

DESCRIPTION

The Halo PD56R Retrofit Kit is designed to be installed into other (Non-Halo Commercial) housings. Recessed 5-inch/6-inch LED retrofit is available in various distributions, lumen and CRI/CCT options. Installs from below the ceiling into existing open frame recessed housings. Use for general area lighting where high efficiency and visual comfort are required.

Catalog #	Type
Project	
Comments	Date
Prepared by	

SPECIFICATION FEATURES

MECHANICAL

Frame

Galvanized steel frame accommodates housing openings up to 6.60" diameter, 2" thick and installs with (2) remodel clips when installed from below the ceiling.

Junction Box

Provided with armored cables providing flexible connections to the LED module and existing junction box for mains voltage connections.

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

Modular design accepts reflector, baffle, shallow baffle, wall wash and directional trims. Attaches to LED module with (3) speed clamps minimizing light leaks to lens.

Trim Retention

Reflectors are retained with two torsion springs holding the flange tightly to the finished ceiling surface.

ELECTRICAL

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 1% with 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 classified for wet location
- IP66 Ingress Protection Rated
- Non-IC rated for 2000 and 3000 Lumen fixtures. Insulation must be kept 3" from top and sides.
- IC rated for 1000 and 1500 Lumen fixtures.
- 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.
- 80 CRI: 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.



PD56R10
PD56R15
PD56R20
PD56R30

PDM6B

Halo ML56 Trims
692, 693, 694
695, 696

1000, 1500,
2000 & 3000
Lumen Series

LED
5-Inch/6-Inch Aperture
Retrofit System

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

Lumens	1000 Series	
Input Voltage	120V	277V
Input Current	0.083 A	0.041 A
Input Power	9.9 W	10.8 W
Efficacy	120 LPW	120 LPW
Inrush Current	0.53 A	1.3 A

Lumens	1500 Series	
Input Voltage	120V	277V
Input Current	0.114 A	0.053 A
Input Power	13.7 W	14.3 W
Efficacy	120 LPW	120 LPW
Inrush Current	0.63 A	1.7 A

Lumens	2000 Series	
Input Voltage	120V	277V
Input Current	0.166 A	0.079 A
Input Power	19.9 W	20.5 W
Efficacy	115 LPW	115 LPW
Inrush Current	0.59 A	2.7 A

Lumens	3000 Series	
Input Voltage	120V	277V
Input Current	0.232 A	0.103 A
Input Power	27.7 W	27.5 W
Efficacy	110 LPW	110 LPW
Inrush Current	0.73 A	2.9 A

ORDERING INFORMATION

SAMPLE NUMBER: PD56R10D010BREM-PDM6B827-692W

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

Housing	Lumens	Driver	Options	LED Module	CRI/CCT
PD56R = 5"/6" aperture LED downlight retrofit PD56RCP = 5"/6" aperture LED downlight retrofit, CCEA listed for City of Chicago plenum requirements	10 = 1,000 lumens (nominal) 15 = 1,500 lumens (nominal) 20 = 2,000 lumens (nominal) 30 = 3,000 lumens (nominal)	D010B = 120-277V 50/60Hz, 0-10V dimming	REM =emergency operation with remote indicator and test switch (not available with PD56RCP housing)	PDM6B = 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

Reflector	Finish Option	Accessories
692 =6" reflector	SC =Specular clear with white flange H =Semi specular clear with white flange W =White with white flange	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 WW695SC = 6" wall wash kick reflector, specular clear (use for double or corner wall wash or replacement) TRM690WH = 6" LED oversize trim ring H347 = Step down transformer for 347V input, 75VA max H347200 = Step down transformer for 347V input, 200VA max PORLWTPD1 = LumaWatt Pro Wireless Sensor Kit (0-10V only) TMSWPD1 = WaveLinx tilemount daylight sensor (includes control module, sensor, cable and tile mount)
693 =6" baffle	WB =White baffle with white flange BB =Black baffle with white flange SNB =Satin nickel baffle and flange TBZB =Tuscan bronze baffle and flange	
694 =6" regressed eyeball directional	WB =White eyeball, baffle and flange SNB =Satin nickel eyeball, baffle and flange TBZB =Tuscan bronze eyeball, baffle and flange	
695 =6" wall wash	WW =Specular reflector, repositionable specular kick reflector and white flange	
696 =6" shallow baffle	WB =White baffle with white flange	

UL Classified to Retrofit into other Housings:

PD6MB LED Light Engine is compatible with PD56R* Retrofit installation and designed to work with Halo ML56 LED trim series: 692x, 693x, 694x, 695x, and 696x.

Cooper Lighting PDS

- PD6x

Philips Lightolier Calculite

- B600x
- S6132BUx,
- C670MH0E1x

Philips Omega

- OM6x

Philips Capri

- CM6x

Juno - Indy Performance Series (Elate)

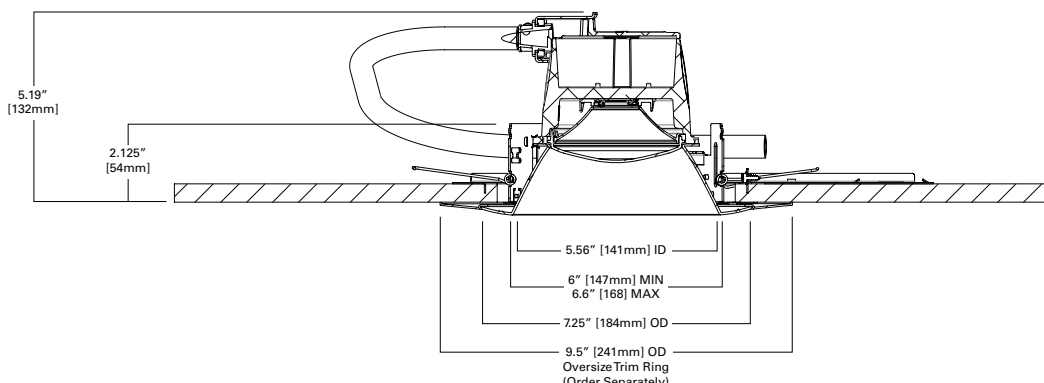
- A6x
- C6x
- M6x

Juno

- CH6x
- CV6x
- MX6x
- TC906x

For the latest listing of qualified housings, please refer to the latest Halo Commercial LED Specification sheet that can be located on Cooper Lighting website: www.cooperlighting.com – select Halo Commercial.

DIMENSIONS



COMPLIANCE TABLE

1000 LUMEN

80 CRI								
Catalog #	PD56R10D010B-PDM6B827		PD56R10D010B-PDM6B830		PD56R10D010B-PDM6B835		PD56R10D010B-PDM6B840	
	LUMENS	LPW	LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
692H	1099.4	111.1	1161.9	117.4	1197.4	120.9	1213.4	122.6
692SC	1159.0	117.1	1224.9	123.7	1262.3	127.5	1279.2	129.2
692W	1157.1	116.9	1222.9	123.5	1260.3	127.3	1277.2	129.0
693WB	1146.7	115.8	1211.9	122.4	1248.9	126.2	1265.6	127.8
693BB	845.7	85.4	893.8	90.3	921.1	93.0	933.5	94.3
693SNB	998.0	100.8	1054.8	106.5	1087.0	109.8	1101.6	111.3
693TBZB	912.7	92.2	964.6	97.4	994.1	100.4	1007.3	101.7
696WB	1198.3	121.0	1266.4	127.9	1305.1	131.8	1322.6	133.6
694WB	1254.2	126.7	1325.5	133.9	1366.0	138.0	1384.3	139.8
694SNB	1225.9	123.8	1295.6	130.9	1335.2	134.9	1353.1	136.7
694TBZB	1201.3	121.3	1269.7	128.3	1308.5	132.2	1326.0	133.9
695WW	1148.5	116.0	1213.8	122.6	1250.9	126.4	1267.7	128.1

90 CRI								
Catalog #	PD56R10D010B-PDM6B927		PD56R10D010B-PDM6B930		PD56R10D010B-PDM6B935		PD56R10D010B-PDM6B940	
	LUMENS	LPW	LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
692H	933.8	94.3	991.3	100.1	1045.9	105.6	1063.4	107.4
692SC	984.4	99.4	1045.1	105.6	1102.5	111.4	1121.0	113.2
692W	982.9	99.3	1043.4	105.4	1100.8	111.2	1119.2	113.1
693WB	974.0	98.4	1034.0	104.4	1090.9	110.2	1109.1	112.0
693BB	718.4	72.6	762.6	77.0	804.6	81.3	818.0	82.6
693SNB	847.8	85.6	900.0	90.9	949.5	95.9	965.4	97.5
693TBZB	775.2	78.3	823.0	83.1	868.2	87.7	882.8	89.2
696WB	1017.8	102.8	1080.5	109.1	1139.9	115.1	1159.0	117.1
694WB	1065.3	107.6	1130.9	114.2	1193.1	120.5	1213.1	122.5
694SNB	1041.3	105.2	1105.4	111.7	1166.2	117.8	1185.8	119.8
694TBZB	1020.4	103.1	1083.3	109.4	1142.9	115.4	1162.0	117.4
695WW	975.6	98.5	1035.7	104.6	1092.6	110.4	1110.9	112.2

COMPLIANCE TABLE

1500 LUMEN

80 CRI								
Catalog #	PD56R15D010B-PDM6B827		PD56R15D010B-PDM6B830		PD56R15D010B-PDM6B835		PD56R15D010B-PDM6B840	
	LUMENS	LPW	LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
692H	1494	109	1579	115	1628	119	1650	120
692SC	1575	115	1665	122	1716	125	1739	127
692W	1573	115	1662	121	1713	125	1736	127
693WB	1559	114	1647	120	1698	124	1720	126
693BB	1150	84	1215	89	1252	91	1269	93
693SNB	1357	99	1434	105	1478	108	1497	109
693TBZB	1241	91	1311	96	1351	99	1369	100
696WB	1629	119	1722	126	1774	129	1798	131
694WB	1705	124	1802	132	1857	136	1882	137
694SNB	1666	122	1761	129	1815	132	1839	134
694TBZB	1633	119	1726	126	1779	130	1802	132
695WW	1561	114	1650	120	1701	124	1723	126

90 CRI								
Catalog #	PD56R15D010B-PDM6B927		PD56R15D010B-PDM6B930		PD56R15D010B-PDM6B935		PD56R15D010B-PDM6B940	
	LUMENS	LPW	LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
692H	1269	93	1348	98	1422	104	1446	106
692SC	1338	98	1421	104	1499	109	1524	111
692W	1336	98	1418	104	1496	109	1521	111
693WB	1324	97	1406	103	1483	108	1508	110
693BB	977	71	1037	76	1094	80	1112	81
693SNB	1152	84	1223	89	1291	94	1312	96
693TBZB	1054	77	1119	82	1180	86	1200	88
696WB	1384	101	1469	107	1550	113	1576	115
694WB	1448	106	1537	112	1622	118	1649	120
694SNB	1416	103	1503	110	1585	116	1612	118
694TBZB	1387	101	1473	107	1554	113	1580	115
695WW	1326	97	1408	103	1485	108	1510	110

COMPLIANCE TABLE

2000 LUMEN

80 CRI								
Catalog #	PD56R20D010B-PDM6B827		PD56R20D010B-PDM6B830		PD56R20D010B-PDM6B835		PD56R20D010B-PDM6B840	
	LUMENS	LPW	LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
692H	2107	106	2227	112	2295	115	2326	117
692SC	2222	112	2348	118	2420	122	2452	123
692W	2218	111	2344	118	2416	121	2448	123
693WB	2198	110	2323	117	2394	120	2426	122
693BB	1621	81	1713	86	1766	89	1789	90
693SNB	1913	96	2022	102	2084	105	2112	106
693TBZB	1750	88	1849	93	1906	96	1931	97
696WB	2297	115	2428	122	2502	126	2535	127
694WB	2404	121	2541	128	2618	132	2653	133
694SNB	2350	118	2484	125	2559	129	2594	130
694TBZB	2303	116	2434	122	2508	126	2542	128
695WW	2202	111	1327	117	2398	120	2430	122

90 CRI								
Catalog #	PD56R20D010B-PDM6B927		PD56R20D010B-PDM6B930		PD56R20D010B-PDM6B935		PD56R20D010B-PDM6B940	
	LUMENS	LPW	LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
692H	1790	90	1900	95	2005	101	2038	102
692SC	1887	95	2003	101	2113	106	2149	108
692W	1884	95	2000	101	2110	106	2145	108
693WB	1867	94	1982	100	2091	105	2126	107
693BB	1377	69	1462	73	1542	77	1568	79
693SNB	1625	82	1725	87	1820	91	1850	93
693TBZB	1486	75	1578	79	1664	84	1692	85
696WB	1951	98	2071	104	2185	110	2222	112
694WB	2042	103	2168	109	2287	115	2325	117
694SNB	1996	100	2119	106	2236	112	2273	114
694TBZB	1956	98	2077	104	2191	110	2227	112
695WW	1870	94	1985	100	2094	105	2129	107

COMPLIANCE TABLE

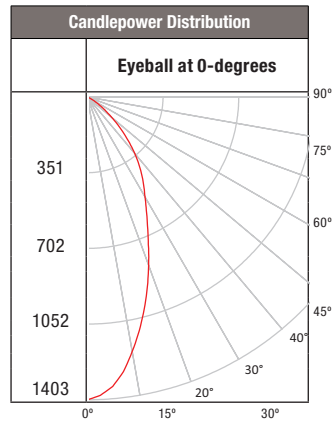
3000 LUMEN

80 CRI								
Catalog #	PD56R30D010B-PDM6B827		PD56R30D010B-PDM6B830		PD56R30D010B-PDM6B835		PD56R30D010B-PDM6B840	
	LUMENS	LPW	LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
692H	2751	100	2907	106	2996	109	3036	110
692SC	2900	105	3065	111	3158	115	3201	116
692W	2895	105	3060	111	3153	115	3196	116
693WB	2869	104	3032	110	3125	114	3167	115
693BB	2116	77	2236	81	2305	84	2336	85
693SNB	2497	91	2639	96	2720	99	2756	100
693TBZB	2284	83	2413	88	2487	90	2520	92
696WB	2998	109	3169	115	3266	119	3309	120
694WB	3138	114	3316	121	3418	124	3464	126
694SNB	3067	112	3242	118	3341	121	3386	123
694TBZB	3006	109	3177	116	3274	119	3318	121
695WW	2874	104	3037	110	3130	114	3172	115

90 CRI								
Catalog #	PD56R10D010B-PDM6B927		PD56R10D010B-PDM6B930		PD56R10D010B-PDM6B935		PD56R10D010B-PDM6B940	
	LUMENS	LPW	LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
692H	2337	85	2480	90	2617	95	2661	97
692SC	2463	90	2615	95	2759	100	2805	102
692W	2459	89	2611	95	2754	100	2800	102
693WB	2437	89	2587	94	2729	99	2775	101
693BB	1797	65	1908	69	2013	73	2047	74
693SNB	2121	77	2252	82	2376	86	2415	88
693TBZB	1940	71	2059	75	2172	79	2209	80
696WB	2547	93	2704	98	2852	104	2900	105
694WB	2665	97	2830	103	2985	109	3035	110
694SNB	2605	95	2766	101	2918	106	2967	108
694TBZB	2553	93	2710	99	2860	104	2907	106
695WW	2441	89	2591	94	2734	99	2780	101

PHOTOMETRY - 1000 lumen / 80 CRI

PD56R10D010B-PDM6B835-692SC
Spacing Criteria = 0.72
Lumens per Watt = 127.5 Lm/W
Test No. P216544
Test Model: PD56R10D010B-PDM6B835-692SC



Candela Distribution	
Degrees Vertical	Candela
0*	1403
5	1346
15	1018
25	659
35	439
45	239
55	82
65	12
75	1
85	0
90	0

*CBCP

Luminance	
(Average Candela/M²)	
Degree	Avg. 0° Luminance
45	18560
55	7866
65	1557
75	148
85	0

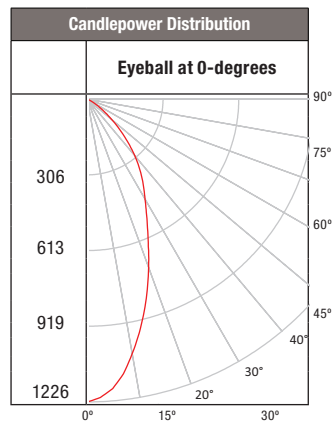
Cone of Light Footcandles			
Distance to Illuminated Plane	Initial Nadir Footcandles	Beam (ft.)	
		L Length	W Width
5.5'	46.4	3.8	3.8
7'	28.6	5	5
8'	21.9	5.6	5.6
9'	17.3	6.4	6.4
10'	14	7	7
12'	9.7	8.4	8.4

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	711.7	56.4
0-40	985.0	78.0
0-60	1247.0	98.8
0-90	1262.3	100

PHOTOMETRY - 1000 lumen / 90 CRI

PD56R10D010B-PDM6B935-692SC
Spacing Criteria = 0.72
Lumens per Watt = 111.4 Lm/W
Test No. P216548
Test Model: PD56R10D010B-PDM56B935-692SC



Candela Distribution	
Degrees Vertical	Candela
0*	1226
5	1176
15	889
25	575
35	384
45	209
55	72
65	10
75	1
85	0
90	0

*CBCP

Luminance	
(Average Candela/M²)	
Degree	Avg. 0° Luminance
45	16211
55	6872
65	1362
75	127
85	0

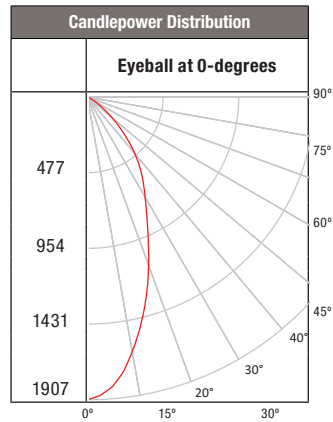
Cone of Light Footcandles			
Distance to Illuminated Plane	Initial Nadir Footcandles	Beam (ft.)	
		L Length	W Width
5.5'	40.5	3.8	3.8
7'	25	5	5
8'	19.2	5.6	5.6
9'	15.1	6.4	6.4
10'	12.3	7	7
12'	8.5	8.4	8.4

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	621.6	56.4
0-40	860.4	78.0
0-60	1089.1	98.8
0-90	1102.6	100

PHOTOMETRY - 1500 lumen / 80 CRI

PD56R15D010B-PDM6B835-692SC
Spacing Criteria = 0.72
Lumens per Watt = 125.2 Lm/W
Test No. P216528
Test Model: PD56R15D010B-PDM6B835-692SC



Candela Distribution	
Degrees Vertical	Candela
0*	1907
5	1830
15	1384
25	896
35	597
45	326
55	112
65	16
75	1
85	0
90	0

*CBCP

Luminance	
(Average Candela/M²)	
Degree	Avg. 0° Luminance
45	25235
55	10685
65	2127
75	191
85	0

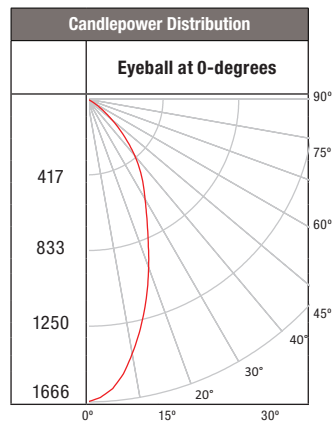
Cone of Light Footcandles			
Distance to Illuminated Plane	Initial Nadir Footcandles	Beam (ft.)	
		L Length	W Width
5.5'	63.1	3.8	3.8
7'	38.9	5	5
8'	29.8	5.6	5.6
9'	23.5	6.4	6.4
10'	19.1	7	7
12'	13.2	8.4	8.4

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	967.5	56.4
0-40	1339.0	78.0
0-60	1695.1	98.8
0-90	1715.9	100

PHOTOMETRY - 1500 lumen / 90 CRI

PD56R15D010B-PDM6B935-692SC
Spacing Criteria = 0.72
Lumens per Watt = 109.4 Lm/W
Test No. P216532
Test Model: PD56R15D010B-PDM6B935-692SC



Candela Distribution	
Degrees Vertical	Candela
0*	1666
5	1598
15	1209
25	782
35	522
45	284
55	98
65	14
75	1
85	0
90	0

*CBCP

Luminance	
(Average Candela/M²)	
Degree	Avg. 0° Luminance
45	22041
55	9338
65	1855
75	169
85	0

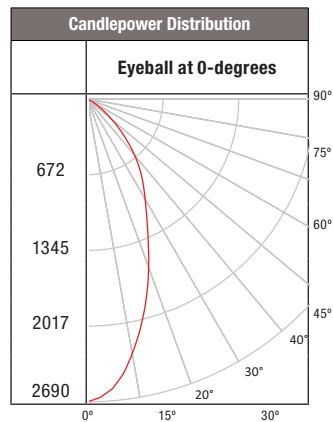
Cone of Light Footcandles			
Distance to Illuminated Plane	Initial Nadir Footcandles	Beam (ft.)	
		L Length	W Width
5.5'	55.1	3.8	3.8
7'	34	5	5
8'	26	5.6	5.6
9'	20.6	6.4	6.4
10'	16.7	7	7
12'	11.6	8.4	8.4

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	845.0	56.4
0-40	1169.6	78.0
0-60	1480.6	98.8
0-90	1498.8	100

PHOTOMETRY - 2000 lumen / 80 CRI

PD56R20D010B-PDM6B835-692SC
Spacing Criteria = 0.72
Lumens per Watt = 121.6 Lm/W
Test No. P216512
Test Model: PD56R20D010B-PDM6B835-692SC



Candela Distribution	
Degrees Vertical	Candela
0*	2690
5	2581
15	1951
25	1263
35	842
45	459
55	158
65	23
75	1
85	0
90	0

*CBCP

Luminance	
(Average Candela/M²)	
Degree	Avg. 0° Luminance
45	35585
55	15072
65	2996
75	275
85	0

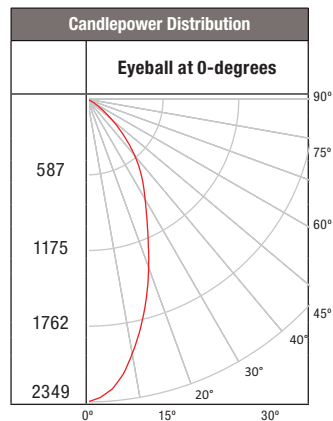
Cone of Light Footcandles			
Distance to Illuminated Plane	Initial Nadir Footcandles	Beam (ft.)	
		L Length	W Width
5.5'	88.9	3.8	3.8
7'	54.9	5	5
8'	42	5.6	5.6
9'	33.2	6.4	6.4
10'	26.9	7	7
12'	18.7	8.4	8.4

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	1364.3	56.4
0-40	1888.2	78.0
0-60	2390.3	98.8
0-90	2419.7	100

PHOTOMETRY - 2000 lumen / 90 CRI

PD56R20D010B-PDM6B935-692SC
Spacing Criteria = 0.72
Lumens per Watt = 106.2 Lm/W
Test No. P216516
Test Model: PD56R20D010B-PDM6B935-692SC



Candela Distribution	
Degrees Vertical	Candela
0*	2349
5	2254
15	1704
25	1103
35	736
45	401
55	138
65	20
75	1
85	0
90	0

*CBCP

Luminance	
(Average Candela/M²)	
Degree	Avg. 0° Luminance
45	31081
55	13161
65	2620
75	233
85	0

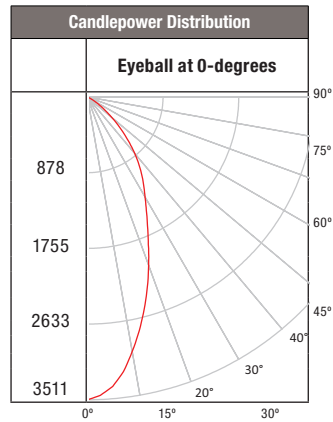
Cone of Light Footcandles			
Distance to Illuminated Plane	Initial Nadir Footcandles	Beam (ft.)	
		L Length	W Width
5.5'	77.7	3.8	3.8
7'	47.9	5	5
8'	36.7	5.6	5.6
9'	29	6.4	6.4
10'	23.5	7	7
12'	16.3	8.4	8.4

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	1191.6	56.4
0-40	1649.2	78.0
0-60	2087.7	98.8
0-90	2113.4	100

PHOTOMETRY - 3000 lumen / 80 CRI

PD56R30D010B-PDM6B835-692SC
Spacing Criteria = 0.72
Lumens per Watt = 114.9 Lm/W
Test No. P216560
Test Model: PD56R30D010B-PDM6B835-692SC



Candela Distribution	
Degrees Vertical	Candela
0*	3511
5	3368
15	2547
25	1648
35	1099
45	599
55	206
65	30
75	2
85	0
90	0

*CBCP

Luminance	
(Average Candela/M²)	
Degree	Avg. 0° Luminance
45	46447
55	19670
65	3904
75	360
85	0

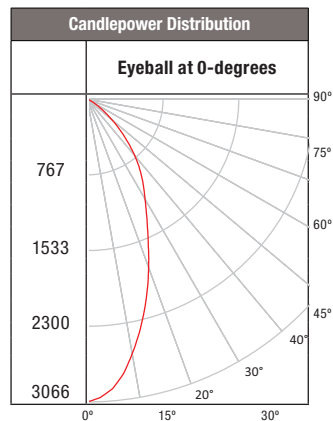
Cone of Light Footcandles			
Distance to Illuminated Plane	Initial Nadir Footcandles	Beam (ft.)	
		L Length	W Width
5.5'	116.1	3.8	3.8
7'	71.6	5	5
8'	54.9	5.6	5.6
9'	43.3	6.4	6.4
10'	35.1	7	7
12'	24.4	8.4	8.4

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	1780.8	56.4
0-40	2464.7	78.0
0-60	3120.0	98.8
0-90	3158.4	100

PHOTOMETRY - 3000 lumen / 90 CRI

PD56R30D010B-PDM6B935-692SC
Spacing Criteria = 0.72
Lumens per Watt = 100.3 Lm/W
Test No. P216564
Test Model: PD56R30D010B-PDM6B935-692SC



Candela Distribution	
Degrees Vertical	Candela
0*	3066
5	2942
10	2224
20	1440
30	960
40	523
50	180
60	26
70	2
80	0
90	0

*CBCP

Luminance	
(Average Candela/M²)	
Degree	Avg. 0° Luminance
45	40570
55	17185
65	3412
75	318
85	0

Cone of Light Footcandles			
Distance to Illuminated Plane	Initial Nadir Footcandles	Beam (ft.)	
		L Length	W Width
5.5'	101.4	3.8	3.8
7'	62.6	5	5
8'	47.9	5.6	5.6
9'	37.9	6.4	6.4
10'	30.7	7	7
12'	21.3	8.4	8.4

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	1555.4	56.4
0-40	2152.7	78.0
0-60	2725.1	98.8
0-90	2758.6	100