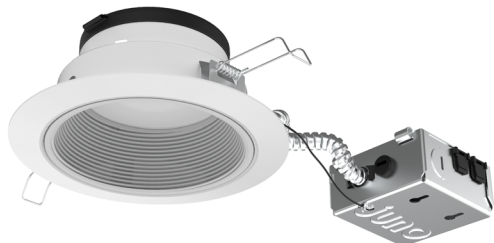




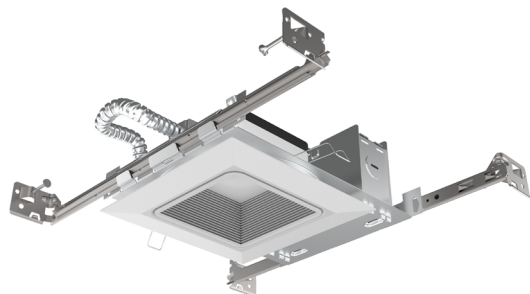
Podz™ LED Downlight Series

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

JPDZ5 Series



Complete remodel fixture shown

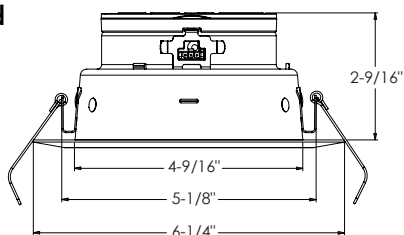


Complete new construction fixture shown

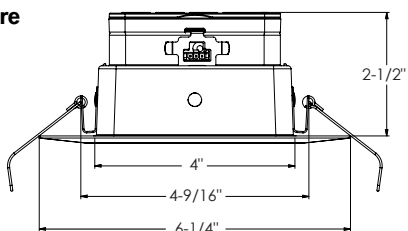


Dimensions

5" Round



5" Square



Application Flexibility - Remodel



Application Flexibility - New Construction



Project:
Fixture Type:
Location:
Contact/Phone:

Product Features

Canless low profile 5" 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.

Patented color temperature and intensity configurable lighting fixture (US Patent No. 11,259,377 B2)

- Integrated light engine 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 and outdoor covered ceiling 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 Dimming range from 100% to 5%

Specifications

	Round	Square
Aperture:	4.56" (11.58)	4" (10.16)
Ceiling Opening:	5.625" (14.29)	5.625" (14.29)
Overlap Trim:	6.25" (15.89)	6.25" (15.89)
Height:	2.56" (6.50)	2.5" (6.35)

All dimensions are in Inches (centimeters unless otherwise indicated).



Podz™ LED Downlight Series

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

ORDERING INFORMATION

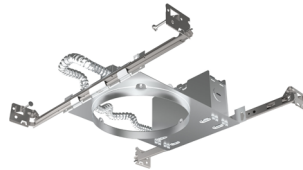
Two ways to order Podz:

1. Ship separate trim module and mounting

Trim Module



Mounting Option



or



Example: JPDZ5 DC ALO10 SWW5WD 90CRI JPDZRMJBX 120 FRPC WWH, Ships as example: Trim module: JPDZ5 DC ALO10 SWW5WD 90CRI 120 FRPC WWH M6, Mounting: JPDZRMJBX 120 FRPC M6



Series	Trim Type	Lumens	Color Temperature	CRI
JPDZ5 Juno Podz 5" 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 (Required for complete fixture)	Voltage/Driver	Finish
REMODEL: JPDZRMJBX ⁴ 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	WWH ¹ White, White Trim Ring BWH ^{2,5} Black, White Trim Ring CWH ³ Clear, White Trim Ring HZWH ³ Haze, White Trim Ring WHZWH ³ Wheat Haze, White Trim Ring
NEW CONSTRUCTION: JPDZ5NCMF Juno Podz 5IN New Construction Mounting Frame (For use with Round and Square Trim Modules)		



NOTES

- 1 WWH is 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.
- 5 Square black baffle not ENERGY STAR® and T24 certified.

2. All-in-one box remodel downlight

Series	Trim Type/Voltage	Finish
JPDZ5JB Juno Podz 5" Trim and Remodel Junction Box	RDB1 Round Downlight Baffle 120V RDC1 Round Downlight Cone 120V	WWH White, White Trim Ring

EMERGENCY OPERATION OPTION

For use in Non-IC applications where insulation is spaced at least 3" away. If installing from below the ceiling, minimum plenum depths required:
IIS 25 = 11 7/8"
IIS 50 = 15"

Iota IIS 25 I	25W Emergency Micro-Inverter
Iota IIS 50 I	50W Emergency Micro-Inverter

ACCESSORIES

Trim inserts are interchangeable and field installable to easily change the aesthetic of the Podz luminaire

RK3JPDZ5 DB BWH BFL	5" Round Baffle Black Trim Insert
RK3JPDZ5 DB WWH BFL	5" Round Baffle White Trim Insert
RK3JPDZ5 DC CWH RFL	5" Round Cone Clear Trim Insert
RK3JPDZ5 DC HZWH RFL	5" Round Cone Haze Trim Insert
RK3JPDZ5 DC WHZWH RFL	5" Round Cone Wheat Haze Trim Insert
RK3JPDZ5 DC WWH RFL	5" Round Cone White Trim Insert
RK3JPDZ5 SQDB BWH BFL	5" Square Baffle Black Trim Insert
RK3JPDZ5 SQDB WWH BFL	5" Square Baffle White Trim Insert
RK3JPDZ5 SQDC CWH RFL	5" Square Cone Clear Trim Insert
RK3JPDZ5 SQDC HZWH RFL	5" Square Cone Haze Trim Insert
RK3JPDZ5 SQDC WHZWH RFL	5" Square Cone Wheat Haze Trim Insert
RK3JPDZ5 SQDC WWH RFL	5" Square Cone White Trim Insert



Podz™ LED Downlight Series

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

Specifications

LED Light Engine

Patented color temperature and intensity configurable lighting fixture (US Patent No. 11,259,377 B2) with integrated light engine that 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 and outdoor covered ceiling) • UL and cUL • NOM certified.

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 • Optional field installable trim inserts available.

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 33,000 hours of life at 70% lumen maintenance • 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.



Control the LED color temperature and lumen output in your space with the switchable LED color temperature and adjustable lumen output switches accessible directly on the Podz trim.

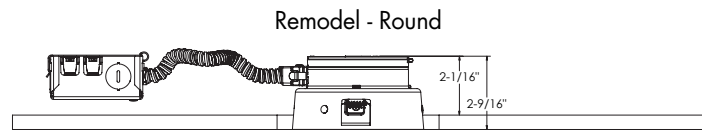


Podz™ LED Downlight Series

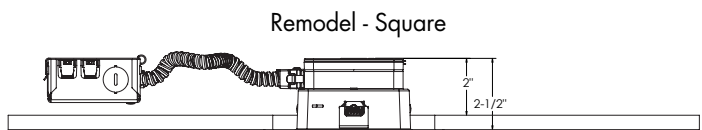
5" Canless Round and Square LED Downlight
New Construction or Remodel

TECHNICAL DATA

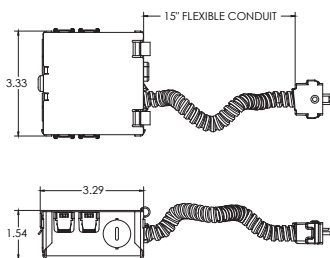
Dimensional Data and Electrical Data



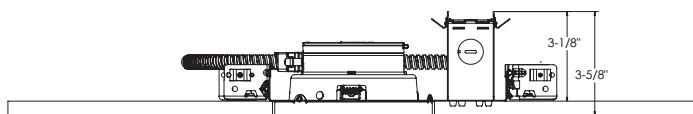
5 5/8" CEILING CUTOUT



5 5/8" CEILING CUTOUT

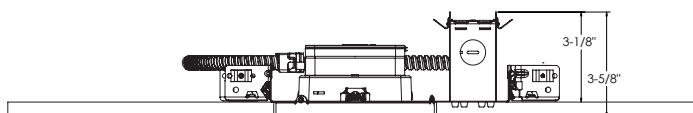


New Construction - Round

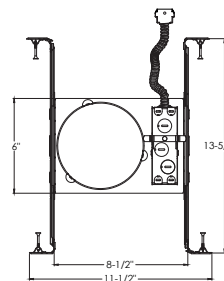


5 5/8" CEILING CUTOUT

New Construction - Square



5 5/8" CEILING CUTOUT



ELECTRICAL DATA

Dedicated 120V Only Driver Option (120 FRPC)

	700L	1000L	1200L
Input Power	9.3W (+/-5%)	13.7W (+/-5%)	15.9W (+/-5%)
Input Current	0.08A	0.12A	0.14A
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	9.3W (+/-5%)	9.3W (+/-5%)	13.7W (+/-5%)	13.7W (+/-5%)	15.9W (+/-5%)	15.9W (+/-5%)
Input Current	0.08A	0.03A	0.12A	0.05A	0.14A	0.06A
Frequency	50/60Hz	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)	FCC Title 47 CFR, Part 15, Class B (residential)
Minimum starting temp	-20°C	-20°C	-20°C	-20°C	-20°C	-20°C



Podz™ LED Downlight Series

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

PHOTOMETRICS

Distribution Curve

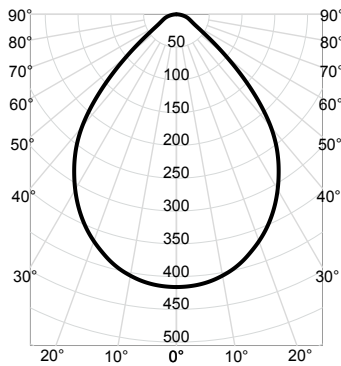
Distribution Data

Output Data

Coefficient of Utilization

Illuminance Data at 30" Above Floor for a Single Luminaire

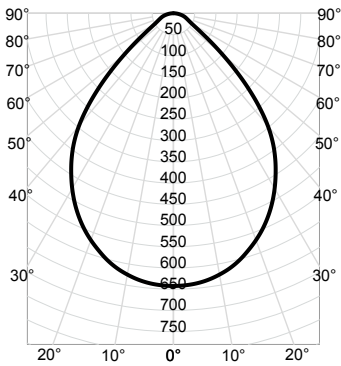
JPDZ5 DB 700LM 3000K 90CRI WWH Input Watts: 9.3, Delivered Lumens: 694, LPW: 74.6, S/MH: 1.12, Test No: 20-969-1P39



CP Summary		Zonal Lumen Summary		Coefficients of Utilization						Cone of Light			Luminance (cd/sq.m)						
0°	Zone	Lumens	% Fixture	pf	80%		20%		50%		Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance					
				pc	50%	30%	10%	50%	30%	10%									
0°	0° - 30°	306	44%	0	119	119	119	116	116	116	111	111	111	111	6.0	11.6	10.5	0°	46,539
5°	0° - 40°	474	68%	1	108	105	102	106	103	100	101	99	97	8.0	6.5	14.1	45°	25,434	
15°	0° - 60°	648	93%	2	97	92	88	96	91	87	92	88	85	10.0	4.2	17.6	55°	10,413	
25°	0° - 90°	694	100%	3	88	82	77	87	81	76	84	79	75	12.0	2.9	21.1	65°	6,616	
35°	90° - 180°	0	0%	4	80	73	68	79	73	67	77	71	67	14.0	2.1	24.6	75°	6,612	
45°	0° - 180°	694	100%	5	74	66	61	72	66	60	71	64	60				85°	5,646	
55°		53		6	67	60	55	67	59	54	65	59	54						
65°		25		7	62	55	49	61	54	49	60	54	49						
75°		15		8	57	50	45	57	50	45	56	49	45						
85°		4		9	53	46	41	53	46	41	52	45	41						
90°		0		10	50	43	38	49	42	38	48	42	38						

Beam Angle: 82.6°
Field Angle: 114.9°

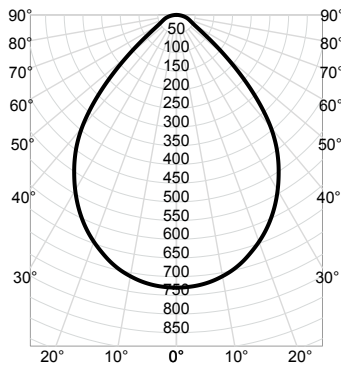
JPDZ5 DB 1000LM 3000K 90CRI WWH Input Watts: 13.7, Delivered Lumens: 1072, LPW: 78.2, S/MH: 1.12, Test No: 20-969-1P51



CP Summary		Zonal Lumen Summary		Coefficients of Utilization						Cone of Light			Luminance (cd/sq.m)					
0°	Zone	Lumens	% Fixture	pf	80%		20%		50%		Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance				
				pc	50%	30%	10%	50%	30%	10%								
0°	0° - 30°	472	44%	0	119	119	119	116	116	116	111	111	111	6.0	17.8	10.5	0°	71,887
5°	0° - 40°	731	68%	1	108	105	102	106	103	100	101	99	97	8.0	10.0	14.1	45°	39,288
15°	0° - 60°	1,000	93%	2	97	92	88	96	91	87	92	88	85	10.0	6.4	17.6	55°	16,084
25°	0° - 90°	1,072	100%	3	88	82	77	87	81	76	84	79	75	12.0	4.5	21.1	65°	10,220
35°	90° - 180°	0	0%	4	80	73	68	79	73	67	77	71	67	14.0	3.3	24.6	75°	10,213
45°	0° - 180°	1,072	100%	5	74	66	61	72	66	60	71	64	60				85°	8,722
55°		82		6	67	60	55	67	59	54	65	59	54					
65°		39		7	62	55	49	61	54	49	60	54	49					
75°		24		8	57	50	45	57	50	45	56	49	45					
85°		7		9	53	46	41	53	46	41	52	45	41					
90°		0		10	50	43	38	49	42	38	48	42	38					

Beam Angle: 82.6°
Field Angle: 114.9°

JPDZ5 DB 1200LM 3000K 90CRI WWH Input Watts: 15.9, Delivered Lumens: 1217, LPW: 76.5, S/MH: 1.12, Test No: 20-969-1P63



CP Summary		Zonal Lumen Summary		Coefficients of Utilization						Cone of Light			Luminance (cd/sq.m)					
0°	Zone	Lumens	% Fixture	pf	80%		20%		50%		Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance				
				pc	50%	30%	10%	50%	30%	10%								
0°	0° - 30°	536	44%	0	119	119	119	116	116	116	111	111	111	6.0	20.3	10.5	0°	81,611
5°	0° - 40°	830	68%	1	108	105	102	106	103	100	101	99	97	8.0	11.4	14.1	45°	44,602
15°	0° - 60°	1,136	93%	2	97	92	88	96	91	87	92	88	85	10.0	7.3	17.6	55°	18,260
25°	0° - 90°	1,217	100%	3	88	82	77	87	81	76	84	79	75	12.0	5.1	21.1	65°	11,602
35°	90° - 180°	0	0%	4	80	73	68	79	73	67	77	71	67	14.0	3.7	24.6	75°	11,594
45°	0° - 180°	1,217	100%	5	74	66	61	72	66	60	71	64	60				85°	9,902
55°		94		6	67	60	55	67	59	54	65	59	54					
65°		44		7	62	55	49	61	54	49	60	54	49					
75°		27		8	57	50	45	57	50	45	56	49	45					
85°		8		9	53	46	41	53	46	41	52	45	41					
90°		0		10	50	43	38	49	42	38	48	42	38					

Beam Angle: 82.6°
Field Angle: 114.9°



Podz™ LED Downlight Series

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

PHOTOMETRICS

Distribution Curve

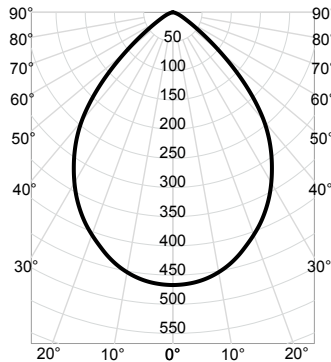
Distribution Data

Output Data

Coefficient of Utilization

Illuminance Data at 30" Above Floor for a Single Luminaire

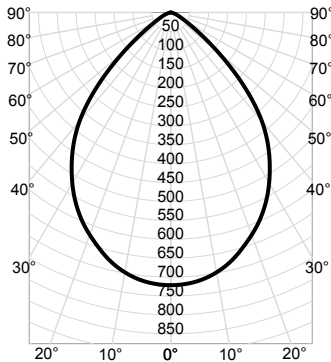
JPDZ5 DC 700LM 3000K 90CRI WWH Input Watts: 9.3, Delivered Lumens: 730, LPW: 78.5, S/MH: 1.10, Test No: 20-969-4P77



CP Summary		Zonal Lumen Summary				Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	pc	80%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance	
0°	0° - 30°	337	46%	0	119	119	119	116	116	116	111	111	111	111	111	6.0	13.0	10.3	0°	52,260
5°	0° - 40°	520	71%	1	109	106	103	107	104	101	103	100	98	98	98	8.0	7.3	13.8	45°	27,846
15°	0° - 60°	706	97%	2	99	94	90	97	93	89	94	90	87	87	87	10.0	4.7	17.2	55°	10,701
25°	0° - 90°	730	100%	3	90	84	79	89	83	78	86	81	77	77	77	12.0	3.2	20.7	65°	4,373
35°	90° - 180°	0	0%	4	82	75	70	81	75	70	79	73	69	69	69	14.0	2.4	24.1	75°	1,991
45°	0° - 180°	730	100%	5	75	68	63	74	68	63	72	66	62	62	62				85°	771
55°		55		6	69	62	57	68	61	56	67	61	56	56	56					
65°		17		7	64	56	51	63	56	51	62	55	51	51	51					
75°		5		8	59	52	47	58	52	47	57	51	47	47	47					
85°		1		9	55	48	43	54	47	43	53	47	43	43	43					
90°		0		10	51	44	40	51	44	39	50	44	39	39	39					

Beam Angle: 81.4°
Field Angle: 112.6°

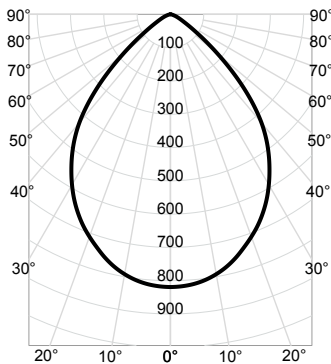
JPDZ5 DC 1000LM 3000K 90CRI WWH Input Watts: 13.7, Delivered Lumens: 1127, LPW: 82.3, S/MH: 1.10, Test No: 20-969-4P101



CP Summary		Zonal Lumen Summary				Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	pc	80%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance	
0°	0° - 30°	521	46%	0	119	119	119	116	116	116	111	111	111	111	111	6.0	20.0	10.3	0°	80,725
5°	0° - 40°	803	71%	1	109	106	103	107	104	101	103	100	98	98	98	8.0	11.3	13.8	45°	43,013
15°	0° - 60°	1,091	97%	2	99	94	90	97	93	89	94	90	87	87	87	10.0	7.2	17.2	55°	16,529
25°	0° - 90°	1,127	100%	3	90	84	79	89	83	78	86	81	77	77	77	12.0	5.0	20.7	65°	6,755
35°	90° - 180°	0	0%	4	82	75	70	81	75	70	79	73	69	69	69	14.0	3.7	24.1	75°	3,075
45°	0° - 180°	1,127	100%	5	75	68	63	74	68	63	72	66	62	62	62				85°	1,191
55°		85		6	69	62	57	68	61	56	67	61	56	56	56					
65°		26		7	64	56	51	63	56	51	62	55	51	51	51					
75°		7		8	59	52	47	58	52	47	57	51	47	47	47					
85°		1		9	55	48	43	54	47	43	53	47	43	43	43					
90°		0		10	51	44	40	51	44	39	50	44	39	39	39					

Beam Angle: 81.4°
Field Angle: 112.6°

JPDZ5 DC 1200LM 3000K 90CRI WWH Input Watts: 15.9, Delivered Lumens: 1280, LPW: 80.5, S/MH: 1.10, Test No: 20-969-4P125



CP Summary		Zonal Lumen Summary				Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	pc	80%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance	
0°	0° - 30°	592	46%	0	119	119	119	116	116	116	111	111	111	111	111	6.0	22.8	10.3	0°	91,644
5°	0° - 40°	911	71%	1	109	106	103	107	104	101	103	100	98	98	98	8.0	12.8	13.8	45°	48,831
15°	0° - 60°	1,239	97%	2	99	94	90	97	93	89	94	90	87	87	87	10.0	8.2	17.2	55°	18,765
25°	0° - 90°	1,280	100%	3	90	84	79	89	83	78	86	81	77	77	77	12.0	5.7	20.7	65°	7,668
35°	90° - 180°	0	0%	4	82	75	70	81	75	70	79	73	69	69	69	14.0	4.2	24.1	75°	3,491
45°	0° - 180°	1,280	100%	5	75	68	63	74	68	63	72	66	62	62	62				85°	1,352
55°		96		6	69	62	57	68	61	56	67	61	56	56	56					
65°		29		7	64	56	51	63	56	51	62	55	51	51	51					
75°		8		8	59	52	47	58	52	47	57	51	47	47	47					
85°		1		9	55	48	43	54	47	43	53	47	43	43	43					
90°		0		10	51	44	40	51	44	39	50	44	39	39	39					

Beam Angle: 81.4°
Field Angle: 112.6°



Podz™ LED Downlight Series

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

PHOTOMETRICS

Distribution Curve

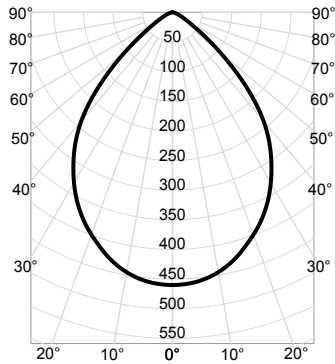
Distribution Data

Output Data

Coefficient of Utilization

Illuminance Data at 30" Above Floor for a Single Luminaire

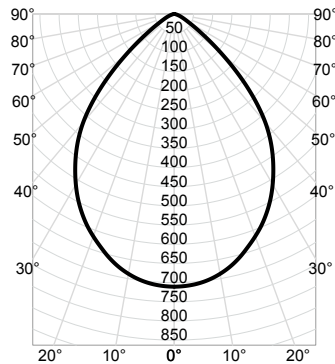
JPDZ5 DC 700LM 3000K 90CRI HZWH Input Watts: 9.3, Delivered Lumens: 719, LPW: 77.3, S/MH: 1.10, Test No: 20-969-4P79



CP Summary		Zonal Lumen Summary		Coefficients of Utilization								Cone of Light			Luminance (cd/sq.m)			
0°	Zone	Lumens	% Fixture	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance	
0°	0° - 30°	332	46%	0	119	119	119	116	116	116	111	111	111	6.0	12.8	10.3	0°	51,479
5°	0° - 40°	512	71%	1	109	106	103	107	104	101	103	100	98	8.0	7.2	13.8	45°	27,430
15°	0° - 60°	696	97%	2	99	94	90	97	93	89	94	90	87	10.0	4.6	17.2	55°	10,541
25°	0° - 90°	719	100%	3	90	84	79	89	83	78	86	81	77	12.0	3.2	20.7	65°	4,307
35°	90° - 180°	0	0%	4	82	75	70	81	75	70	79	73	69	14.0	2.3	24.1	75°	1,961
45°	0° - 180°	719	100%	5	75	68	63	74	68	63	72	66	62				85°	760
55°		54		6	69	62	57	68	61	56	67	61	56					
65°		16		7	64	56	51	63	56	51	62	55	51					
75°		5		8	59	52	47	58	52	47	57	51	47					
85°		1		9	55	48	43	54	47	43	53	47	43					
90°		0		10	51	44	40	51	44	39	50	44	39					

Beam Angle: 81.4°
Field Angle: 112.6°

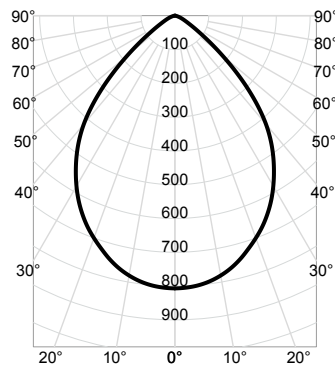
JPDZ5 DC 1000LM 3000K 90CRI HZWH Input Watts: 13.7, Delivered Lumens: 1110, LPW: 81.0, S/MH: 1.10, Test No: 20-969-4P103



CP Summary		Zonal Lumen Summary		Coefficients of Utilization								Cone of Light			Luminance (cd/sq.m)			
0°	Zone	Lumens	% Fixture	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance	
0°	0° - 30°	513	46%	0	119	119	119	116	116	116	111	111	111	6.0	19.7	10.3	0°	79,518
5°	0° - 40°	791	71%	1	109	106	103	107	104	101	103	100	98	8.0	11.1	13.8	45°	42,370
15°	0° - 60°	1,075	97%	2	99	94	90	97	93	89	94	90	87	10.0	7.1	17.2	55°	16,282
25°	0° - 90°	1,110	100%	3	90	84	79	89	83	78	86	81	77	12.0	4.9	20.7	65°	6,654
35°	90° - 180°	0	0%	4	82	75	70	81	75	70	79	73	69	14.0	3.6	24.1	75°	3,029
45°	0° - 180°	1,110	100%	5	75	68	63	74	68	63	72	66	62				85°	1,173
55°		83		6	69	62	57	68	61	56	67	61	56					
65°		25		7	64	56	51	63	56	51	62	55	51					
75°		7		8	59	52	47	58	52	47	57	51	47					
85°		1		9	55	48	43	54	47	43	53	47	43					
90°		0		10	51	44	40	51	44	39	50	44	39					

Beam Angle: 81.4°
Field Angle: 112.6°

JPDZ5 DC 1200LM 3000K 90CRI HZWH Input Watts: 15.9, Delivered Lumens: 1261, LPW: 79.3, S/MH: 1.10, Test No: 20-969-4P127



CP Summary		Zonal Lumen Summary		Coefficients of Utilization								Cone of Light			Luminance (cd/sq.m)			
0°	Zone	Lumens	% Fixture	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance	
0°	0° - 30°	583	46%	0	119	119	119	116	116	116	111	111	111	6.0	22.4	10.3	0°	90,274
5°	0° - 40°	898	71%	1	109	106	103	107	104	101	103	100	98	8.0	12.6	13.8	45°	48,101
15°	0° - 60°	1,220	97%	2	99	94	90	97	93	89	94	90	87	10.0	8.1	17.2	55°	18,485
25°	0° - 90°	1,261	100%	3	90	84	79	89	83	78	86	81	77	12.0	5.6	20.7	65°	7,554
35°	90° - 180°	0	0%	4	82	75	70	81	75	70	79	73	69	14.0	4.1	24.1	75°	3,439
45°	0° - 180°	1,261	100%	5	75	68	63	74	68	63	72	66	62				85°	1,332
55°		95		6	69	62	57	68	61	56	67	61	56					
65°		29		7	64	56	51	63	56	51	62	55	51					
75°		8		8	59	52	47	58	52	47	57	51	47					
85°		1		9	55	48	43	54	47	43	53	47	43					
90°		0		10	51	44	40	51	44	39	50	44	39					

Beam Angle: 81.4°
Field Angle: 112.6°



Podz™ LED Downlight Series

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

PHOTOMETRICS

Distribution Curve

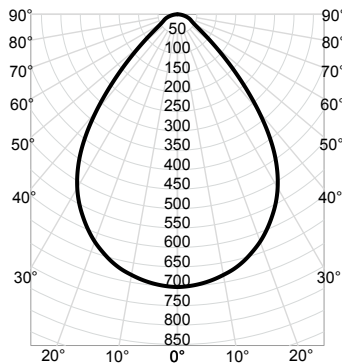
Distribution Data

Output Data

Coefficient of Utilization

Illuminance Data at 30" Above Floor for a Single Luminaire

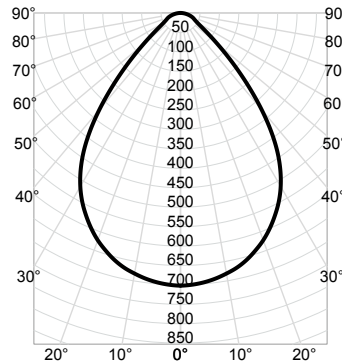
JPDZ5 SQDB 700LM 3000K 90CRI FRPC WWH Input Watts: 9.2, Delivered Lumens: 763, LPW: 82.9, S/MH: 1.11, Test No: 21-608-2P50



CP Summary		Zonal Lumen Summary		Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	pf	80%			20%			50%				Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance
				pc	50%	30%	10%	50%	30%	10%	50%	30%	10%					
0°	0° - 30°	518	45%	0	119	119	119	117	117	117	111	111	111	6.0	19.5	9.7	0°	83,970
5°	0° - 40°	794	69%	1	108	105	102	106	103	100	102	99	97	8.0	11.0	12.9	45°	35,604
15°	0° - 60°	1,071	94%	2	98	93	88	96	91	87	93	89	85	10.0	7.0	16.1	55°	15,242
25°	0° - 90°	1,144	100%	3	89	82	77	87	82	77	85	80	75	12.0	4.9	19.3	65°	11,150
35°	90° - 180°	0	0%	4	81	74	69	80	73	68	77	72	67	14.0	3.6	22.6	75°	11,090
45°	0° - 180°	1,144	100%	5	74	67	61	73	66	61	71	65	60				85°	9,331
55°				6	68	61	55	67	60	55	66	59	55					
65°				7	63	55	50	62	55	50	61	54	50					
75°				8	58	51	46	57	50	46	56	50	45					
85°				9	54	47	42	53	47	42	52	46	42					
90°				10	50	43	39	50	43	39	49	43	38					

Beam Angle: 77.7°
Field Angle: 111.0°

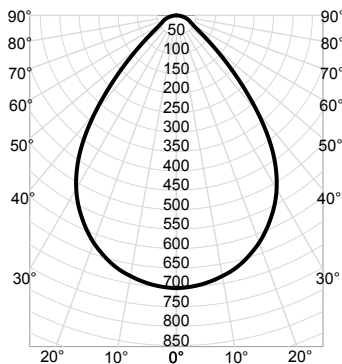
JPDZ5 SQDB 1000LM 3000K 90CRI FRPC WWH Input Watts: 13.7, Delivered Lumens: 1114, LPW: 81.3, S/MH: 1.11, Test No: 21-608-2P44



CP Summary		Zonal Lumen Summary		Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	pf	80%			20%			50%				Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance
				pc	50%	30%	10%	50%	30%	10%	50%	30%	10%					
0°	0° - 30°	518	45%	0	119	119	119	117	117	117	111	111	111	6.0	19.5	9.7	0°	83,970
5°	0° - 40°	794	69%	1	108	105	102	106	103	100	102	99	97	8.0	11.0	12.9	45°	35,604
15°	0° - 60°	1,071	94%	2	98	93	88	96	91	87	93	89	85	10.0	7.0	16.1	55°	15,242
25°	0° - 90°	1,144	100%	3	89	82	77	87	82	77	85	80	75	12.0	4.9	19.3	65°	11,150
35°	90° - 180°	0	0%	4	81	74	69	80	73	68	77	72	67	14.0	3.6	22.6	75°	11,090
45°	0° - 180°	1,144	100%	5	74	67	61	73	66	61	71	65	60				85°	9,331
55°				6	68	61	55	67	60	55	66	59	55					
65°				7	63	55	50	62	55	50	61	54	50					
75°				8	58	51	46	57	50	46	56	50	45					
85°				9	54	47	42	53	47	42	52	46	42					
90°				10	50	43	39	50	43	39	49	43	38					

Beam Angle: 77.7°
Field Angle: 111.0°

JPDZ5 SQDB 1200LM 3000K 90CRI FRPC WWH Input Watts: 15.7, Delivered Lumens: 1316, LPW: 83.8, S/MH: 1.11, Test No: 21-608-2P38



CP Summary		Zonal Lumen Summary		Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	pf	80%			20%			50%				Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance
				pc	50%	30%	10%	50%	30%	10%	50%	30%	10%					
0°	0° - 30°	518	45%	0	119	119	119	117	117	117	111	111	111	6.0	19.5	9.7	0°	83,970
5°	0° - 40°	794	69%	1	108	105	102	106	103	100	102	99	97	8.0	11.0	12.9	45°	35,604
15°	0° - 60°	1,071	94%	2	98	93	88	96	91	87	93	89	85	10.0	7.0	16.1	55°	15,242
25°	0° - 90°	1,144	100%	3	89	82	77	87	82	77	85	80	75	12.0	4.9	19.3	65°	11,150
35°	90° - 180°	0	0%	4	81	74	69	80	73	68	77	72	67	14.0	3.6	22.6	75°	11,090
45°	0° - 180°	1,144	100%	5	74	67	61	73	66	61	71	65	60				85°	9,331
55°				6	68	61	55	67	60	55	66	59	55					
65°				7	63	55	50	62	55	50	61	54	50					
75°				8	58	51	46	57	50	46	56	50	45					
85°				9	54	47	42	53	47	42	52	46	42					
90°				10	50	43	39	50	43	39	49	43	38					

Beam Angle: 77.7°
Field Angle: 111.0°



Podz™ LED Downlight Series

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

PHOTOMETRICS

Distribution Curve

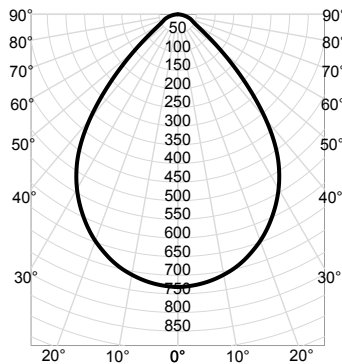
Distribution Data

Output Data

Coefficient of Utilization

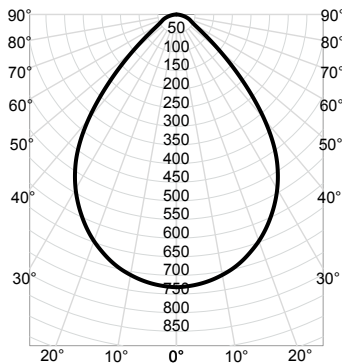
Illuminance Data at 30" Above Floor for a Single Luminaire

JPDZ5 SQDC 700LM 3000K 90CRI FRPC WWH Input Watts: 9.2, Delivered Lumens: 794, LPW: 86.3, S/MH: 1.11, Test No: 21-609-2P32



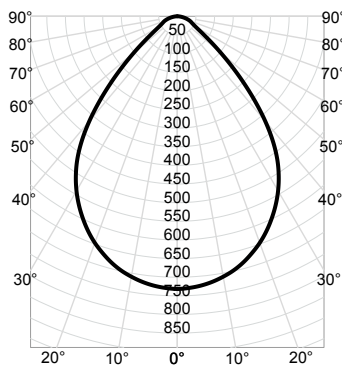
CP Summary		Zonal Lumen Summary		Coefficients of Utilization						Cone of Light			Luminance (cd/sq.m)		
0°	Zone	Lumens	% Fixture	pf pc	80%		20%		50%		Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance	
				pw	50%	30%	10%	50%	30%	10%					
0°	0° - 30°	539	44%	0	119	119	119	117	117	117	6.0	20.3	10.1	0°	87,511
5°	0° - 40°	832	67%	1	108	105	102	106	103	100	8.0	11.4	13.4	45°	42,403
15°	0° - 60°	1,156	93%	2	98	92	88	96	91	87	10.0	7.3	16.8	55°	18,391
25°	0° - 90°	1,238	100%	3	88	82	77	87	81	76	12.0	5.1	20.2	65°	12,452
35°	90° - 180°	0	0%	4	80	73	68	79	72	67	14.0	3.7	23.5	75°	11,783
45°	0° - 180°	1,238	100%	5	73	66	60	72	65	60				85°	8,096
55°		88		6	67	60	54	66	59	54	Beam Angle: 80.1°				
65°		44		7	62	54	49	61	54	49	Field Angle: 114.1°				
75°		26		8	57	50	45	57	50	45					
85°		6		9	53	46	41	53	46	41					
90°		0		10	49	42	38	49	42	38					

JPDZ5 SQDC 1000LM 3000K 90CRI FRPC WWH Input Watts: 13.7, Delivered Lumens: 1158, LPW: 84.5, S/MH: 1.11, Test No: 21-609-2P26



CP Summary		Zonal Lumen Summary		Coefficients of Utilization						Cone of Light			Luminance (cd/sq.m)		
0°	Zone	Lumens	% Fixture	pf pc	80%		20%		50%		Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance	
				pw	50%	30%	10%	50%	30%	10%					
0°	0° - 30°	539	44%	0	119	119	119	117	117	117	6.0	20.3	10.1	0°	87,511
5°	0° - 40°	832	67%	1	108	105	102	106	103	100	8.0	11.4	13.4	45°	42,403
15°	0° - 60°	1,156	93%	2	98	92	88	96	91	87	10.0	7.3	16.8	55°	18,391
25°	0° - 90°	1,238	100%	3	88	82	77	87	81	76	12.0	5.1	20.2	65°	12,452
35°	90° - 180°	0	0%	4	80	73	68	79	72	67	14.0	3.7	23.5	75°	11,783
45°	0° - 180°	1,238	100%	5	73	66	60	72	65	60				85°	8,096
55°		88		6	67	60	54	66	59	54	Beam Angle: 80.1°				
65°		44		7	62	54	49	61	54	49	Field Angle: 114.1°				
75°		26		8	57	50	45	57	50	45					
85°		6		9	53	46	41	53	46	41					
90°		0		10	49	42	38	49	42	38					

JPDZ5 SQDC 1200LM 3000K 90CRI FRPC WWH Input Watts: 15.7, Delivered Lumens: 1369, LPW: 87.2, S/MH: 1.11, Test No: 21-609-2P20



CP Summary		Zonal Lumen Summary		Coefficients of Utilization						Cone of Light			Luminance (cd/sq.m)		
0°	Zone	Lumens	% Fixture	pf pc	80%		20%		50%		Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance	
				pw	50%	30%	10%	50%	30%	10%					
0°	0° - 30°	539	44%	0	119	119	119	117	117	117	6.0	20.3	10.1	0°	87,511
5°	0° - 40°	832	67%	1	108	105	102	106	103	100	8.0	11.4	13.4	45°	42,403
15°	0° - 60°	1,156	93%	2	98	92	88	96	91	87	10.0	7.3	16.8	55°	18,391
25°	0° - 90°	1,238	100%	3	88	82	77	87	81	76	12.0	5.1	20.2	65°	12,452
35°	90° - 180°	0	0%	4	80	73	68	79	72	67	14.0	3.7	23.5	75°	11,783
45°	0° - 180°	1,238	100%	5	73	66	60	72	65	60				85°	8,096
55°		88		6	67	60	54	66	59	54	Beam Angle: 80.1°				
65°		44		7	62	54	49	61	54	49	Field Angle: 114.1°				
75°		26		8	57	50	45	57	50	45					
85°		6		9	53	46	41	53	46	41					
90°		0		10	49	42	38	49	42	38					



Podz™ LED Downlight Series

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

PHOTOMETRICS

Distribution Curve

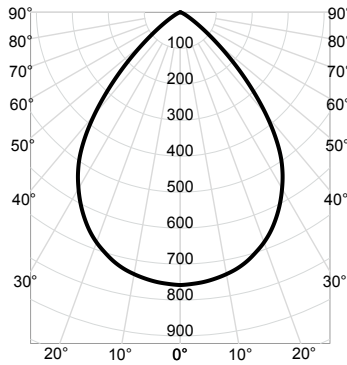
Distribution Data

Output Data

Coefficient of Utilization

Illuminance Data at 30" Above Floor for a Single Luminaire

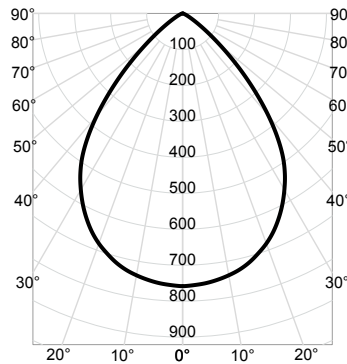
JPDZ5 SQDC 700LM 3000K 90CRI FRPC HZWH Input Watts: 9.2, Delivered Lumens: 763, LPW: 82.9, S/MH: 1.12, Test No: 21-625-2P32



CP Summary				Zonal Lumen Summary				Coefficients of Utilization								Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	pf	pc	80%		20%		50%	50%	50%	50%	50%	50%	Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance	
						pw	50%	30%	10%											50%
0°	0° - 30°	567	48%	0	119	119	119	117	117	117	111	111	111	111	6.0	21.1	10.0	0°	84,946	
5°	0° - 40°	872	73%	1	109	106	104	107	105	102	103	101	99	8.0	11.8	13.3	45°	38,476		
15°	0° - 60°	1,170	98%	2	100	95	91	98	94	90	95	91	88	10.0	7.6	16.6	55°	12,127		
25°	0° - 90°	1,190	100%	3	91	85	80	90	84	80	87	82	78	12.0	5.3	19.9	65°	3,419		
35°	90° - 180°	0	0%	4	83	77	72	82	76	71	80	74	70	14.0	3.9	23.2	75°	1,168		
45°	0° - 180°	1,190	100%	5	76	69	64	75	69	64	73	68	63				85°	514		
55°		62		6	70	63	58	69	63	58	68	62	57							
65°		13		7	65	58	53	64	57	52	63	57	52							
75°		3		8	60	53	48	59	53	48	58	52	48							
85°		0		9	56	49	44	55	49	44	54	48	44							
90°		0		10	52	45	41	51	45	41	51	45	40							

Beam Angle: 79.3°
Field Angle: 107.7°

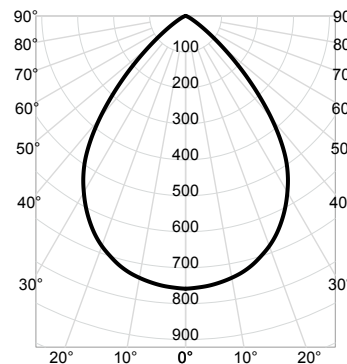
JPDZ5 SQDC 1000LM 3000K 90CRI FRPC HZWH Input Watts: 13.7, Delivered Lumens: 1114, LPW: 81.3, S/MH: 1.12, Test No: 21-625-2P26



CP Summary				Zonal Lumen Summary				Coefficients of Utilization								Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	pf	pc	80%		20%		50%	50%	50%	50%	50%	Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance		
						pw	50%	30%	10%										50%	30%
0°	0° - 30°	567	48%	0	119	119	119	117	117	117	111	111	111	6.0	21.1	10.0	0°	84,946		
5°	0° - 40°	872	73%	1	109	106	104	107	105	102	103	101	99	8.0	11.8	13.3	45°	38,476		
15°	0° - 60°	1,170	98%	2	100	95	91	98	94	90	95	91	88	10.0	7.6	16.6	55°	12,127		
25°	0° - 90°	1,190	100%	3	91	85	80	90	84	80	87	82	78	12.0	5.3	19.9	65°	3,419		
35°	90° - 180°	0	0%	4	83	77	72	82	76	71	80	74	70	14.0	3.9	23.2	75°	1,168		
45°	0° - 180°	1,190	100%	5	76	69	64	75	69	64	73	68	63				85°	514		
55°		62		6	70	63	58	69	63	58	68	62	57							
65°		13		7	65	58	53	64	57	52	63	57	52							
75°		3		8	60	53	48	59	53	48	58	52	48							
85°		0		9	56	49	44	55	49	44	54	48	44							
90°		0		10	52	45	41	51	45	41	51	45	40							

Beam Angle: 79.3°
Field Angle: 107.7°

JPDZ5 SQDC 1200LM 3000K 90CRI FRPC HZWH Input Watts: 15.7, Delivered Lumens: 1316, LPW: 83.8, S/MH: 1.12, Test No: 21-625-2P20



CP Summary				Zonal Lumen Summary				Coefficients of Utilization								Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	pf	pc	80%		20%		50%	50%	50%	50%	50%	Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance		
						pw	50%	30%	10%										50%	30%
0°	0° - 30°	567	48%	0	119	119	119	117	117	117	111	111	111	6.0	21.1	10.0	0°	84,946		
5°	0° - 40°	872	73%	1	109	106	104	107	105	102	103	101	99	8.0	11.8	13.3	45°	38,476		
15°	0° - 60°	1,170	98%	2	100	95	91	98	94	90	95	91	88	10.0	7.6	16.6	55°	12,127		
25°	0° - 90°	1,190	100%	3	91	85	80	90	84	80	87	82	78	12.0	5.3	19.9	65°	3,419		
35°	90° - 180°	0	0%	4	83	77	72	82	76	71	80	74	70	14.0	3.9	23.2	75°	1,168		
45°	0° - 180°	1,190	100%	5	76	69	64	75	69	64	73	68	63				85°	514		
55°		62		6	70	63	58	69	63	58	68	62	57							
65°		13		7	65	58	53	64	57	52	63	57	52							
75°		3		8	60	53	48	59	53	48	58	52	48							
85°		0		9	56	49	44	55	49	44	54	48	44							
90°		0		10	52	45	41	51	45	41	51	45	40							

Beam Angle: 79.3°
Field Angle: 107.7°

5" ROUND LUMEN OUTPUT MULTIPLIERS

CCT	DB WWH	DB BWH	DC WWH	DC CWH	DC WHZWH	DC HZWH
2700K	1.00	0.79	1.05	1.08	1.00	1.00
3000K	1.00	0.79	1.05	1.08	1.00	1.00
3500K	0.99	0.78	1.04	1.08	0.99	0.99
4000K	1.02	0.80	1.07	1.11	1.02	1.02
5000K	1.00	0.78	1.05	1.08	1.00	1.00
Warm Dim	0.96	0.75	1.00	1.04	0.95	0.96

5" SQUARE LUMEN OUTPUT MULTIPLIERS

CCT	DB WWH	DB BWH	DC WWH	DC CWH	DC WHZWH	DC HZWH
2700K	1.04	0.74	1.06	1.08	0.98	1.01
3000K	1	0.74	1.06	1.08	0.98	1.01
3500K	1.07	0.74	1.06	1.08	0.98	1.01
4000K	1.08	0.74	1.06	1.08	0.98	1.01
5000K	0.98	0.74	1.06	1.08	0.98	1.01
Warm Dim	0.88	0.74	1.06	1.08	0.98	1.01