cross blade louver provides sharper cutoff to lamp. Self flanged standard.

- **Specular Reflectors** - Polished flange standard with white painted flange option.
- **Baffles and White Reflector** - White painted flange standard.

#### Trim Retention

Reflector is retained with two torsion springs and held tightly to the finished ceiling surface.

### ELECTRICAL Junction Box

(6) 1/2" and (2) 3/4" trade size pry outs positioned to allow straight conduit runs. Listed for (12) #12 AWG (six in, six out) 90°C conductors and feed thru branch wiring.

#### Lamp Socket

4-pin G24q base accepts (2) 13W or 18W DTT lamps.

#### Socket Housing

Galvanized steel socket housing attached securely to reflector with captive thumbscrew. Vents

provide effective lamp thermal management.

#### Control Gear

Universal 120V - 277V UNV or 347V input electronic ballast for 13W or 18W compact fluorescent lamps.

#### Emergency Battery Pack

Optional integral 120V/277V, 60 Hz battery pack provides 90 minutes of emergency illumination. Long life maintenance free sealed nickel cadmium batteries recharge fully in 24 hours. Prewired remote test switch and indicator light.

#### Code Compliance

- Thermally protected and cULus listed for damp locations.
- IP20 rated for open trims
- NFPA Life Safety (Emergency Battery Pack)
- EMI/RFI per FCC Title 47 CFR, Part 18, non consumer limits.
- High efficacy luminaire may be used to meet IECC, ASHRAE, and Title 24 commercial standards.



**PD8H213**  
**PD8H218**  
**82H**

**(2) 13W or 18W DTT**

**Compact Fluorescent**

**8-Inch Aperture**  
**Open Downlight**

**New Construction or**  
**Remodel**  
**Non-IC**

## ENERGY DATA

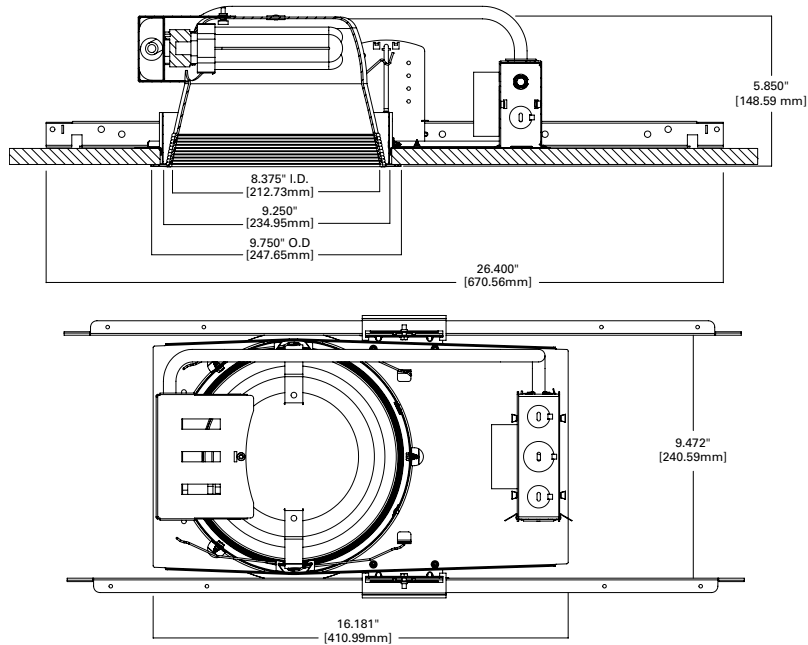
PD8H213E, PD8CPH213E	
Min. Starting Temp -5°F / -20°C	SOUND RATING CLASS A
EMI/RFI EMISSIONS FCC 47CFR PART 18 NON-CONSUMER LIMITS	
INPUT FREQUENCY 50/60 Hz	POWER FACTOR > 0.98
THD < 10%	INPUT VOLTAGE 120V - 277V ±10%
CREST FACTOR < 1.7	BALLAST FACTOR 1.00
OPERATING FREQUENCY > 40kHz	UL LISTED CLASS P, TYPE 1 OUTDOOR, CSA OR C/UL CERTIFIED
(2) CFQ13W/G24Q	INPUT POWER 29W
	INPUT CURRENT 0.25A @ 120V
	INPUT CURRENT 0.11A @ 277V

PD8H2133E	
Min. Starting Temp 0°F / -18°C	SOUND RATING CLASS A
EMI/RFI EMISSIONS FCC 47CFR PART 18 NON-CONSUMER LIMITS	
INPUT FREQUENCY 50-60Hz	POWER FACTOR > 0.98
THD < 10%	INPUT VOLTAGE 347VAC ±10%
Crest factor < 1.7	BALLAST FACTOR .98
Operating Frequency 62-72 kHz	cULUS CERTIFIED
(2) CFQ13W/G24Q	INPUT POWER 33W
	INPUT CURRENT 0.10A @ 347V

PD8H218E, PD8CPH218E	
Min. Starting Temp 0°F / -18°C	SOUND RATING CLASS A
EMI/RFI EMISSIONS FCC 47CFR PART 18 NON-CONSUMER LIMITS	
INPUT FREQUENCY 50/60 Hz	POWER FACTOR > 0.98
THD < 10%	INPUT VOLTAGE 120V - 277V ±10%
Crest factor < 1.5	Ballast factor 0.95
Operating Frequency 50-60kHz	cULus, Class P, Type 1 Outdoor, Type CC, Type HL
(2) CFQ18W/G24Q	INPUT POWER 35W
	INPUT CURRENT 0.30A @ 120V
	INPUT CURRENT 0.13A @ 277V

PD8H2183E	
Min. Starting Temp 0°F / -18°C	SOUND RATING CLASS A
EMI/RFI EMISSIONS FCC 47CFR PART 18 NON-CONSUMER LIMITS	
INPUT FREQUENCY 50-60Hz	POWER FACTOR > 0.98
THD < 10%	INPUT VOLTAGE 347VAC ±10%
Crest factor < 1.5	Ballast factor 0.98
Operating Frequency 60-70 kHz	cULUS Certified
(2) CFQ18W/G24Q	INPUT POWER 38W
	INPUT CURRENT 0.11A @ 347V

## DIMENSIONS



## ORDERING INFORMATION

### SAMPLE NUMBER: PD8H213E 82HC

Order housing, reflector and lamp separately for a complete luminaire.

<p><b>Housing</b>  <b>PD8H213</b> = 8 Inch horizontal                  (2) 13W DTT CFL  <b>PD8CPH213</b> = 8 Inch horizontal                  (2) 13W DTT CFL, CCEA listed                  (Chicago Plenum)</p>	<p><b>Ballast Option</b>  <b>E</b> = 120 - 277V 50/60Hz UNV  <b>REM</b> = 120V/277V, 60Hz with                  emergency option  <b>3E</b> = 347V 50/60Hz</p>	<p><b>Reflector</b>  <b>82H</b> = 8" horizontal</p> <p><b>Shielding Media</b>  <b>[Blank]</b> = none  <b>CB</b> = Cross blade louvers                  (blade finish matches                  reflector, not available                  with baffle)</p>	<p><b>Finish Option</b>  <b>C</b>=Specular Clear  <b>G</b>=Specular Gold  <b>H</b>=Semi Specular                  Clear  <b>W</b>=Gloss White                  (White Flange)  <b>BB</b>=Black Baffle                  (White Flange)  <b>WB</b>=White Baffle                  (White Flange)</p>	<p><b>Flange Option</b>  <b>Blank</b>=Polished                  Flange                  (C, G, H)  <b>Blank</b>=White                  Flange                  (W, BB, WB)  <b>WF</b>=White Flange                  (C, G, H)</p>	<p><b>Accessories</b>  <b>HB128APK</b> = L channel hanger bar,                  26", 'No-Fuss',                  pair (replacement)  <b>RMB22</b> = 22" long wood joist                  mounting bars</p>
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### SAMPLE NUMBER: PD8H218E 82HC

Order housing, reflector and lamp separately for a complete luminaire.

<p><b>Housing</b>  <b>PD8H218</b> = 8 Inch horizontal                  (2) 18W DTT CFL  <b>PD8CPH218</b> = 8 Inch horizontal                  (2) 18W DTT CFL, CCEA listed                  (Chicago Plenum)</p>	<p><b>Ballast Option</b>  <b>E</b> = 120 - 277V 50/60Hz UNV  <b>REM</b> = 120V/277V, 60Hz with                  emergency option  <b>3E</b> = 347V 50/60Hz  <b>1DMARKX</b> = 5% two-wire                  (18W) dimming, 120V  <b>2DMARKX</b> = 5% two-wire                  (18W) dimming, 277V</p>	<p><b>Reflector</b>  <b>82H</b> = 8" horizontal</p> <p><b>Shielding Media</b>  <b>[Blank]</b> = none  <b>CB</b> = Cross blade louvers                  (blade finish matches                  reflector, not available                  with baffle)</p>	<p><b>Finish Option</b>  <b>C</b>=Specular Clear  <b>G</b>=Specular Gold  <b>H</b>=Semi Specular                  Clear  <b>W</b>=Gloss White                  (White Flange)  <b>BB</b>=Black Baffle                  (White Flange)  <b>WB</b>=White Baffle                  (White Flange)</p>	<p><b>Flange Option</b>  <b>Blank</b>=Polished                  Flange                  (C, G, H)  <b>Blank</b>=White                  Flange                  (W, BB, WB)  <b>WF</b>=White Flange                  (C, G, H)</p>	<p><b>Accessories</b>  <b>HB128APK</b> = L channel hanger bar,                  26", 'No-Fuss',                  pair (replacement)  <b>RMB22</b> = 22" long wood joist                  mounting bars</p>
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Note: Specifications and Dimensions subject to change without notice.

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