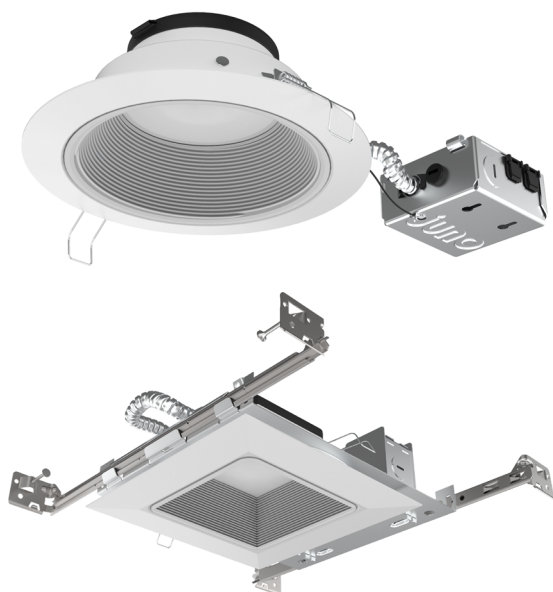


Juno®

Podz™ LED Downlight Series

6" Canless Round and Square LED Downlight
New Construction or Remodel

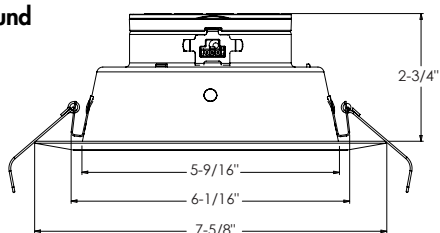
JPDZ6 Series



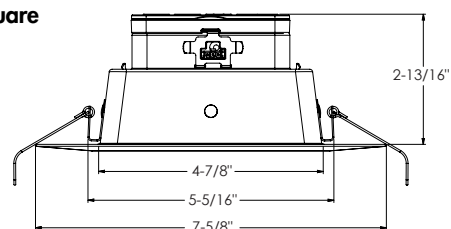
WarmDim®

Dimensions

6" Round



6" Square



Application Flexibility - Remodel



Application Flexibility - New Construction



Project:

Fixture Type:

Location:

Contact/Phone:

Product Features

Canless low profile 6" LED recessed downlight with deeply regressed light source and technology rich features offers performance up to 1200L and installation solutions for both new construction and remodel applications.

Patent pending integral light engine

- Integrated design offers switchable LED color temperature and adjustable lumen output directly on module for easy switching
- Advanced color mixing technology provides consistent performance on the black body curve at all LED color temperatures while maintaining a high 90+ CRI
- WarmDim™ setting provides performance similar to incandescent light sources and warms the LED color temperature over the dimming range from 2850K to 1900K

Installation flexibility and ease

- Low profile integrated LED downlight less than 3" in height fits virtually anywhere
- Installs directly into the plenum - eliminates need for typical recessed housing
- Installs into new construction or remodel applications

Applications

- Ideal for a breadth of residential and commercial applications
- Shallow plenum installations
- IC rated - for direct contact with insulation
- Wet location listed - for use in shower applications

Performance

Switchable Delivered Lumens	700L, 1000L, 1200L
Switchable LED Color Temperature	27K, 30K, 35K, 40K, 50K
WarmDim Included as standard	2850K - 1900K over dimming range 
CRI	90+
Voltage	Dedicated 120V or MVOLT (120-277V)
Dimming	Forward/Reverse Phase or 0-10V



Podz™ LED Downlight Series

6" Canless Round and Square LED Downlight
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ORDERING INFORMATION For complete fixture, order trim module + mounting option

Podz TRIM MODULE

Example: JPDZ6 DC ALO10 SWW5WD 90CRI JPDZRMJBX 120 FRPC WWH

Series	Trim Type	Lumens	Color Temperature	CRI
JPDZ6 Juno Podz 6" LED Downlights	DB Round Downlight Baffle DC Round Downlight Cone SQDB Square Downlight Baffle SQDC Square Downlight Reflector	ALO10 Adjustable Lumen Output 700L, 1000L, and 1200L	SWW5WD Switchable White 2700K, 3000K, 3500K, 4000K, 5000K, + WarmDim (2850K-1900K)	90CRI 90+ CRI

Mounting Options	Voltage/Driver	Finish
REMODEL: JPDZRMJBX⁴ Juno Podz universal remodel junction box (for 4", 5", 6")	120 FRPC 120V Forward/Reverse Phase Cut, 5% dim MVOLT ZT10 Multi-Volt (120-277), 0-10V, 10% dim	WWH¹ White, White Trim Ring BWH² Black, White Trim Ring CWH³ Clear, White Trim Ring HZWH³ Haze, White Trim Ring WHZWH³ Wheat Haze, White Trim Ring
NEW CONSTRUCTION: JPDZ6NCMF Juno Podz 6IN New Construction Mounting Frame (For use with Round and Square Trim Modules)		

Square trim options available to order July 2021.

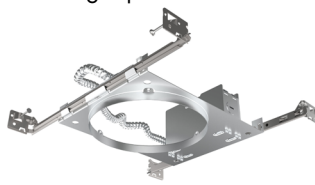
NOTES

- 1 WWH is only available with DB, SQDB, DC and SQDC.
- 2 BWH only available with DB and SQDB.
- 3 CWH, HZWH and WHZWH only available with DC and SQDC.
- 4 Not for use in an existing housing.

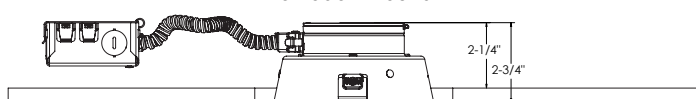
Product ships in 2 parts

Trim Module

Mounting Option

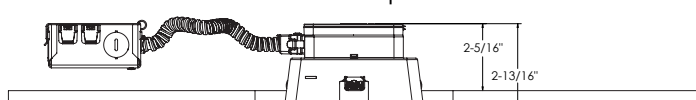


Remodel - Round



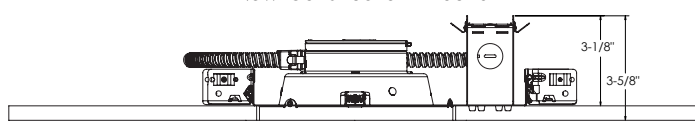
6 7/8" CEILING CUTOUT

Remodel - Square



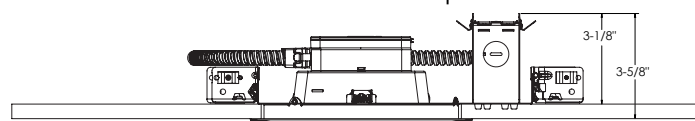
6 7/8" CEILING CUTOUT

New Construction - Round

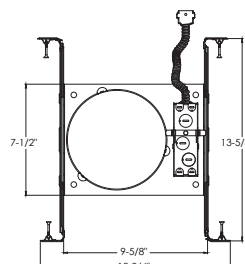
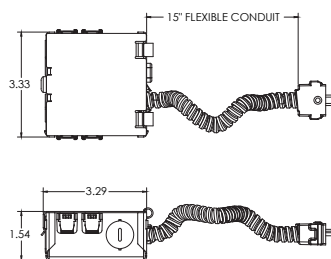


6 7/8" CEILING CUTOUT

New Construction - Square



6 7/8" CEILING CUTOUT





Podz™ LED Downlight Series

6" Canless Round and Square LED Downlight
New Construction or Remodel

Specifications

LED Light Engine

Patent pending integral light engine mounts directly to aluminum housing providing superior heat transfer to ensure long life of the electronics

- Switchable LED color temperature and adjustable lumen output directly on module for easy switching
- Advanced color mixing technology provides consistent color rendering on the black body curve at all LED color temperatures
- LED color temperature settings include 2700K, 3000K, 3500K, 4000K and 5000K; factory set at 3000K
- Three lumen switching options include 700L, 1000L and 1200L; factory set at 1000L
- Dedicated WarmDim setting provides performance similar to incandescent light sources and warms the LED color temperature over the dimming range from 2850K to 1900K
- 90CRI minimum

LED Driver

Choice of dedicated 120 volt (120) driver or universal voltage (MVOLT) drivers that accommodate input voltages from 120-277 volts AC at 50/60Hz

- Power factor > 0.9 at 120V input
- 120 volt only driver is dimmable with the use of most incandescent, magnetic low voltage and electronic low voltage wall box dimmers
- Universal voltage drivers are dimmable with the use of most 0-10V wall box dimmers
- For a list of compatible dimmers, see [JUNOICLED-DIM](#)

Optical System

Computer-optimized reflector design with high reflectance white finish coupled with a high transmission diffusing lens conceals the LEDs and produces uniform aperture luminance

- Deep regression of lens produces a low glare, efficient system typical of a standard 4" downlight medium flood distribution providing even illumination for general downlighting applications.

Certifications

ENERGY STAR® Certified • Can be used to comply with 2019 Title 24, Part 6, JA8 high efficacy LED light source requirements • UL listed for U.S. and Canada through-branch wiring, damp locations and for wet location (indoor covered ceiling) • UL and cUL

Testing All reports are based on published industry procedures; field performance may differ from laboratory performance.

Trim Module Construction

Low profile, < 3" aluminum housing with integral white flange • Designed for installation directly into the plenum in IC (insulated ceiling) or non-IC construction

- Provided with spring clips for ease of installation
- Accommodates up to a 1 1/2" ceiling thickness

Trim Finishes

Choice of baffle or cone trims in a selection of finishes ship installed in trim

Remodel Junction Box Construction

22-gauge die-formed galvanized steel junction box • Conduit cable with quick connect electrical plug pre-wired on junction box and allows for easy electrical connection with the trim module • Junction box provided with (5) 1/2" and (1) 3/4" knockouts, (4) integrated wire traps for 12/2 or 12/3 NM cable UL listed and cUL listed for through-branch wiring, maximum of 4 #12 branch circuit

New Construction Mounting Frame

22-gauge die-formed galvanized steel mounting frame • Rough-in section (junction box, mounting frame and bar hangers) fully assembled for ease of installation • Pre-installed Air-Loc gasket applied to frame • Conduit cable with quick connect electrical plug pre-wired on junction box and allows for easy electrical connection with the trim module • Junction box provided with (5) 1/2" and (1) 3/4" knockouts, (4) knockouts for 12/2 or 12/3 NM cable and ground wire • UL listed and cUL listed for through-branch wiring, maximum of 6 #12 branch circuit conductors • Junction box provided with removable access plates • Knock-outs equipped with pryout slots

Includes Patented (US Patent D552,969) Real Nail® 3 bar hangers: telescoping system permits quick placement of housing any where within 24" O.C. joists or suspended ceilings • Includes removable nail for repositioning of fixture in wood joist construction • Integral T-bar notch and clip for suspended ceilings.

LED housing is designed to provide 50,000 hours of life • 5 year limited warranty on LED components.

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

ELECTRICAL DATA

Dedicated 120V Only Driver Option (120 FRPC)

	700L	1000L	1200L
Input Power	8.2W (+/-5%)	13.7W (+/-5%)	15.2W (+/-5%)
Input Current	0.07A	0.11A	0.13A
Frequency	50/60Hz	50/60Hz	50/60Hz
EMI/RFI	FCC Title 47 CFR, Part 15, Class B (residential)	FCC Title 47 CFR, Part 15, Class B (residential)	FCC Title 47 CFR, Part 15, Class B (residential)
Minimum starting temp	-20°C	-20°C	-20°C

ELECTRICAL DATA

Universal Voltage

MVOLT ZT10

700L		1000L		1200L	
120V	277V	120V	277V	120V	277V
Input Power	8.2W (+/-5%)	8.2W (+/-5%)	13.7W (+/-5%)	15.2W (+/-5%)	15.2W (+/-5%)
Input Current	0.07A	0.03A	0.11A	0.05A	0.06A
Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
EMI/RFI	FCC Title 47 CFR, Part 15, Class B (residential)	FCC Title 47 CFR, Part 15, Class B (residential)	FCC Title 47 CFR, Part 15, Class B (residential)	FCC Title 47 CFR, Part 15, Class B (residential)	FCC Title 47 CFR, Part 15, Class B (residential)
Minimum starting temp	-20°C	-20°C	-20°C	-20°C	-20°C



Podz™ LED Downlight Series

6" Canless Round and Square LED Downlight
New Construction or Remodel

PHOTOMETRICS

Distribution Curve

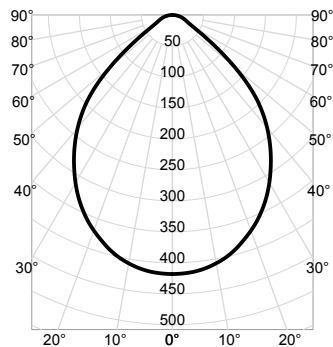
Distribution Data

Output Data

Coefficient of Utilization

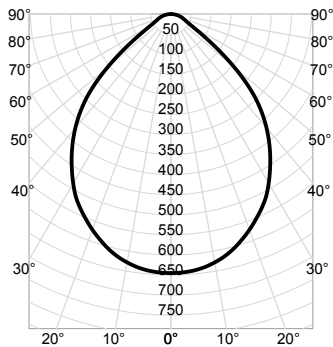
Illuminance Data at 30" Above
Floor for a Single Luminaire

JPDZ6 DB 07LM 30K 90CRI WWH, Input Watts: 8.2, Delivered Lumens: 743, LPW: 90.6, S/MH: 1.12, Test No: 20-971-1



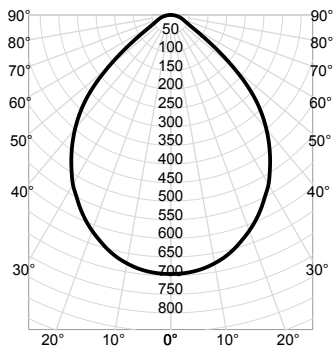
CP Summary	Zonal Lumen Summary				Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)		
	0°	Zone	Lumens	% Fixture	pf	80%					70%					Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance	
					pc	50%	30%	10%	50%	30%	10%	50%	30%	10%						
0°	418	0° - 30°	308	41%	0	119	119	119	116	116	116	111	111	111	6.0	11.6	11.3	0°	29,605	
5°	416	0° - 40°	480	65%	1	108	104	101	105	102	100	101	99	97	8.0	6.5	15.0	45°	19,262	
15°	392	0° - 60°	694	93%	2	97	92	87	95	90	86	92	88	84	10.0	4.2	18.8	55°	8,936	
25°	345	0° - 90°	743	100%	3	88	81	76	86	80	75	83	78	74	12.0	2.9	22.6	65°	4,472	
35°	277	90° - 180°	0	0%	4	80	72	67	78	72	66	76	70	65	14.0	2.1	26.3	75°	4,239	
45°	192	0° - 180°	743	100%	5	72	65	59	71	64	59	69	63	58	Beam Angle: 86.5° Field Angle: 119.0°			85°	3,493	
55°	72				6	66	59	53	65	58	53	64	57	52						
65°	27				7	61	53	48	60	53	48	59	52	47						
75°	16				8	56	49	43	55	48	43	54	48	43						
85°	4				9	52	45	40	51	44	40	50	44	39						
90°	0				10	48	41	36	48	41	36	47	41	36						

JPDZ6 DB 10LM 30K 90CRI WWH, Input Watts: 13.7, Delivered Lumens: 1153, LPW: 84.2, S/MH: 1.13, Test No: 20-971-2



CP Summary		Zonal Lumen Summary				Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)		
						pf					20%						Mounting Height	Initial FC Center Beam	Beam Diameter		
0°		Zone	Lumens	% Fixture	pc	50%	30%	10%	50%	30%	10%	50%	30%	10%	Average Luminance						
0°	645	0° - 30°	477	41%	0	119	119	119	116	116	116	111	111	111	6.0	17.9	11.4	0°	45,688		
5°	642	0° - 40°	745	65%	1	108	104	101	105	102	100	101	99	97	8.0	10.1	15.1	45°	29,944		
15°	605	0° - 60°	1,078	93%	2	97	92	87	95	90	86	92	88	84	10.0	6.5	18.9	55°	13,971		
25°	534	0° - 90°	1,153	100%	3	88	81	76	86	80	75	83	78	74	12.0	4.5	22.7	65°	6,968		
35°	431	90° - 180°	0	0%	4	80	72	67	78	72	66	76	70	65	14.0	3.3	26.5	75°	6,564		
45°	299	0° - 180°	1,153	100%	5	72	65	59	71	64	59	69	63	58	Beam Angle: 86.8° Field Angle: 119.1°			85°	5,361		
55°	113				6	66	59	53	65	58	53	64	57	52							
65°	42				7	61	53	48	60	53	48	59	52	47							
75°	24				8	56	49	43	55	48	43	54	48	43							
85°	7				9	52	45	40	51	44	40	50	44	39							
90°	0				10	48	41	36	48	41	36	47	40	36							

JPDZ6 DB 12LM 30K 90CRI WWH, Input Watts: 15.2, Delivered Lumens: 1243, LPW: 81.8, S/MH: 1.13, Test No: 20-971-3



CP Summary		Zonal Lumen Summary				Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)		
						pf											Mounting Height	Initial FC Center Beam	Beam Diameter		
0°		Zone	Lumens	% Fixture	pc	50%	30%	10%	50%	30%	10%	50%	30%	10%	Average Luminance						
0°	696	0° - 30°	513	41%	0	119	119	119	116	116	116	111	111	111	6.0	19.3	11.4	0°	49,242		
5°	692	0° - 40°	803	65%	1	108	104	101	105	102	100	101	99	97	8.0	10.9	15.1	45°	32,286		
15°	652	0° - 60°	1,161	93%	2	97	92	87	95	90	86	92	88	84	10.0	7.0	18.9	55°	15,057		
25°	574	0° - 90°	1,243	100%	3	88	81	76	86	80	75	83	78	74	12.0	4.8	22.7	65°	7,521		
35°	465	90° - 180°	0	0%	4	80	72	67	78	72	66	76	70	65	14.0	3.5	26.5	75°	7,084		
45°	323	0° - 180°	1,243	100%	5	72	65	59	71	64	59	69	63	58	Beam Angle: 86.9° Field Angle: 119.1°			85°	5,767		
55°	122				6	66	59	53	65	58	53	64	57	52							
65°	45				7	61	53	48	60	53	48	59	52	47							
75°	26				8	56	49	43	55	48	43	54	48	43							
85°	7				9	52	45	40	51	44	40	50	44	39							
90°	0				10	48	41	36	48	41	36	47	40	36							



Podz™ LED Downlight Series

6" Canless Round and Square LED Downlight
New Construction or Remodel

PHOTOMETRICS

Distribution Curve

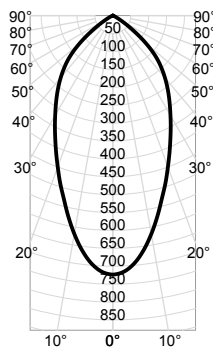
Distribution Data

Output Data

Coefficient of Utilization

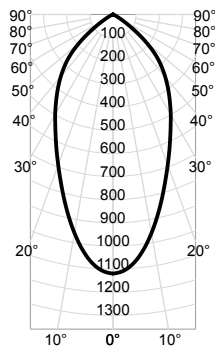
Illuminance Data at 30" Above
Floor for a Single Luminaire

JPDZ6 DC 07LM 30K 90CRI HZWH, Input Watts: 8.2, Delivered Lumens: 760, LPW: 92.7, S/MH: 0.75, Test No: 20-971-4



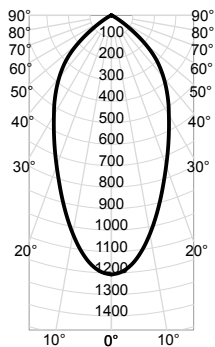
CP Summary		Zonal Lumen Summary				Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)		
						pf	80%					20%					Mounting Height	Initial FC Center Beam	Beam Diameter		
0°		Zone	Lumens	% Fixture	pc	50%	30%	10%	50%	30%	10%	50%	30%	10%	Average Luminance						
0°	724	0° - 30°	387	51%	0	119	119	119	116	116	116	111	111	111	6.0	20.1	6.0	0°	51,231		
5°	694	0° - 40°	557	73%	1	109	107	104	107	105	102	103	101	99	8.0	11.3	8.0	45°	17,980		
15°	529	0° - 60°	750	99%	2	100	95	91	98	94	90	95	91	88	10.0	7.2	10.0	55°	7,393		
25°	380	0° - 90°	760	100%	3	92	86	81	90	85	80	87	83	79	12.0	5.0	12.0	65°	1,240		
35°	272	90° - 180°	0	0%	4	84	78	73	83	77	72	81	75	71	14.0	3.7	14.0	75°	191		
45°	180	0° - 180°	760	100%	5	77	71	66	76	70	65	75	69	65	Beam Angle: 53.1° Field Angle: 107.9°					85°	162
55°	60				6	71	65	60	71	64	59	69	63	59							
65°	7				7	66	59	54	66	59	54	64	58	54							
75°	1				8	62	55	50	61	54	50	60	54	50							
85°	0				9	57	51	46	57	50	46	56	50	46							
90°	0				10	54	47	43	53	47	43	52	47	43							

JPDZ6 DC 10LM 30K 90CRI HZWH, Input Watts: 13.7, Delivered Lumens: 1176, LPW: 85.8, S/MH: 0.74, Test No: 20-971-5



CP Summary	Zonal Lumen Summary				Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
	0°	Zone	Lumens	% Fixture	pf	80%					20%					Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance
					pc	50%	30%	10%	50%	30%	10%	50%	30%	10%					
0°	1,119	0° - 30°	598	51%	0	119	119	119	116	116	116	111	111	111	6.0	31.1	6.0	0°	79,243
5°	1,074	0° - 40°	861	73%	1	109	107	104	107	105	102	103	101	99	8.0	17.5	7.9	45°	27,841
15°	820	0° - 60°	1,160	99%	2	100	95	91	98	94	90	95	91	88	10.0	11.2	9.9	55°	11,490
25°	585	0° - 90°	1,176	100%	3	92	86	81	90	85	80	87	83	79	12.0	7.8	11.9	65°	1,926
35°	422	90° - 180°	0	0%	4	84	78	73	83	77	72	81	75	71	14.0	5.7	13.9	75°	301
45°	278	0° - 180°	1,176	100%	5	77	71	65	76	70	65	74	69	65	Beam Angle: 52.8° Field Angle: 107.9°			85°	244
55°	93			6	71	64	59	71	64	59	69	63	59						
65°	12			7	66	59	54	65	59	54	64	58	54						
75°	1			8	62	55	50	61	54	50	60	54	50						
85°	0			9	57	51	46	57	50	46	56	50	46						
90°	0			10	54	47	43	53	47	43	52	47	43						

JPDZ6 DC 12LM 30K 90CRI HZWH, Input Watts: 15.2, Delivered Lumens: 1267, LPW: 83.4, S/MH: 0.74, Test No: 20-971-6



CP Summary	Zonal Lumen Summary				Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)		
	0°	Zone	Lumens	% Fixture	pf	80%					20%					Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance	
					pc	50%	30%	10%	50%	30%	10%	50%	30%	10%						
0°	1,207	0° - 30°	644	51%	0	119	119	119	116	116	116	111	111	111	6.0	33.5	6.0	0°	85,437	
5°	1,158	0° - 40°	928	73%	1	109	107	104	107	105	102	103	101	99	8.0	18.9	7.9	45°	30,024	
15°	884	0° - 60°	1,250	99%	2	100	95	91	98	94	90	95	91	88	10.0	12.1	9.9	55°	12,391	
25°	631	0° - 90°	1,267	100%	3	92	86	81	90	85	80	87	83	79	12.0	8.4	11.9	65°	2,094	
35°	455	90° - 180°	0	0%	4	84	78	73	83	77	72	81	75	71	14.0	6.2	13.9	75°	301	
45°	300	0° - 180°	1,267	100%	5	77	71	65	76	70	65	74	69	65	Beam Angle: 52.8° Field Angle: 107.9°			85°	244	
55°	100				6	71	64	59	71	64	59	69	63	59						
65°	13				7	66	59	54	65	59	54	64	58	54						
75°	1				8	62	55	50	61	54	50	60	54	50						
85°	0				9	57	51	46	57	50	46	56	50	46						
90°	0				10	54	47	43	53	47	43	52	47	43						

6" LUMEN OUTPUT MULTIPLIERS

CCT	DB WWH	DB BWH	DC WWH	DC CWH	DC WHZWH	DC HZWH
2700K	1.01	0.82	1.04	1.04	0.97	1.01
3000K	1.00	0.81	1.03	1.03	0.96	1.00
3500K	1.00	0.82	1.03	1.03	0.96	1.00
4000K	1.00	0.82	1.03	1.03	0.96	1.00
5000K	0.98	0.80	1.01	1.01	0.94	0.98
Warm Dim	0.92	0.75	0.95	0.94	0.88	0.92