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

PILA Retrofit Downlight Spec Sheet 11/19 page 1 of 3

# **Retrofit Downlight**

Luminaire

	Project:	
	Location:	
	Cat.No:	
	Туре:	
0	Lamps:	Qty:
	Notes:	

## **Product offering**

6-pack!

Catalog Code	Description	UPC Code	Qty. per SKU	Case Qty. (SKU/case)	Pallet Qty (SKU/pallet)
PILARETR4R30K	PILA RFit 4" Rd 600lm 80 30K 120V DIM 6-Pack	046677600068	6	4	48
PILARETR56R30K	PILA RFit 5/6" Rd 650lm 80 30K 120V DIM 6-Pack	046677600075	6	4	32

6-pack!

### **Technical specifications**

Nominal power	4": 7.5W; 6": 7.5W
Nominal lumens	4": 600lm; 6": 650lm
Input voltage	120VAC
сст	4": 3000K 6": 3000K
CRI	80
Power connection	Trim features quick connect plug installed as standard. Trim ships with a medium base socket adapter whip for installation into incandescent housings with medium base sockets.
Material and finishing	Flange: One piece self flange spun aluminum. White painted. Lens: High transmittance lens allowing for smooth, comfortable light pattern.
Weights	4": 0.45lbs.; 6": 0.72lbs.
Friction blades/ Torsion springs	Stainless steel

Electronic power supply	RoHS compliant.' Class 2 power unit for use in dry and damp locations.				
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 classified				
IP rating	UL02 – Damp location				
Compliance	cULus listed (UL 1598) for damp locations (covered ceiling only). IC rated for direct contact with thermal insulation. AirSeal for minimal air leakage.				
Warranty	3-year limited warranty				

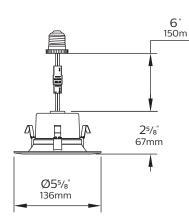
\* Restrictions on Hazardous Substances (RoHS) is a European directive (2002/95/EC) designed to limit the content of 6 substances [lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), and polybrominated diphenyl ethers (PBDE)] in electrical and electronic products. For products used in North America compliance to RoHS is voluntary and self-certified. ©2019 Signify Holding. All rights reserved. The information provided herein is subject to change, without notice. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify.

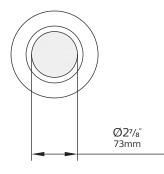


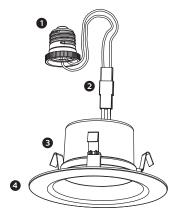


## **Dimensions**

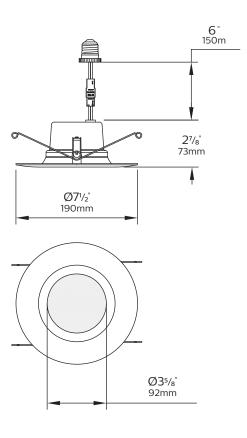
Retrofit Downlight 4"







#### Retrofit Downlight 5/6"



#### Components

- 1. E26 cap
- 2. Flexible wiring UL connector
- 3. Friction blades or torsion springs for mounting
- 4. LED retrofit kit

©2019 Signify Holding. All rights reserved. The information provided herein is subject to change, without notice. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify.

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

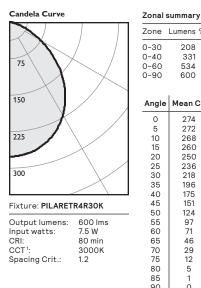
PILA Retrofit Downlight Spec Sheet 11/19 page 2 of 3



# **Photometry**

# 4-inch, 600lm, 80 CRI, 120V-3000K

75



Zonals	ummary		Single unit data					
Zone	Lumens %l	_uminaire	Height to lighted plane	Initial center beam foot-candles	Beam diameter (ft)*			
0-30	208	34.7%	ingriced plane					
0-40	331	55.2%	5'	11	6.0'			
0-60	534	89.0%	6'	8	7.2'			
0-90	600	100.0%	7'	6	8.4'			
			8'	4	9.6'			
			9'	3	10.8'			
Angle	Mean CP	Lumens	* Beam diameter is where foot-candles					
0	274			6 of maximum.	canules			
5	272	26						
10	268							
15	260	73	Multiple costs					
20	250		Multiple unit					
25	236	108	Spacing	Initial center beam	Watts			
30	218		on center	foot-candles	per sq. ft.			
35	196	124			1			
40	175		5'	25.0	0.33			
45	151	116	6'	17.0	0.22			
50	124		7'	12.0	0.16			
55	97	87	8'	10.0	0.13			
60	71		9'	9' 8.0 0				
65	46	48	201 ··· 201 ··· 101 Dears Markelana 2 El					

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

Efficacy: 80.0 lm/w

Report<sup>2</sup>: 9290022892

#### Coefficients of utilization

Ceiling	ling 80%		70%		50%		30%		0%		
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR Zonal cavity method -						ectiv	e floo	r refl	ectar	ce = :	20%
0	119	119	119	119	116	116	111	111	106	106	100
0 1	111	107	103	100	101	98	100	95	96	92	88
÷۲ 2	102	95	89	84	88	83	90	81	86	79	76
<u>۳</u> 3	94	85	77	72	76	71	80	70	78	69	66
£_4	87	76	68	62	67	61	72	61	70	60	57
æ 5	80	68	60	54	60	54	65	53	63	53	50
0 6	74	62	54	48	53	48	59	47	58	47	45
Room Cavity Ratio 8 2 9 5 4 2 7 -	69	57	48	43	48	43	54	42	53	42	40
r 8	64	52	44	38	44	38	50	38	49	38	36
- 9	60	48	40	35	40	35	46	34	45	34	32
10	57	44	37	32	36	32	43	31	42	31	30

# 5/6-inch, 650lm, 80 CRI, 120V-3000K Zonals

Zone 0-30 0-40

0-60 0-90

Angle 5

15 20

30 35

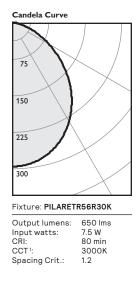
45

60

75

90

0



s	ummary		Single unit da	ta					
	Lumens %Luminaire		Height to Initial center beam Beam lighted plane foot-candles diameter						
	220	33.8%							
	351	54.0%	5'	12	6.0'				
	568	87.4%	6'	8	7.2'				
	650	100.0%	7'	6	8.4'				
			8'	5	9.6'				
i		I	9'	4	10.8'				
	Mean CP	Lumens	* Beam diamo	ter is where foot-	candles				
	294			of maximum.	canules				
	292	28	urop to 50%						
	287	20							
	277	78							
	265	/0	Multiple unit o	lata - RCR 2					
	203	115	0	1.99.1	141 . 1.1 .				
	230	115	Spacing	Initial center beam	Watts				
	209	130	on center	foot-candles	per sq. ft.				
	185	130	5'	27.0	0.33				
	159	123	6'	18.0	0.22				
	132	123	7'	13.0	0.16				
		94	8'	11.0	0.13				
	106	94	9'	9.0	0.10				
	81	50	9	9.0	0.10				
	56	58	38' x 38' x 10'	Room, Workplane	2.5'				
	37			0/50/20% Reflec					
	19	22	4201011001,0	0, 00, 20,0 101100					
	8		Efficacy: 86	7lm/w					

Efficacy:

Report<sup>2</sup>:

Coefficients of utilization

iling	80%		70%		50%		30%		0%		
11	70	50	30	10	50	10	50	10	50	10	0
R	Zon	al cav	ity m	ethoo	I – Eff	ectiv	e floo	r refl	ectar	ce = :	20%
0	119	119	119	119	116	116	111	111	106	106	100
1	110	106	103	99	104	98	100	95	96	92	87
2	102	94	88	83	92	82	89	80	86	79	75
3	93	84	77	71	82	70	79	69	77	68	65
4	86	75	67	61	74	61	71	60	69	59	56
5	80	68	59	53	67	53	65	52	63	52	49
6	74	61	53	47	60	47	59	46	57	46	44
7	69	56	48	42	55	42	54	41	52	41	39
8	64	51	43	38	51	38	49	37	48	37	35
9	60	47	39	34	47	34	45	34	44	34	32
10	56	44	36	31	43	31	42	31	41	31	29
	1 2 3 4 5 6 7 8	II 70   R Zon   0 119   1 110   2 102   3 93   4 86   5 80   6 74   7 69   8 64   9 60	III 70 50   R Zonal cav   0 119 119   1 110 106   2 102 94   3 93 84   4 86 75   5 80 68   6 74 61   7 69 56   8 64 51   9 60 47	II 70 50 30   R Zonal cavity m 10 119 119 119   1 110 106 103 2 102 94 88 3 93 84 77 4 86 75 67 5 80 68 59 6 74 61 53 7 69 56 48 8 64 51 43 9 60 47 39 9 60 47 39 39 30 <	II 70 50 30 10   R Zonal cavity method   0 119 119 119   1 110 106 103 99   2 102 94 88 83   3 93 84 77 71   4 86 75 67 61   5 80 68 59 53   6 74 61 53 47   7 69 56 48 42   8 64 51 43 38   9 60 47 39 34	II 70 50 30 10 50   R Zonal cavity method - Eff   0 119 119 119 116   1 110 106 103 99 104   2 102 94 88 83 92   3 93 84 77 71 82   4 86 75 67 61 74   5 80 68 59 53 67   6 74 61 53 47 60   7 69 56 48 42 55   8 64 51 43 38 51   9 60 47 39 34 47	B Construction SO SO SO TO SO TO   R Zonal cavity method - Effective   0 119 119 119 119 116 116   1 110 106 103 99 104 98   2 102 94 88 83 92 82   3 93 84 77 71 82 70   4 86 75 67 61 74 61 53 67 54 48 55 42 8 64	B C SO <td>0 50 30 10 50 10 50 10   R Zonal cavity method - Effective floor refl   0 119 119 119 116 116 111 111   1 110 106 103 99 104 98 100 95   2 102 94 88 83 92 82 89 80   3 93 84 77 71 82 70 79 69   4 86 75 67 61 74 61 71 60   5 80 68 59 53 67 53 65 52   6 74 61 53 47 60 47 59 46   7 69 56 48 42 55 42 54 41   8 64 51 43 38 51 38 49 37</td> <td>0 5 0 30 10 50 10 50 10 50   R Zonal cavity method - Effective floor reflectar   0 119 119 119 116 116 111 111 106   1 110 106 103 99 104 98 100 95 96   2 102 94 88 83 92 82 89 80 86   3 93 84 77 71 82 70 79 69 77   4 86 75 67 61 74 61 71 60 69   5 80 68 59 53 67 53 65 52 63   6 74 61 53 47 60 47 59 46 57   7 69 56 48 42 55 42 54 41 52<td>0 50 30 10 50 10 50 10   R Zonal cavity method - Effective floor reflectance = 3   0 119 119 119 116 116 111 111 106 106 10   1 110 106 103 99 104 98 100 95 96 92   2 102 94 88 83 92 82 89 80 86 79   3 93 84 77 71 82 70 79 69 77 68   4 86 75 67 61 74 61 73 65 52 63 52   5 80 68 59 53 67 53 65 52 63 52   6 74 61 53 47 60 47 59 46 57 46   7 69</td></td>	0 50 30 10 50 10 50 10   R Zonal cavity method - Effective floor refl   0 119 119 119 116 116 111 111   1 110 106 103 99 104 98 100 95   2 102 94 88 83 92 82 89 80   3 93 84 77 71 82 70 79 69   4 86 75 67 61 74 61 71 60   5 80 68 59 53 67 53 65 52   6 74 61 53 47 60 47 59 46   7 69 56 48 42 55 42 54 41   8 64 51 43 38 51 38 49 37	0 5 0 30 10 50 10 50 10 50   R Zonal cavity method - Effective floor reflectar   0 119 119 119 116 116 111 111 106   1 110 106 103 99 104 98 100 95 96   2 102 94 88 83 92 82 89 80 86   3 93 84 77 71 82 70 79 69 77   4 86 75 67 61 74 61 71 60 69   5 80 68 59 53 67 53 65 52 63   6 74 61 53 47 60 47 59 46 57   7 69 56 48 42 55 42 54 41 52 <td>0 50 30 10 50 10 50 10   R Zonal cavity method - Effective floor reflectance = 3   0 119 119 119 116 116 111 111 106 106 10   1 110 106 103 99 104 98 100 95 96 92   2 102 94 88 83 92 82 89 80 86 79   3 93 84 77 71 82 70 79 69 77 68   4 86 75 67 61 74 61 73 65 52 63 52   5 80 68 59 53 67 53 65 52 63 52   6 74 61 53 47 60 47 59 46 57 46   7 69</td>	0 50 30 10 50 10 50 10   R Zonal cavity method - Effective floor reflectance = 3   0 119 119 119 116 116 111 111 106 106 10   1 110 106 103 99 104 98 100 95 96 92   2 102 94 88 83 92 82 89 80 86 79   3 93 84 77 71 82 70 79 69 77 68   4 86 75 67 61 74 61 73 65 52 63 52   5 80 68 59 53 67 53 65 52 63 52   6 74 61 53 47 60 47 59 46 57 46   7 69

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.

86.7lm/w

©2019 Signify Holding. All rights reserved. The information provided herein is subject to change, without notice. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any of any quotation or contract, unless otherwise agreed by Signify.

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