DESCRIPTION

Recessed 6 inch aperture lens downlight for one horizontal 13W or 18W double twin tube compact fluorescent lamp. Fixture is suitable for commercial construction and wet location listed. 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
One piece aluminum reflector secures lens in place with integrated spring clips for a visually comfortable optic and allows for tool-less lens exchange from below the ceiling. Available with clear, diffuse, prismatic, fresnel, or drop opal glass lens. 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 (1) 13W or 18W DTT lamp.

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 lamp.

Emergency Battery Pack
REM – Remote emergency test switch. Housing includes 120V/277V, 60Hz dual-tap battery pack provides 90 minutes of emergency illumination. Long life maintenance free sealed nickel cadmium batteries recharge fully in 24 hours. REM configuration includes prewired and attached remote test switch plate and indicator light. REM option is the standard emergency configuration, and is compatible with all standard reflector options, ordered separately.

IEM – Integral emergency test switch. Housing includes 120V/277V, 60Hz dual-tap battery pack provides 90 minutes of emergency illumination. Long life maintenance free sealed nickel cadmium batteries recharge fully in 24 hours. IEM configuration includes a prewired integral emergency test switch and indicator light that are both accessible inside the reflector. The IEM option requires "EM" designated reflectors only, ordered separately.

Emergency Battery Pack - Average Lamp Lumen Ratings

REM option: 13W 350lm, 18W 350lm

IEM option: 13W 570lm, 18W 680lm

(Note: average lamp lumens are based upon REM and IEM manufacturer ratings. Delivered lumens depend upon trim; refer to trim photometry to factor delivered lumens).

Code Compliance
- Thermally protected and cULus listed for wet locations.
- IP44 rated for lens 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.

PD6H113
PD6H118
62H

(1) 13W or 18W DTT

Compact Fluorescent

6-Inch Aperture
Lens Downlight

New Construction or
Remodel
Non-IC

ENERGY DATA

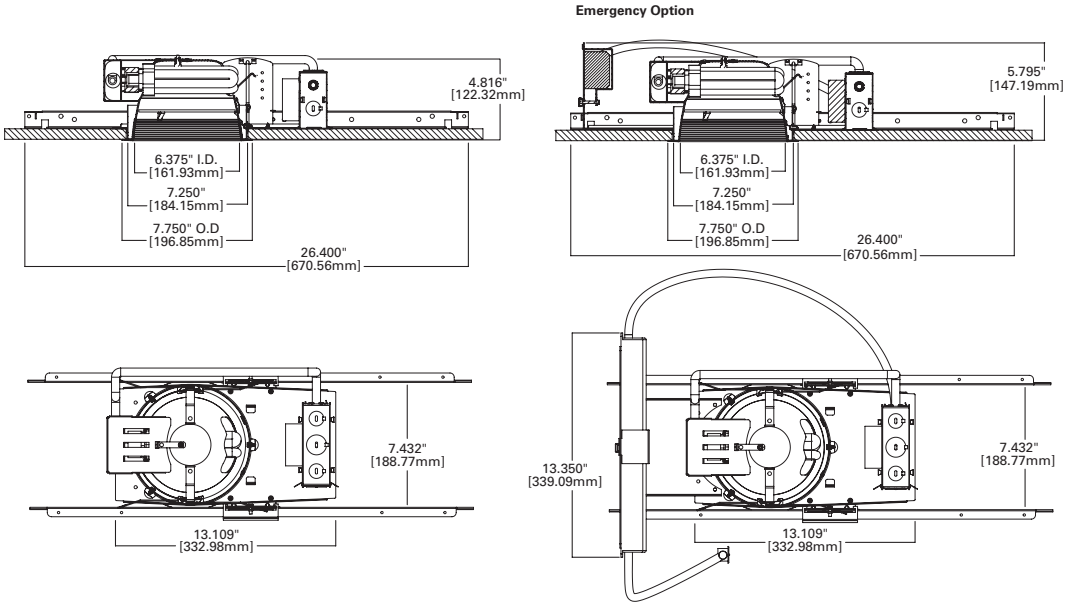
PD6H113E, PD6CPH113E	
Min. Starting Temp -5°F / -20°C	Sound Rating Class A
EMI/RFI Emissions FCC 47CFR Part 18 Non-Consumer Limits	
Input Frequency 50/60 Hz	Power Factor > 0.98
THD < 10%	Input Voltage 120V - 277V ±10%
Crest factor < 1.7	Ballast factor 1.00
Operating Frequency > 40kHz	UL Listed Class P, Type 1 Outdoor, CSA or C/UL Certified
CFQ13W/G24Q	Input Power 16W
	Input Current 0.25A @ 120V
	Input Current 0.11A @ 277V

PD6H1133E	
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 1.00
Operating Frequency 62-72 kHz	cULus Certified
CFQ13W/G24Q	Input Power 18W
	Input Current 0.06A @ 347V

PD6H118E, PD6CPH118E	
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 @ 120V
THD < 10% @ 120V	Power Factor > 0.95 @ 277V
THD < 15% @ 277V	Input Voltage 120VAC - 277VAC ±10%
Crest factor < 1.5	Ballast factor 1.00
Operating Frequency 50-60kHz	cULus, Class P, Type 1 Outdoor, Type CC, Type HL
CFQ18W/G24Q	Input Power 19W
	Input Current 0.16A @ 120V
	Input Current 0.07A @ 277V

PD6H1183E	
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 1.00
Operating Frequency 60-70 kHz	cULus Certified
CFQ18W/G24Q	Input Power 21W
	Input Current 0.06A @ 347V

DIMENSIONS



ORDERING INFORMATION

SAMPLE NUMBER: PD6H113E 62H1GC

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

Housing
PD6H113 = 6 Inch horizontal (1) 13W DTT CFL
PD6CPH113 = 6 Inch horizontal (1) 13W DTT CFL, CCEA listed (Chicago Plenum)

Reflector
62H = 6" horizontal
62HEM = 6" horizontal, Emergency (required with IEM ballast option)

Regressed Lens Option
1G=Prismatic Glass
2G=Diffuse Glass
3G=Clear Glass
4G=Fresnel Glass

Finish Option
C=Specular Clear
G=Specular Gold
H=Semi Specular Clear
W=White (White Flange)
BB=Black Baffle (White Flange)
WB=White Baffle (White Flange)

Flange Option
Blank=Polished Flange (C, G, H)
Blank=White flange (W, BB, WB)
WF=White Flange (C, G, H)

Accessories
HB128APK = L channel hanger bar, 26", 'No-Fuss', pair (replacement)
RMB22 = 22" long wood joist mounting bars

Ballast Option
E = 120V – 277V 50/60Hz UNV
REM = 120V/277V 60Hz dual-tap emergency battery ballast with remote test switch plate
3E = 347V, 50/60Hz
EDMARK7 = 5% 0-10V discrete two-wire (13W) dimming, 120-277V
EDMARK7REM = 5% 0-10V discrete two-wire (13W) dimming, 120-277V; with REM emergency option

Integral Emergency Ballast Option
IEM = 120/277V 60Hz dual-tap, Integral Emergency battery ballast with test switch through reflector*
EDMARK7IEM = 5% 0-10V discrete two-wire (13W) dimming, 120-277V; with IEM emergency option*
*Requires "EM" reflectors only, ordered separately

Polymer "Dead Front" Trim [1, 2]
1GDF=Prismatic Glass with "Dead Front" Trim
2GDF=Diffuse Glass with "Dead Front" Trim
3GDF=Clear Glass with "Dead Front" Trim
4GDF=Fresnel Glass with "Dead Front" Trim
5GDF=Drop Opal Glass with "Dead Front" Trim

Note:

1 "DF" trim option includes Specular Clear (C) reflector and white polymer flange only. No other finish or flange options apply.
2 "DF" trim option not available with "IEM" emergency.

SAMPLE NUMBER: PD6H118E 62H1GC

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

Housing
PD6H118 = 6 Inch horizontal (1) 18W DTT CFL
PD6CPH118 = 6 Inch horizontal (1) 18W DTT CFL, CCEA listed (Chicago Plenum)

Reflector
62H = 6" horizontal
62HEM = 6" horizontal, Emergency (required with IEM ballast option)

Regressed Lens Option
1G=Prismatic Glass
2G=Diffuse Glass
3G=Clear Glass
4G=Fresnel Glass

Finish Option
C=Specular Clear
G=Specular Gold
H=Semi Specular Clear
W=White (White Flange)
BB=Black Baffle (White Flange)
WB=White Baffle (White Flange)

Flange Option
Blank=Polished Flange (C, G, H)
Blank=White flange (W, BB, WB)
WF=White Flange (C, G, H)

Accessories
HB128APK = L channel hanger bar, 26", 'No-Fuss', pair (replacement)
RMB22 = 22" long wood joist mounting bars

Ballast Option
E = 120V – 277V 50/60Hz UNV
REM = 120V/277V 60Hz dual-tap emergency battery ballast with remote test switch plate
3E = 347V, 50/60Hz
1DMARKX = 5% two-wire (18W) dimming, 120V
2DMARKX = 5% two-wire (18W) dimming, 277V
EDMARK7 = 5% 0-10V discrete two-wire (18W) dimming, 120-277V
1DMARKXREM = 5% two-wire (18W) dimming, 120V; with REM emergency option
2DMARKXREM = 5% two-wire (18W) dimming, 277V; with REM emergency option
EDMARK7REM = 5% 0-10V discrete two-wire (18W) dimming, 120-277V; with REM emergency option

Integral Emergency Ballast Option
IEM = 120/277V 60Hz dual-tap, Integral Emergency battery ballast with test switch through reflector*
1DMARKXIEM = 5% two-wire (18W) dimming, 120V; with IEM emergency option*
2DMARKXIEM = 5% two-wire (18W) dimming, 277V; with IEM emergency option*
EDMARK7IEM = 5% 0-10V discrete two-wire (18W) dimming, 120-277V; with IEM emergency option*
*Requires "EM" reflectors only, ordered separately

Polymer "Dead Front" Trim [1, 2]
1GDF=Prismatic Glass with "Dead Front" Trim
2GDF=Diffuse Glass with "Dead Front" Trim
3GDF=Clear Glass with "Dead Front" Trim
4GDF=Fresnel Glass with "Dead Front" Trim
5GDF=Drop Opal Glass with "Dead Front" Trim

Note:

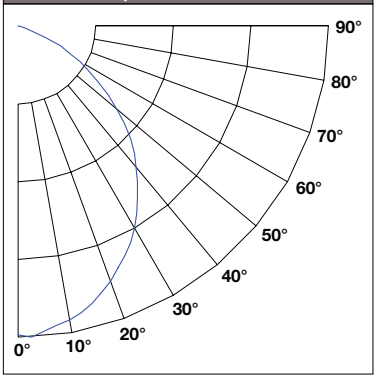
1 "DF" trim option includes Specular Clear (C) reflector and white polymer flange only. No other finish or flange options apply.
2 "DF" trim option not available with "IEM" emergency.

PHOTOMETRY

PD6H113E-62H1GC_13DTT

Spacing Criteria = 0.92
Lumens per Watt = 31 LpW
Test No. P31431
Test Model: PD6H113E-62H1GC_13DTT

Candlepower Distribution Curve



Candela Distribution	
Degrees Vertical	Candela
0*	263
5	251
15	217
25	172
35	128
45	92
55	60
65	30
75	1
85	0
90	0

*CBCP

Luminance	
(Average Candela/M²)	
Degree	Avg. 0° Luminance
45	5092
55	3781
65	2275
75	99
85	0

Cone of Light Footcandles			
Distance to Illuminated Plane	Initial Nadir Footcandles	Beam (ft.)	
		L Length	W Width
5.5'	9	5.5	6.3
7'	5	7.1	8
8'	4	8.1	9.1
9'	3	9.1	10.3
10'	3	10.1	11.4
12'	2	12.1	13.7
14'	1	14.1	16

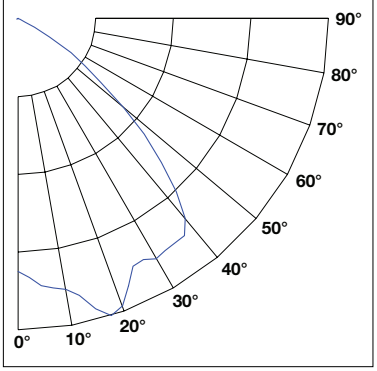
Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot.
Footcandle values are initial, apply appropriate light loss factors where necessary.

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0-30	183.35	20.40	37.80
0-40	285.81	31.80	59.00
0-60	447.17	49.70	92.20
0-90	484.77	53.90	100.00

PD6H118E-62H1GC_18DTT

Spacing Criteria = 1.18
Lumens per Watt = 32 LpW
Test No. P31196
Test Model: PD6H118E-62H1GC_18DTT

Candlepower Distribution Curve



Candela Distribution	
Degrees Vertical	Candela
0*	299
5	294
15	278
25	249
35	213
45	160
55	100
65	32
75	1
85	0
90	0

*CBCP

Luminance	
(Average Candela/M²)	
Degree	Avg. 0° Luminance
45	8855
55	6301
65	2426
75	99
85	0

Cone of Light Footcandles			
Distance to Illuminated Plane	Initial Nadir Footcandles	Beam (ft.)	
		L Length	W Width
5.5'	10	6	6.3
7'	6	7.7	8
8'	5	8.8	9.2
9'	4	9.9	10.3
10'	3	11	11.4
12'	2	13.1	13.7
14'	2	15.3	16

Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot.
Footcandle values are initial, apply appropriate light loss factors where necessary.

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0-30	211.24	17.60	36.60
0-40	336.08	28.00	58.30
0-60	538.25	44.90	93.30
0-90	576.76	48.10	100.00

DESCRIPTION

Recessed 6 inch aperture lens downlight for one horizontal 13W or 18W double twin tube compact fluorescent lamp. Fixture is suitable for commercial construction and wet location listed. 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
One piece aluminum reflector secures lens in place with integrated spring clips for a visually comfortable optic and allows for tool-less lens exchange from below the ceiling. Available with clear, diffuse, prismatic, fresnel, or drop opal glass lens. 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 (1) 13W or 18W DTT lamp.

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 lamp.

Emergency Battery Pack
REM – Remote emergency test switch. Housing includes 120V/277V, 60Hz dual-tap battery pack provides 90 minutes of emergency illumination. Long life maintenance free sealed nickel cadmium batteries recharge fully in 24 hours. REM configuration includes prewired and attached remote test switch plate and indicator light. REM option is the standard emergency configuration, and is compatible with all standard reflector options, ordered separately.

IEM – Integral emergency test switch. Housing includes 120V/277V, 60Hz dual-tap battery pack provides 90 minutes of emergency illumination. Long life maintenance free sealed nickel cadmium batteries recharge fully in 24 hours. IEM configuration includes a prewired integral emergency test switch and indicator light that are both accessible inside the reflector. The IEM option requires "EM" designated reflectors only, ordered separately.

Emergency Battery Pack - Average Lamp Lumen Ratings

REM option: 13W 350lm, 18W 350lm

IEM option: 13W 570lm, 18W 680lm

(Note: average lamp lumens are based upon REM and IEM manufacturer ratings. Delivered lumens depend upon trim; refer to trim photometry to factor delivered lumens).

Code Compliance
- Thermally protected and cULus listed for wet locations.
- IP44 rated for lens 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.

PD6H113
PD6H118
62H

(1) 13W or 18W DTT

Compact Fluorescent

6-Inch Aperture
Lens Downlight

New Construction or
Remodel
Non-IC

ENERGY DATA

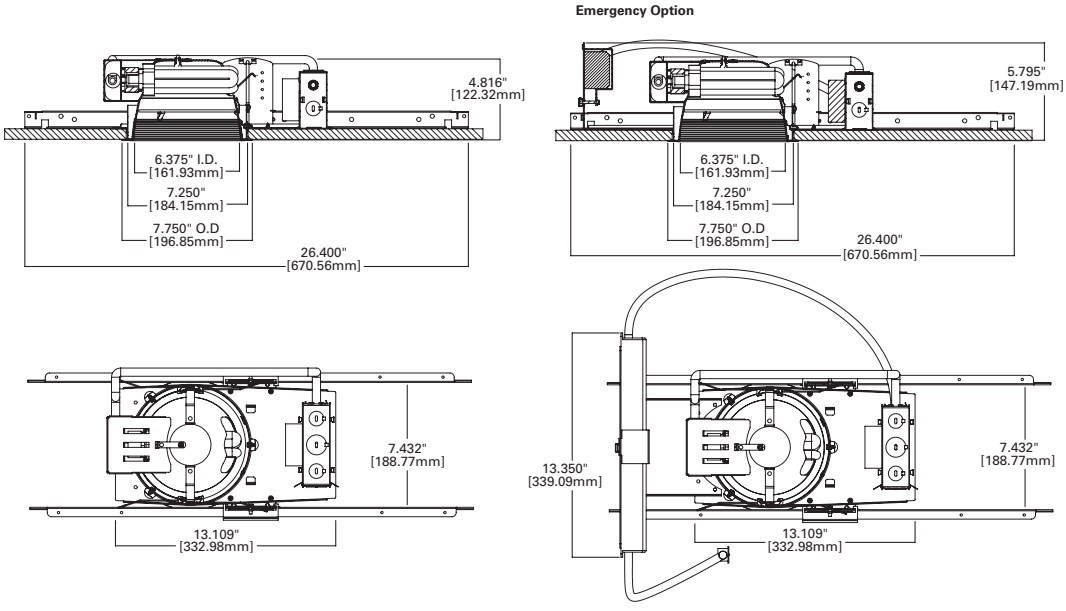
PD6H113E, PD6CPH113E	
Min. Starting Temp -5°F / -20°C	Sound Rating Class A
EMI/RFI Emissions FCC 47CFR Part 18 Non-Consumer Limits	
Input Frequency 50/60 Hz	Power Factor > 0.98
THD < 10%	Input Voltage 120V - 277V ±10%
Crest factor < 1.7	Ballast factor 1.00
Operating Frequency > 40kHz	UL Listed Class P, Type 1 Outdoor, CSA or C/UL Certified
CFQ13W/G24Q	Input Power 16W
	Input Current 0.25A @ 120V
	Input Current 0.11A @ 277V

PD6H1133E	
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 1.00
Operating Frequency 62-72 kHz	cULus Certified
CFQ13W/G24Q	Input Power 18W
	Input Current 0.06A @ 347V

PD6H118E, PD6CPH118E	
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 @ 120V
THD < 10% @ 120V	Power Factor > 0.95 @ 277V
THD < 15% @ 277V	Input Voltage 120VAC - 277VAC ±10%
Crest factor < 1.5	Ballast factor 1.00
Operating Frequency 50-60kHz	cULus, Class P, Type 1 Outdoor, Type CC, Type HL
CFQ18W/G24Q	Input Power 19W
	Input Current 0.16A @ 120V
	Input Current 0.07A @ 277V

PD6H1183E	
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 1.00
Operating Frequency 60-70 kHz	cULus Certified
CFQ18W/G24Q	Input Power 21W
	Input Current 0.06A @ 347V

DIMENSIONS



ORDERING INFORMATION

SAMPLE NUMBER: PD6H113E 62H1GC

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

Housing
PD6H113 = 6 Inch horizontal (1) 13W DTT CFL
PD6CPH113 = 6 Inch horizontal (1) 13W DTT CFL, CCEA listed (Chicago Plenum)

Reflector
62H = 6" horizontal
62HEM = 6" horizontal, Emergency (required with IEM ballast option)

Regressed Lens Option
1G=Prismatic Glass
2G=Diffuse Glass
3G=Clear Glass
4G=Fresnel Glass

Finish Option
C=Specular Clear
G=Specular Gold
H=Semi Specular Clear
W=White (White Flange)
BB=Black Baffle (White Flange)
WB=White Baffle (White Flange)

Flange Option
Blank=Polished Flange (C, G, H)
Blank=White flange (W, BB, WB)
WF=White Flange (C, G, H)

Accessories
HB128APK = L channel hanger bar, 26", 'No-Fuss', pair (replacement)
RMB22 = 22" long wood joist mounting bars

Ballast Option
E = 120V – 277V 50/60Hz UNV
REM = 120V/277V 60Hz dual-tap emergency battery ballast with remote test switch plate
3E = 347V, 50/60Hz
EDMARK7 = 5% 0-10V discrete two-wire (13W) dimming, 120-277V
EDMARK7REM = 5% 0-10V discrete two-wire (13W) dimming, 120-277V; with REM emergency option

Integral Emergency Ballast Option
IEM = 120/277V 60Hz dual-tap, Integral Emergency battery ballast with test switch through reflector*
EDMARK7IEM = 5% 0-10V discrete two-wire (13W) dimming, 120-277V; with IEM emergency option*
*Requires "EM" reflectors only, ordered separately

Polymer "Dead Front" Trim [1, 2]
1GDF=Prismatic Glass with "Dead Front" Trim
2GDF=Diffuse Glass with "Dead Front" Trim
3GDF=Clear Glass with "Dead Front" Trim
4GDF=Fresnel Glass with "Dead Front" Trim
5GDF=Drop Opal Glass with "Dead Front" Trim

Note:

1 "DF" trim option includes Specular Clear (C) reflector and white polymer flange only. No other finish or flange options apply.
2 "DF" trim option not available with "IEM" emergency.

SAMPLE NUMBER: PD6H118E 62H1GC

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

Housing
PD6H118 = 6 Inch horizontal (1) 18W DTT CFL
PD6CPH118 = 6 Inch horizontal (1) 18W DTT CFL, CCEA listed (Chicago Plenum)

Reflector
62H = 6" horizontal
62HEM = 6" horizontal, Emergency (required with IEM ballast option)

Regressed Lens Option
1G=Prismatic Glass
2G=Diffuse Glass
3G=Clear Glass
4G=Fresnel Glass

Finish Option
C=Specular Clear
G=Specular Gold
H=Semi Specular Clear
W=White (White Flange)
BB=Black Baffle (White Flange)
WB=White Baffle (White Flange)

Flange Option
Blank=Polished Flange (C, G, H)
Blank=White flange (W, BB, WB)
WF=White Flange (C, G, H)

Accessories
HB128APK = L channel hanger bar, 26", 'No-Fuss', pair (replacement)
RMB22 = 22" long wood joist mounting bars

Ballast Option
E = 120V – 277V 50/60Hz UNV
REM = 120V/277V 60Hz dual-tap emergency battery ballast with remote test switch plate
3E = 347V, 50/60Hz
1DMARKX = 5% two-wire (18W) dimming, 120V
2DMARKX = 5% two-wire (18W) dimming, 277V
EDMARK7 = 5% 0-10V discrete two-wire (18W) dimming, 120-277V
1DMARKXREM = 5% two-wire (18W) dimming, 120V; with REM emergency option
2DMARKXREM = 5% two-wire (18W) dimming, 277V; with REM emergency option
EDMARK7REM = 5% 0-10V discrete two-wire (18W) dimming, 120-277V; with REM emergency option

Integral Emergency Ballast Option
IEM = 120/277V 60Hz dual-tap, Integral Emergency battery ballast with test switch through reflector*
1DMARKXIEM = 5% two-wire (18W) dimming, 120V; with IEM emergency option*
2DMARKXIEM = 5% two-wire (18W) dimming, 277V; with IEM emergency option*
EDMARK7IEM = 5% 0-10V discrete two-wire (18W) dimming, 120-277V; with IEM emergency option*
*Requires "EM" reflectors only, ordered separately

Polymer "Dead Front" Trim [1, 2]
1GDF=Prismatic Glass with "Dead Front" Trim
2GDF=Diffuse Glass with "Dead Front" Trim
3GDF=Clear Glass with "Dead Front" Trim
4GDF=Fresnel Glass with "Dead Front" Trim
5GDF=Drop Opal Glass with "Dead Front" Trim

Note:

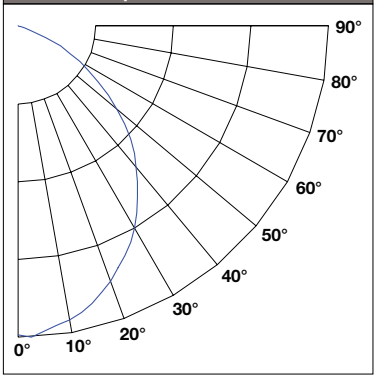
1 "DF" trim option includes Specular Clear (C) reflector and white polymer flange only. No other finish or flange options apply.
2 "DF" trim option not available with "IEM" emergency.

PHOTOMETRY

PD6H113E-62H1GC_13DTT

Spacing Criteria = 0.92
Lumens per Watt = 31 LpW
Test No. P31431
Test Model: PD6H113E-62H1GC_13DTT

Candlepower Distribution Curve



Candela Distribution	
Degrees Vertical	Candela
0*	263
5	251
15	217
25	172
35	128
45	92
55	60
65	30
75	1
85	0
90	0

*CBCP

Luminance	
(Average Candela/M²)	
Degree	Avg. 0° Luminance
45	5092
55	3781
65	2275
75	99
85	0

Cone of Light Footcandles			
Distance to Illuminated Plane	Initial Nadir Footcandles	Beam (ft.)	
		L Length	W Width
5.5'	9	5.5	6.3
7'	5	7.1	8
8'	4	8.1	9.1
9'	3	9.1	10.3
10'	3	10.1	11.4
12'	2	12.1	13.7
14'	1	14.1	16

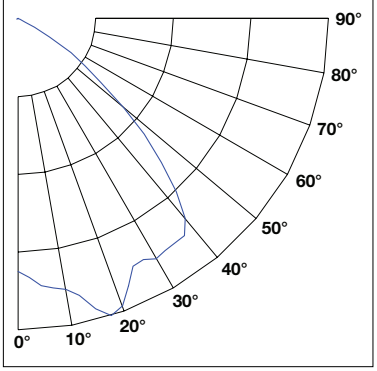
Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot.
Footcandle values are initial, apply appropriate light loss factors where necessary.

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0-30	183.35	20.40	37.80
0-40	285.81	31.80	59.00
0-60	447.17	49.70	92.20
0-90	484.77	53.90	100.00

PD6H118E-62H1GC_18DTT

Spacing Criteria = 1.18
Lumens per Watt = 32 LpW
Test No. P31196
Test Model: PD6H118E-62H1GC_18DTT

Candlepower Distribution Curve



Candela Distribution	
Degrees Vertical	Candela
0*	299
5	294
15	278
25	249
35	213
45	160
55	100
65	32
75	1
85	0
90	0

*CBCP

Luminance	
(Average Candela/M²)	
Degree	Avg. 0° Luminance
45	8855
55	6301
65	2426
75	99
85	0

Cone of Light Footcandles			
Distance to Illuminated Plane	Initial Nadir Footcandles	Beam (ft.)	
		L Length	W Width
5.5'	10	6	6.3
7'	6	7.7	8
8'	5	8.8	9.2
9'	4	9.9	10.3
10'	3	11	11.4
12'	2	13.1	13.7
14'	2	15.3	16

Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot.
Footcandle values are initial, apply appropriate light loss factors where necessary.

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0-30	211.24	17.60	36.60
0-40	336.08	28.00	58.30
0-60	538.25	44.90	93.30
0-90	576.76	48.10	100.00