

DESCRIPTION

Recessed 6-inch LED shallow lens downlight is available in various distributions, lumen and CRI/CCT options. Suitable for shallow commercial construction and can be used for both new or renovation work. Insulation must be kept 3" from top and sides of housing. Use for general area lighting where high efficiency and visual comfort are required.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

MECHANICAL

Frame

Boat shaped galvanized steel frame with adjustable plaster lip accommodates ceilings up to 1/2" - 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 adjust 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

Captive preinstalled bar hanger locks to tee grid with a screwdriver or pliers. Centering mechanism allows consistent positioning of fixtures.

OPTICAL

LED Module

Proximity phosphors over chip on board LEDs provide a uniform source with high efficiency and no pixilation. Available in 80 or 90 CRI minimum, accuracy within 3 SDCM provides color uniformity. See ordering information for available CRI / CCT options. Passive thermal management achieves L70 at 50,000 hours in non IC applications. Integral diffuse lens provides visual shielding. Integral connector allows quick connection to housing flex.

Beam Forming Optics

Optional beam forming optics replace diffuse lens and provide narrow flood or flood distribution for long throws of light.

Reflector

One piece parabolic aluminum reflector combines high optical efficiency with visual comfort. Attaches to LED module with (3) speed clamps minimizing light leaks to lens. Self-flanged standard with an optional white painted flange.

Trim Retention

Reflectors are retained with two torsion springs holding the flange 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.

Driver

Integral UNV 120 - 277V 50/60 Hz constant current driver provides noise free operation. For 347V input use Halo transformer H347 or H347200. Continuous, flicker-free dimming from 100% to 10% with leading or trailing edge phase cut at 120V or 0 -10V analog control.

Emergency Option

Provides 90 minutes of standby lighting meeting most life safety codes for egress lighting. Available with remote charge indicator and test switch.

Compliance

- cULus listed for wet location
- cCSAus listed for wet location
- IP66 Ingress Protection Rated
- Certified for wet locations, insulation must be kept 3" from top and sides.
- Airtight per ASTM-E283.
- Optional City of Chicago environmental air (CCEA) marking for plenum applications.
- EMI/RFI emissions per FCC 47CFR Part 18 non-consumer limits.
- Contains no mercury or lead and RoHS compliant.
- Photometric testing in accordance with IES LM-79-08.
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11.
- Can be used to comply with California Title 24 Non-Residential Lighting Controls requirements as a LED Luminaire.
- ENERGY STAR® listed for commercial applications, reference database for current listings.



PD610
PD615
PD620
PD630

PDM6A

64V

1000, 1500,
2000 & 3000
Lumen Series

LED
6-Inch Aperture
Shallow Lens
Downlight

THD: ≤ 20%
PF: ≥ 0.90
T Ambient -30 - +40°C
Sound Rating ≤ 22dba

Lumens	1000 Series	
Input Voltage	120V	277V
Input Current	.103 A	.058 A
Input Power	12.1 W	13.2 W
Efficiency	95 LPW	95 LPW
Inrush Current	.048 A	.080 A

Lumens	1500 Series	
Input Voltage	120V	277V
Input Current	.146 A	.1 A
Input Power	17.1 W	17.9 W
Efficiency	87 LPW	87 LPW
Inrush Current	1.920 A	0.960 A

Lumens	2000 Series	
Input Voltage	120V	277V
Input Current	.175 A	.536 A
Input Power	20.78 W	21.06 W
Efficiency	96 LPW	96 LPW
Inrush Current	.064 A	.128 A

Lumens	3000 Series	
Input Voltage	120V	277V
Input Current	.299 A	.145 A
Input Power	35.72 W	36.4 W
Efficiency	89 LPW	89 LPW
Inrush Current	.096 A	.928 A

ORDERING INFORMATION

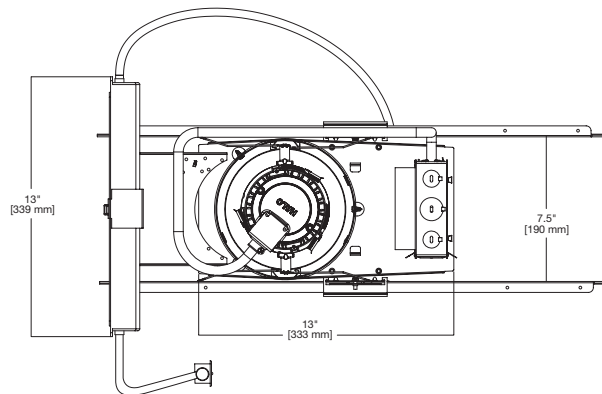
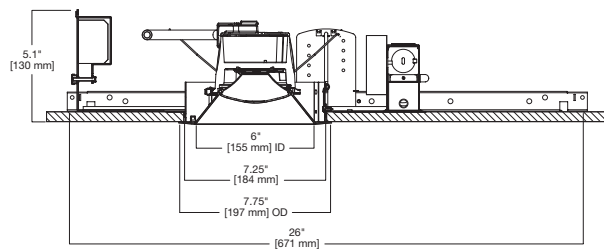
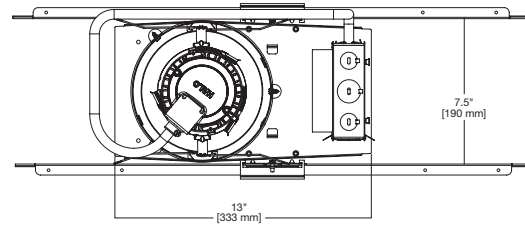
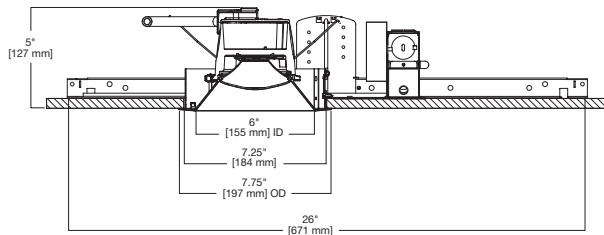
SAMPLE NUMBER: PD610ED010REM-PDM6A827-64VC

A complete luminaire consists of a housing, LED module and reflector, order separately.

Housing	Lumens	Driver	Options	LED Module	CRI/CCT
PD6 = 6" aperture LED downlight PD6CP = 6" aperture LED downlight, CCEA listed for City of Chicago plenum requirements	10 = 1,000 lumens (nominal) 15 = 1,500 lumens (nominal) 20 = 2,000 lumens (nominal)	ED010 = 120-277V 50/60Hz, 0-10V and LE/TE phase cut dimming	REM = Emergency operation with remote indicator and test switch (not available with PD6CP housing)	PDM6A = Downlight LED module for PD6 housing, provides 1,000, 1,500, 2,000, or 3,000 lumens (nominal) depending on connected housing type	827 = 80 CRI, 2700K CCT 927 = 90 CRI, 2700K CCT 830 = 80 CRI, 3000K CCT 930 = 90 CRI, 3000K CCT 835 = 80 CRI, 3500K CCT 935 = 90 CRI, 3500K CCT 840 = 80 CRI, 4000K CCT 940 = 90 CRI, 4000K CCT
	30 = 3,000 lumens (nominal)	D010 = 120-277V 50/60Hz, 0-10V dimming (3,000 lumen only)			

Reflector	Finish Option	Flange Option	Accessories
64V = 6" shallow parabolic reflector	C = Specular clear G = Specular gold H = Semi-specular clear W = White (white flange)	Blank = Polished flange standard with C, G, & H reflector finishes Blank = White flange standard with W WF = White flange option available with C, G, & H reflector finishes	HB128APK = L channel hanger bar, 26", 'No-Fuss', pair (replacement) RMB22 = 22" long wood joist mounting bars, pair BFR56NFL = Beam forming reflector kit, narrow flood distribution BFR56FL = Beam forming reflector kit, flood distribution BFR56MH = Media holder, accepts one 3.45" lens L345SF = 3.45" diameter soft focus lens H347 = Step down transformer for 347V input, 75VA max H347200 = Step down transformer for 347V input, 200VA max

DIMENSIONS



COMPLIANCE TABLE

1000 LUMEN

80 CRI																
Catalog #	PD610ED010- PDM6A827				PD610ED010- PDM6A830				PD610ED010- PDM6A835				PD610ED010- PDM6A840			
	LUMENS	LPW	ES	T24	LUMENS	LPW	ES	T24	LUMENS	LPW	ES	T24	LUMENS	LPW	ES	T24
64VC	1111	83	ES	T24	1194	89	ES	T24	1267	95	ES	T24	1277	95	ES	T24
64VCWF	1090	81	ES	T24	1172	87	ES	T24	1243	93	ES	T24	1254	94	ES	T24
64VG	1092	81	ES	T24	1173	88	ES	T24	1245	93	ES	T24	1256	94	ES	T24
64VGWF	1079	80	ES	T24	1159	87	ES	T24	1230	92	ES	T24	1241	93	ES	T24
64VH	1069	80	ES	T24	1149	86	ES	T24	1219	91	ES	T24	1229	92	ES	T24
64VHWF	1063	79	ES	T24	1143	85	ES	T24	1213	90	ES	T24	1223	91	ES	T24
64VW	1110	83	ES	T24	1193	89	ES	T24	1266	94	ES	T24	1277	95	ES	T24

90 CRI																
Catalog #	PD610ED010- PDM6A927				PD610ED010- PDM6A930				PD610ED010- PDM6A935				PD610ED010- PDM6A940			
	LUMENS	LPW	ES	T24	LUMENS	LPW	ES	T24	LUMENS	LPW	ES	T24	LUMENS	LPW	ES	T24
64VC	856	64	ES	T24	918	69	ES	T24	987	74	ES	T24	1094	82	ES	T24
64VCWF	840	63	ES	T24	901	67	ES	T24	969	72	ES	T24	1074	80	ES	T24
64VG	841	63	ES	T24	902	67	ES	T24	970	72	ES	T24	1075	80	ES	T24
64VGWF	831	62	ES	T24	891	67	ES	T24	959	72	ES	T24	1063	79	ES	T24
64VH	824	61	ES	T24	883	66	ES	T24	950	71	ES	T24	1053	79	ES	T24
64VHWF	819	61	ES	T24	879	66	ES	T24	945	71	ES	T24	1048	78	ES	T24
64VW	855	64	ES	T24	917	68	ES	T24	987	74	ES	T24	1094	82	ES	T24

1500 LUMEN

80 CRI																
Catalog #	PD615ED010- PDM6A827				PD615ED010- PDM6A830				PD615ED010- PDM6A835				PD615ED010- PDM6A840			
	LUMENS	LPW	ES	T24	LUMENS	LPW	ES	T24	LUMENS	LPW	ES	T24	LUMENS	LPW	ES	T24
64VC	1525	82	ES	T24	1639	89	ES	T24	1739	94	ES	T24	1754	95	ES	T24
64VCWF	1497	81	ES	T24	1609	87	ES	T24	1707	92	ES	T24	1721	93	ES	T24
64VG	1499	81	ES	T24	1611	87	ES	T24	1709	92	ES	T24	1724	93	ES	T24
64VGWF	1481	80	ES	T24	1592	86	ES	T24	1689	91	ES	T24	1703	92	ES	T24
64VH	1467	79	ES	T24	1577	85	ES	T24	1673	90	ES	T24	1688	91	ES	T24
64VHWF	1460	79	ES	T24	1569	85	ES	T24	1665	90	ES	T24	1679	91	ES	T24
64VW	1524	82	ES	T24	1638	89	ES	T24	1738	94	ES	T24	1753	95	ES	T24

90 CRI																
Catalog #	PD615ED010- PDM6A927				PD615ED010- PDM6A930				PD615ED010- PDM6A935				PD615ED010- PDM6A940			
	LUMENS	LPW	ES	T24	LUMENS	LPW	ES	T24	LUMENS	LPW	ES	T24	LUMENS	LPW	ES	T24
64VC	1175	64	ES	T24	1260	68	ES	T24	1356	73	ES	T24	1502	81	ES	T24
64VCWF	1153	62	ES	T24	1237	67	ES	T24	1331	72	ES	T24	1475	80	ES	T24
64VG	1155	62	ES	T24	1239	67	ES	T24	1332	72	ES	T24	1477	80	ES	T24
64VGWF	1141	62	ES	T24	1224	66	ES	T24	1317	71	ES	T24	1459	79	ES	T24
64VH	1131	61	ES	T24	1213	66	ES	T24	1304	71	ES	T24	1446	78	ES	T24
64VHWF	1125	61	ES	T24	1207	65	ES	T24	1298	70	ES	T24	1438	78	ES	T24
64VW	1174	63	ES	T24	1259	68	ES	T24	1355	73	ES	T24	1501	81	ES	T24

ES

ES = ENERGY STAR® Compliant

T24

T24 = Can be used to comply with California Title 24 Non-Residential

COMPLIANCE TABLE continued

2000 LUMEN

80 CRI																
Catalog #	PD620ED010- PDM6A827				PD620ED010- PDM6A830				PD620ED010- PDM6A835				PD620ED010- PDM6A840			
	LUMENS	LPW	ES	T24	LUMENS	LPW	ES	T24	LUMENS	LPW	ES	T24	LUMENS	LPW	ES	T24
64VC	1855	84	ES	T24	1994	91	ES	T24	2116	96	ES	T24	2134	97	ES	T24
64VCWF	1821	83	ES	T24	1957	89	ES	T24	2076	94	ES	T24	2094	95	ES	T24
64VG	1823	83	ES	T24	1960	89	ES	T24	2079	95	ES	T24	2097	95	ES	T24
64VGWF	1802	82	ES	T24	1936	88	ES	T24	2054	93	ES	T24	2072	94	ES	T24
64VH	1785	81	ES	T24	1918	87	ES	T24	2036	93	ES	T24	2053	93	ES	T24
64VHWF	1776	81	ES	T24	1909	87	ES	T24	2025	92	ES	T24	2043	93	ES	T24
64VW	1854	84	ES	T24	1992	91	ES	T24	2114	96	ES	T24	2132	97	ES	T24

90 CRI																
Catalog #	PD620ED010- PDM6A927				PD620ED010- PDM6A930				PD620ED010- PDM6A935				PD620ED010- PDM6A940			
	LUMENS	LPW	ES	T24	LUMENS	LPW	ES	T24	LUMENS	LPW	ES	T24	LUMENS	LPW	ES	T24
64VC	1430	65	ES	T24	1533	70	ES	T24	1649	75	ES	T24	1828	83	ES	T24
64VCWF	1403	64	ES	T24	1505	68	ES	T24	1619	74	ES	T24	1794	82	ES	T24
64VG	1405	64	ES	T24	1507	68	ES	T24	1621	74	ES	T24	1796	82	ES	T24
64VGWF	1388	63	ES	T24	1489	68	ES	T24	1602	73	ES	T24	1775	81	ES	T24
64VH	1376	63	ES	T24	1475	67	ES	T24	1587	72	ES	T24	1759	80	ES	T24
64VHWF	1369	62	ES	T24	1468	67	ES	T24	1579	72	ES	T24	1750	80	ES	T24
64VW	1429	65	ES	T24	1532	70	ES	T24	1648	75	ES	T24	1827	83	ES	T24

3000 LUMEN

80 CRI																
Catalog #	PD630D010- PDM6A827				PD630D010- PDM6A830				PD630D010- PDM6A835				PD630D010- PDM6A840			
	LUMENS	LPW	ES	T24	LUMENS	LPW	ES	T24	LUMENS	LPW	ES	T24	LUMENS	LPW	ES	T24
64VC	2772	78	ES	T24	2979	83	ES	T24	3161	89	ES	T24	3189	89	ES	T24
64VCWF	2721	76	ES	T24	2924	82	ES	T24	3103	87	ES	T24	3129	88	ES	T24
64VG	2724	76	ES	T24	2928	82	ES	T24	3107	87	ES	T24	3134	88	ES	T24
64VGWF	2692	75	ES	T24	2893	81	ES	T24	3070	86	ES	T24	3096	87	ES	T24
64VH	2667	75	ES	T24	2867	80	ES	T24	3042	85	ES	T24	3068	86	ES	T24
64VHWF	2654	74	ES	T24	2852	80	ES	T24	3027	85	ES	T24	3053	86	ES	T24
64VW	2770	78	ES	T24	2977	83	ES	T24	3159	88	ES	T24	3186	89	ES	T24

90 CRI																
Catalog #	PD630D010- PDM6A927				PD630D010- PDM6A930				PD630D010- PDM6A935				PD630D010- PDM6A940			
	LUMENS	LPW	ES	T24	LUMENS	LPW	ES	T24	LUMENS	LPW	ES	T24	LUMENS	LPW	ES	T24
64VC	2136	60	ES	T24	2291	64	ES	T24	2464	69	ES	T24	2731	77	ES	T24
64VCWF	2097	59	ES	T24	2249	63	ES	T24	2419	68	ES	T24	2681	75	ES	T24
64VG	2100	59	ES	T24	2252	63	ES	T24	2422	68	ES	T24	2684	75	ES	T24
64VGWF	2075	58	ES	T24	2225	62	ES	T24	2393	67	ES	T24	2652	74	ES	T24
64VH	2056	58	ES	T24	2204	62	ES	T24	2371	66	ES	T24	2628	74	ES	T24
64VHWF	2045	57	ES	T24	2193	61	ES	T24	2359	66	ES	T24	2615	73	ES	T24
64VW	2135	60	ES	T24	2290	64	ES	T24	2463	69	ES	T24	2729	76	ES	T24

ES

ES = ENERGY STAR® Compliant

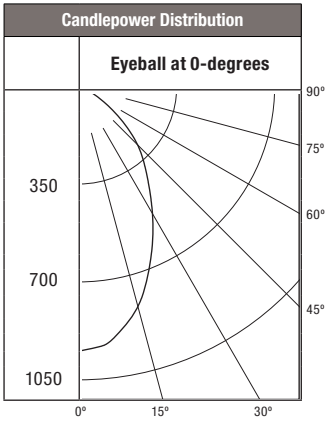
T24

T24 = Can be used to comply with California Title 24 Non-Residential

PHOTOMETRY - 1000 lumen / 80 CRI

PD610ED010- PDM6A835-64VC

Spacing Criteria = 0.92
Lumens per Watt = 104.7 Lm/W
Test No. P137469
Test Model: PD610ED010- PDM6A835-64VC



Candela Distribution	
Degrees Vertical	Candela
0*	947
5	933
10	883
20	720
30	526
40	364
50	218
60	78
70	6
80	0
90	0

*CBCP

Luminance	
(Average Candela/M²)	
Degree	Avg. 0° Luminance
45	23033
55	13486
65	4410
75	0
85	0

Cone of Light Footcandles			
Distance to Illuminated Plane	Initial Nadir Footcandles	Beam (ft.)	
		L Length	W Width
5.5	31.3	5	5
7	19.3	6.4	6.4
8	14.8	7.2	7.2
9	11.7	8.2	8.2
10	9.5	9	9
12	6.6	10.8	10.8

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	% Fixture
0-30	600	47.4
0-40	875	69.1
0-60	1229	97.1
0-90	1267	100

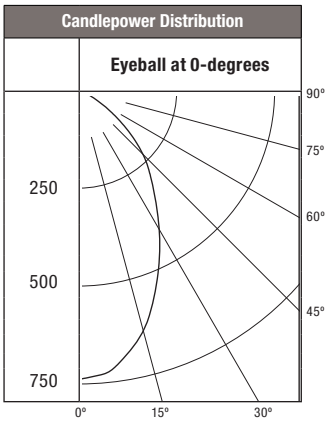
Scaling factor for the Battery back up:

- 1000 Lumen = 0.55
- 1500 Lumen = 0.40
- 2000 Lumen = 0.33
- 3000 Lumen = 0.22

PHOTOMETRY - 1000 lumen / 90 CRI

PD610ED010- PDM6A935-64VC

Spacing Criteria = 0.92
Lumens per Watt = 81.6 Lm/W
Test No. P137473
Test Model: PD610ED010- PDM6A935-64VC



Candela Distribution	
Degrees Vertical	Candela
0*	738
5	727
10	689
20	562
30	410
40	284
50	170
60	61
70	5
80	0
90	0

*CBCP

Luminance	
(Average Candela/M²)	
Degree	Avg. 0° Luminance
45	17955
55	10513
65	3437
75	0
85	0

Cone of Light Footcandles			
Distance to Illuminated Plane	Initial Nadir Footcandles	Beam (ft.)	
		L Length	W Width
5.5	24.4	5	5
7	15.1	6.4	6.4
8	11.5	7.2	7.2
9	9.1	8.2	8.2
10	7.4	9	9
12	5.1	10.8	10.8

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	% Fixture
0-30	468	47.4
0-40	682	69.1
0-60	958	97.1
0-90	987	100

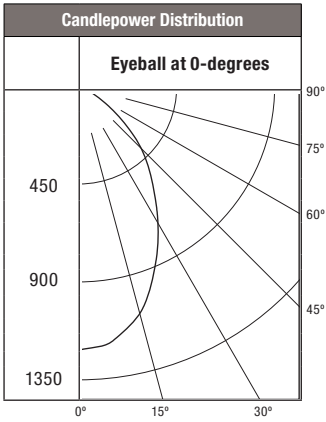
Scaling factor for the Battery back up:

- 1000 Lumen = 0.55
- 1500 Lumen = 0.40
- 2000 Lumen = 0.33
- 3000 Lumen = 0.22

PHOTOMETRY - 1500 lumen / 80 CRI

PD615ED010- PDM6A835-64VG

Spacing Criteria = 0.97
Lumens per Watt = 92.4 Lm/W
Test No. P167114
Test Model: PD615ED010- PDM6A835-64VG



Scaling factor for the Battery back up:

- 1000 Lumen = 0.55
- 1500 Lumen = 0.40
- 2000 Lumen = 0.33
- 3000 Lumen = 0.22

Candela Distribution	
Degrees Vertical	Candela
0*	1212
5	1200
10	1152
20	972
30	727
40	505
50	292
60	100
70	6
80	0
90	0

*CBCP

Luminance	
(Average Candela/M ²)	
Degree	Avg. 0° Luminance
45	31422
55	17710
65	5279
75	0
85	0

Cone of Light Footcandles			
Distance to Illuminated Plane	Initial Nadir Footcandles	Beam (ft.)	
		L Length	W Width
5.5	40.1	5.2	5.2
7	24.7	6.6	6.6
8	18.9	7.6	7.6
9	15	8.6	8.6
10	12.1	9.6	9.6
12	8.4	11.6	11.6

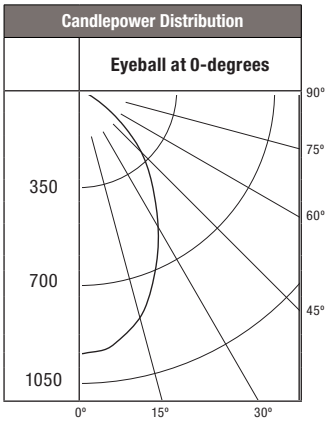
Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot. Footcandle values are initial, apply appropriate light loss factors where necessary.

Zonal Lumen Summary		
Zone	Lumens	% Fixture
0-30	805	47.1
0-40	1186	69.4
0-60	1664	97.3
0-90	1709	100

PHOTOMETRY - 1500 lumen / 90 CRI

PD615ED010- PDM6A935-64VG

Spacing Criteria = 0.97
Lumens per Watt = 72 Lm/W
Test No. P167118
Test Model: PD615ED010- PDM6A935-64VG



Scaling factor for the Battery back up:

- 1000 Lumen = 0.55
- 1500 Lumen = 0.40
- 2000 Lumen = 0.33
- 3000 Lumen = 0.22

Candela Distribution	
Degrees Vertical	Candela
0*	945
5	936
10	898
20	758
30	567
40	393
50	227
60	78
70	5
80	0
90	0

*CBCP

Luminance	
(Average Candela/M ²)	
Degree	Avg. 0° Luminance
45	24499
55	13811
65	4112
75	0
85	0

Cone of Light Footcandles			
Distance to Illuminated Plane	Initial Nadir Footcandles	Beam (ft.)	
		L Length	W Width
5.5	31.2	5.2	5.2
7	19.3	6.6	6.6
8	14.8	7.6	7.6
9	11.7	8.6	8.6
10	9.5	9.6	9.6
12	6.6	11.6	11.6

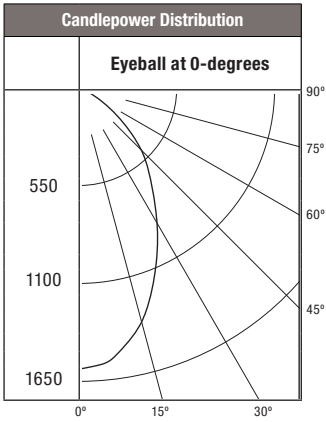
Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot. Footcandle values are initial, apply appropriate light loss factors where necessary.

Zonal Lumen Summary		
Zone	Lumens	% Fixture
0-30	627	47.1
0-40	925	69.4
0-60	1297	97.3
0-90	1332	100

PHOTOMETRY - 2000 lumen / 80 CRI

PD620ED010- PDM6A835-64VC

Spacing Criteria = 0.92
Lumens per Watt = 96.2 Lm/W
Test No. P137453
Test Model: PD620ED010- PDM6A835-64VC



Scaling factor for the Battery back up:

- 1000 Lumen = 0.55
- 1500 Lumen = 0.40
- 2000 Lumen = 0.33
- 3000 Lumen = 0.22

Candela Distribution	
Degrees Vertical	Candela
0*	1582
5	1558
10	1476
20	1203
30	879
40	608
50	364
60	131
70	10
80	0
90	0

*CBCP

Luminance	
(Average Candela/M ²)	
Degree	Avg. 0° Luminance
45	38469
55	22527
65	7355
75	0
85	0

Cone of Light Footcandles			
Distance to Illuminated Plane	Initial Nadir Footcandles	Beam (ft.)	
		L Length	W Width
5.5	52.3	5	5
7	32.3	6.4	6.4
8	24.7	7.2	7.2
9	19.5	8.2	8.2
10	15.8	9	9
12	11	10.8	10.8

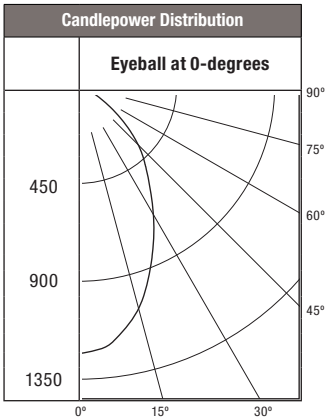
Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot. Footcandle values are initial, apply appropriate light loss factors where necessary.

Zonal Lumen Summary		
Zone	Lumens	% Fixture
0-30	1003	47.4
0-40	1461	69.1
0-60	2053	97.1
0-90	2116	100

PHOTOMETRY - 2000 lumen / 90 CRI

PD620ED010- PDM6A935-64VC

Spacing Criteria = 0.92
Lumens per Watt = 75 Lm/W
Test No. P137457
Test Model: PD620ED010- PDM6A935-64VC



Scaling factor for the Battery back up:

- 1000 Lumen = 0.55
- 1500 Lumen = 0.40
- 2000 Lumen = 0.33
- 3000 Lumen = 0.22

Candela Distribution	
Degrees Vertical	Candela
0*	1233
5	1215
10	1150
20	938
30	685
40	474
50	284
60	102
70	8
80	0
90	0

*CBCP

Luminance	
(Average Candela/M ²)	
Degree	Avg. 0° Luminance
45	29988
55	17567
65	5733
75	0
85	0

Cone of Light Footcandles			
Distance to Illuminated Plane	Initial Nadir Footcandles	Beam (ft.)	
		L Length	W Width
5.5	40.8	5	5
7	25.2	6.4	6.4
8	19.3	7.2	7.2
9	15.2	8.2	8.2
10	12.3	9	9
12	8.6	10.8	10.8

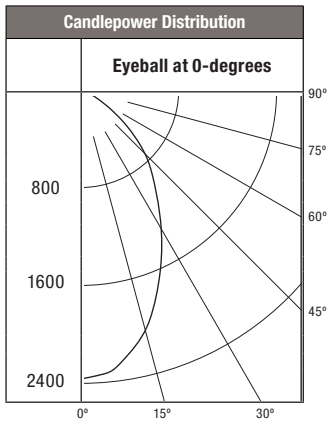
Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot. Footcandle values are initial, apply appropriate light loss factors where necessary.

Zonal Lumen Summary		
Zone	Lumens	% Fixture
0-30	782	47.4
0-40	1139	69.1
0-60	1601	97.1
0-90	1649	100

PHOTOMETRY - 3000 lumen / 80 CRI

PD630ED010- PDM6A835-64VC

Spacing Criteria = 0.92
Lumens per Watt = 88.6 Lm/W
Test No. P137485
Test Model: PD630ED010- PDM6A835-64VC



Candela Distribution	
Degrees Vertical	Candela
0*	2364
5	2329
10	2205
20	1798
30	1313
40	909
50	544
60	196
70	15
80	0
90	0

*CBCP

Luminance	
(Average Candela/M ²)	
Degree	Avg. 0° Luminance
45	57487
55	33671
65	11000
75	0
85	0

Cone of Light Footcandles			
Distance to Illuminated Plane	Initial Nadir Footcandles	Beam (ft.)	
		L Length	W Width
5.5	78.1	5	5
7	48.2	6.4	6.4
8	36.9	7.2	7.2
9	29.2	8.2	8.2
10	23.6	9	9
12	16.4	10.8	10.8

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	% Fixture
0-30	1498	47.4
0-40	2184	69.1
0-60	3069	97.1
0-90	3161	100

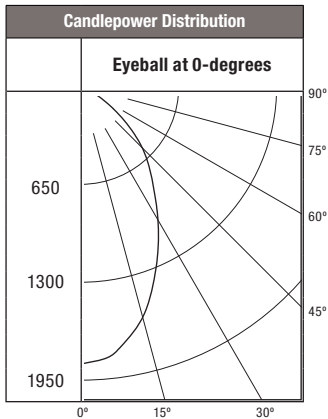
Scaling factor for the Battery back up:

- 1000 Lumen = 0.55
- 1500 Lumen = 0.40
- 2000 Lumen = 0.33
- 3000 Lumen = 0.22

PHOTOMETRY - 3000 lumen / 90 CRI

PD630ED010- PDM6A935-64VC

Spacing Criteria = 0.92
Lumens per Watt = 69 Lm/W
Test No. P137489
Test Model: PD630ED010- PDM6A935-64VC



Candela Distribution	
Degrees Vertical	Candela
0*	1843
5	1816
10	1719
20	1402
30	1024
40	709
50	424
60	153
70	12
80	0
90	0

Luminance	
(Average Candela/M ²)	
Degree	Avg. 0° Luminance
45	44811
55	26245
65	8574
75	0
85	0

Cone of Light Footcandles			
Distance to Illuminated Plane	Initial Nadir Footcandles	Beam (ft.)	
		L Length	W Width
5.5	60.9	5	5
7	37.6	6.4	6.4
8	28.8	7.2	7.2
9	22.7	8.2	8.2
10	18.4	9	9
12	12.8	10.8	10.8

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	% Fixture
0-30	1168	47.4
0-40	1702	69.1
0-60	2392	97.1
0-90	2465	100

Scaling factor for the Battery back up:

- 1000 Lumen = 0.55
- 1500 Lumen = 0.40
- 2000 Lumen = 0.33
- 3000 Lumen = 0.22