

PILA Flat Downlight Spec Sheet Canada 11/19 page 1 of 3

of any quotation or contract, unless otherwise agreed by Signify.

\* Restrictions on Hazardous Substances (RoHS) is a European directive (2002/95/EC) designed to limit the content of 6 substances [lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), and polybrominated diphenyl ethers (PBDE)] in electrical and electronic products. For products used in North America compliance to RoHS is voluntary and self-certified.

Flange: aluminum alloy, powder coated

Lens: hard acrylic material with diffused

Locking power connection is used to connect J-box and fixture. Standard length of the connection is 11-4/5" (300mm). Extension cable available as accessory.

Compliance

Warranty

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Electronic power supply	RoHS compliant. <sup>*</sup> Isolated driver, grounding. Class 2 power unit. Remote power supply can only accommodate one LED module and canno be shared with other LED module. Fixture can b through wired.
Dimming	Compatible for ELV/TRIAC (120V) dimmers. Philips SR150LED120 TRIAC (100-1%) Leviton IPI06 TRIAC (100%-1%) Leviton 6615P ELV (100%-5%) Lutron DVELV-300P ELV(100%-1%) Lutron NLV1000 TRIAC (100-1%) Lutron PD-6WCL Wireless (100-1%)
Safety class	UL certified
IP rating	UL03 – Wet location
	cULus listed (UL 1598) for wet locations

(covered ceiling only). IC rated for

AirSeal for minimal air leakage.

3-year limited warranty

direct contact with thermal insulation.

	Pro	duct	offe	ring
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Nominal power

Nominal lumens

Power connection

Material and finishing

Input voltage

ССТ

CRI

Weights

Ceiling cutout

Catalog Code	Description	UPC Code	Qty. per SKU	Case Qty. (SKU/case)	Pallet Qty (SKU/pallet)
PILADISC4R30K	Disc light 4" Round 700lm 80 30K 120V DIM 4-Pack	046677600044	4	6	144
PILADISC6R30K	Disc light 6" Round 900lm 80 30K 120V DIM 4-Pack	046677600051	4	6	96

MA

## g

**Technical specifications** 

4": 11W; 6": 13.5W

120VAC

80

4": 3000K

6": 3000K

4": 700lm; 6": 900lm

in white (RAL9003)

4": 0.99lbs.; 6": 1.35lbs.

4": 4 1/3" (110mm) diameter

6": 6 2/9" (158mm) diameter

light pattern.

Catalog Code	Description	UPC Code	Qty. per SKU	Case Qty. (SKU/case)	Pallet Qty (SKU/pallet)
PILADISC4R30K	Disc light 4" Round 700lm 80 30K 120V DIM 4-Pack	046677600044	4	6	144
PILADISC6R30K	Disc light 6" Round 900lm 80 30K 120V DIM 4-Pack	046677600051	4	6	96

4-pack!

Project: Location: Cat.No: Type: Lamps Qty: Notes



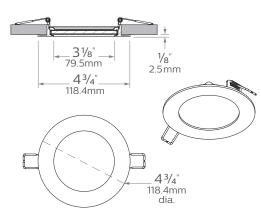
Luminaire Flat Downlight



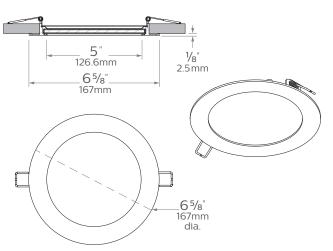


## **Dimensions**

Flat Downlight 4"



Flat Downlight 6"



## Components

- 1. Electrical Box with knockouts
- 2. Mounting keyhole
- 3. Remodel NEC\* clip
- 4. 11.8"(0.3m) cord
- 5. Locking power connector
- 6. Integrated LED Luminaire
- 7. Spring clip for easy mounting

\* National Electric Code

## Frame plate

2

Compatible with	Part Number(s)
New construction plate	FDRN
Extension cable	FD06C, FD20C

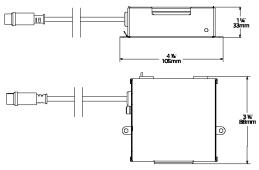
**6** 

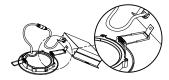
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4

## Junction box

Remodeler applications: attach junction box clip to installation spring to assure NEC compliance.





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www.pila-led.com/en-ca www.pila-led.com/fr-ca

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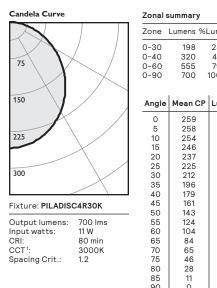


## **Photometry**

# 4-inch, 700lm, 80 CRI, 120V-3000K

75

0



Zonals	summary		Single unit data							
	Lumens %l		Height to lighted plane	Initial center beam foot-candles	Beam diameter (					
0-30 0-40 0-60 0-90	198 28.3%   320 45.7%   555 79.3%   700 100.0%		5' 6' 7' 8' 9'	10 7 5 4 3	6.0' 7.2' 8.4' 9.6' 10.8'					
Angle	Mean CP	Lumens	* De em alieme	ter is where foot-						
0 5 10 15 20	259 258 254 246 237	24 69		6 of maximum.	Candles					
25 30	225 212	104	Spacing on center	Initial center beam foot-candles	Watts per sq. f					
35 40 45 50	196 179 161 143	123 125	5' 6' 7'	28.0 19.0 13.0	0.49 0.32 0.23					
55 60	124 104	111	8' 9'	11.0 9.0	0.19 0.15					
65	84	83	38' x 38' x 10'	Room Workplane	2.5'					

38' x 38' x 10' Room, Workplane 2.5' above floor, 80/50/20% Reflectances

Efficacy: 63.6 lm/w Report<sup>2</sup>: 9290022700

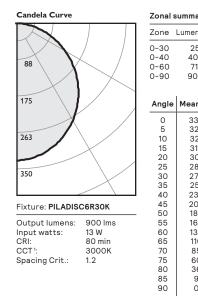
### Coefficients of utilization

(ft)\*

ft

Ceiling 80%			70%		50%		30%		0%		
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR Zonal cavity me			ethod	I – Eff	ectiv	e floo	r refl	ectan	ce = :	20%	
0	119	119	119	119	116	116	111	111	106	106	100
0 1	109	104	99	95	101	94	97	91	93	88	83
₩ <u>2</u>	99	90	83	77	88	76	85	75	81	73	69
<u>∝</u> 3	90	79	71	64	77	63	74	62	72	61	58
£_4	82	70	61	54	69	54	66	53	64	52	49
æ 5	75	62	53	47	61	46	59	46	57	45	43
0 6	70	56	47	41	55	40	53	40	52	40	37
Room Cavity Ratio 8 2 9 5 7 5 -	65	51	42	36	50	36	48	35	47	35	33
£ 8	60	46	38	32	46	32	44	32	43	31	29
9	56	43	34	29	42	29	41	28	40	28	26
10	53	39	31	26	39	26	38	26	37	26	24

# 6-inch, 900lm, 80 CRI, 120V-3000K



5	ummary		Single unit data						
Lumens %Luminaire				Height to Initial center beam Beam lighted plane foot-candles diameter (f					
	25127.9%40845.3%71279.1%900100.0%								
			5'	13	6.0'				
			6'	9	7.2'				
			7'	7	8.4'				
			8'	5	9.6'				
	Mean CP Lumens		9'	4	10.8'				
				ter is where foot-	candles				
	330								
		20	drop to 50%	or maximum.					
	327	28	drop to 50%	or maximum.					
	327 321		drop to 50%	or maximum.					
	327 321 313	28 80	drop to 50% Multiple unit d						
	327 321 313 301	80	Multiple unit d	lata - RCR 2					
	327 321 313 301 287		Multiple unit d	lata - RCR 2 Initial center beam	Watts				
	327 321 313 301 287 270	80 122	Multiple unit d	lata - RCR 2	Watts per sq. ft.				
	327 321 313 301 287 270 251	80	Multiple unit d	lata - RCR 2 Initial center beam					
	327 321 313 301 287 270 251 230	80 122 147	Multiple unit d Spacing on center	lata - RCR 2 Initial center beam foot-candles	per sq. ft.				
	327 321 313 301 287 270 251 230 208	80 122	Multiple unit d Spacing on center 5'	lata - RCR 2 Initial center beam foot-candles 36.0	per sq. ft. 0.58				
	327 321 313 301 287 270 251 230 208 185	80 122 147 121	Multiple unit d Spacing on center 5' 6'	lata - RCR 2 Initial center beam foot-candles 36.0 24.0	0.58 0.38				
	327 321 313 301 287 270 251 230 208 185 160	80 122 147	Multiple unit d Spacing on center 5' 6' 7'	lata - RCR 2 Initial center beam foot-candles 36.0 24.0 17.0	0.58 0.38 0.27				
	327 321 313 301 287 270 251 230 208 185 160 135	80 122 147 121 68	Multiple unit d Spacing on center 5' 6' 7' 8' 9'	lata - RCR 2 Initial center beam foot-candles 36.0 24.0 17.0 14.0 11.0	per sq. ft. 0.58 0.38 0.27 0.23 0.18				
	327 321 313 301 287 270 251 230 208 185 160 135 110	80 122 147 121	Multiple unit d Spacing on center 5' 6' 7' 8' 9'	lata - RCR 2 Initial center beam foot-candles 36.0 24.0 17.0 14.0	per sq. ft. 0.58 0.38 0.27 0.23 0.18				
	327 321 313 301 287 270 251 230 208 185 160 135	80 122 147 121 68	Multiple unit d Spacing on center 5' 6' 7' 8' 9' 38' x 38' x 10' F	lata - RCR 2 Initial center beam foot-candles 36.0 24.0 17.0 14.0 11.0	per sq. ft. 0.58 0.38 0.27 0.23 0.18 2.5'				

Coefficients of utilization

Ceiling		80%				70%		50%		30%		0%
Wall		70	50	30	10	50	10	50	10	50	10	0
RCR		Zon	al cav	rity me	ethoc	- Eff	ectiv	e floo	r refl	ectar	ice = 2	20%
	0	119	119	119	119	116	116	111	111	106	106	100
0	1	109	104	99	95	101	94	97	91	93	88	83
Ratio	2	99	90	83	77	88	76	85	75	81	73	69
Ř	3	90	79	71	64	77	63	74	62	72	61	58
Ϊť	4	82	70	61	54	69	54	66	53	64	52	49
Cavity	5	75	62	53	47	61	46	59	46	57	45	43
õ	6	70	56	47	41	55	40	53	40	52	40	37
Room	7	65	51	42	36	50	36	48	35	47	35	33
å	8	60	46	38	32	46	32	44	32	43	31	29
	9	56	43	34	29	42	29	41	28	40	28	26
	10	53	39	31	26	39	26	38	26	37	26	24

# Efficacy: 69.2 lm/w Report<sup>2</sup>: 9290022706

1. Correlated Color Temperature within specs as defined in ANSI\_NEMA\_ANSLG C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products. 2. Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.

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