

# FEATURES

## OPTICAL SYSTEM

- Reflector- Self-flanged, specular or semi-diffuse reflector. Bounding Ray™ Optical Principle design provides lamp before lamp image and smooth transition from top of reflector to bottom.
- Patent-pending integrated snoot and optical system minimizes lamp striations normally associated with PAR lamps and creates visually pleasing scallops on vertical surfaces.

## MECHANICAL SYSTEM

- 16-gauge galvanized steel mounting/plaster frame. Adjustable yoke and tempered steel flat spring utilized to retain optical system. Accommodates up to 1-5/8" thick ceiling with no modifications.
- 16-gauge galvanized steel mounting bars provide continuous vertical and horizontal adjustment and are held in place with tool-less, cam-action, locking brackets. Post installation adjustment possible from above or below the ceiling. Shipped pre-installed.
- 16-gauge galvanized steel junction box with hinged access covers. Two combination 1/2-3/4" and four 1/2" knock-outs for straight-through conduit runs. Capacity: 8 (4 in, 4 out) No. 12 AWG conductors rated for 90°C.

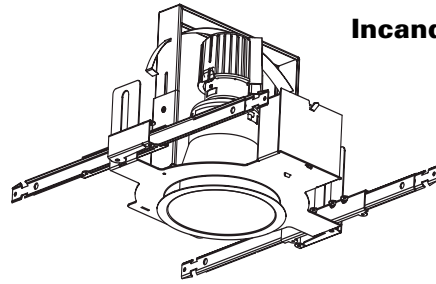
## ELECTRICAL SYSTEM

- Die-cast aluminum lampholder housing.
- Medium base porcelain socket with nickel-plated screw shell.
- Thermally-activated insulation detector.

## LISTING

- Fixtures are UL Listed for thru-branch wiring, non-IC recessed mounting and damp locations. Listed and labeled to comply with Canadian Standards.

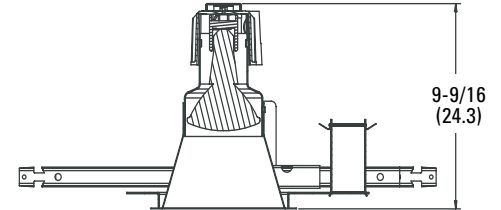
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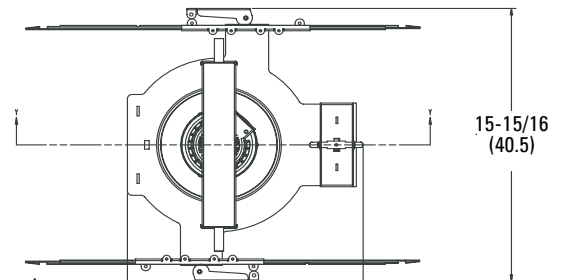
**Incandescent Downlights**

**6" APR**

**Open Reflector  
PAR30**



Aperture: 6-1/4 (15.9)  
Ceiling Opening: 6-7/8 (17.5)  
Overlap Trim: 5-7/16 (13.8)



All dimensions are inches (centimeters).

Example: **APR PAR30 6AR**

# ORDERING INFORMATION

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line. Order accessories as separate catalog numbers (shipped separately).

APR		PAR30							
Series	Lamp designation	Aperture/Trim color		Finish		Options			
<b>APR</b>	<b>PAR30</b> PAR30 (75W max.)	<b>6AR</b> Clear		(blank) Specular		<b>TRW</b> White painted flange.			
		<b>6BR</b> Black		<b>LD</b> Semi-diffuse		<b>LRC<sup>1</sup></b> Provides compatibility with Lithonia Reloc® System. Lithonia Reloc System can be installed less this option with connectors provided by others. Access above ceiling required.			
		<b>6PR</b> Pewter				<b>CP</b> Chicago Plenum.			
		<b>6WTR</b> Wheat				<b>SDT</b> 277V to 120V stepdown transformer.			
		<b>6UBR</b> Umber				<b>SDT347</b> 347 to 120V stepdown transformer.			
		<b>6GR</b> Gold				<b>GSKT</b> Foam gasketing.			
		<b>6CR</b> Champagne gold							

### Accessories

**SC6FL** Sloped Ceiling adaptor. Degree of slope must be specified (10D, 15D, 20D, 25D, 30D). Ex: SC6FL 10D.

NOTE

1 For compatible Reloc systems, refer to Technical Bulletins tab.

# 6" APR Open Reflector

Distribution curve	Distribution data	Output data	Coefficient of utilization	Single luminaire data 30" above floor	
<b>APR 6AR, 50W PAR30LN/SP-10° lamp, 0.1 spacing criteria, 580 rated lumens, test no. ltl12910</b>					
	cp	Lumens	Zone Lumens % Lamp	pf	
				20%	
				pc 80% 70% 50%	
				pw 50% 30% 50% 30% 50% 30%	
	0°	8050	0° - 30° 456 78.7	0 95 95 93 93 89 89	50% beam - 8.0' 10% beam - 24.1' Initial FC Mounting Center Height Beam Diameter FC Diameter FC 8 266.1 0.8 132.9 2.4 26.6 10 143.1 1.0 71.5 3.2 14.3 12 89.2 1.3 44.6 4.1 8.9 14 60.9 1.6 30.4 4.9 6.1 16 44.2 1.9 22.1 5.8 4.4
	5°	3175 247	0° - 40° 459 79.1	1 91 89 89 88 86 85	
	15°	577 163	0° - 60° 460 79.4	2 87 85 86 84 83 82	
	25°	91 46	0° - 90° 462 79.7	3 84 81 83 81 81 79	
	35°	3 3	90° - 180° 0 0.0	4 81 79 81 78 79 77	
	45°	1 1	0° - 180° 462 *79.7	5 79 76 79 76 77 75	
	55°	0 0	*Total Efficiency	6 77 74 77 74 76 73	
	65°	1 1		7 75 73 75 72 74 72	
	75°	1 1		8 74 71 73 71 73 70	
85°	0 0		9 72 70 72 69 71 69		
90°	0 0		10 71 68 71 68 70 68		

Distribution curve	Distribution data	Output data	Coefficient of utilization	Single luminaire data 30" above floor	
<b>APR 6AR, 75W PAR30LN/CAP/NSP/9 lamp, 0.1 spacing criteria, 1100 rated lumens, test no. ltl12836</b>					
	cp	Lumens	Zone Lumens % Lamp	pf	
				20%	
				pc 80% 70% 50%	
				pw 50% 30% 50% 30% 50% 30%	
	0°	22512	0° - 30° 915 83.2	0 102 102 100 100 96 96	50% beam - 6.0' 10% beam - 20.4' Initial FC Mounting Center Height Beam Diameter FC Diameter FC 8 744.2 0.6 372.5 2.0 74.4 10 400.2 0.8 200.3 2.7 40.0 12 249.4 1.0 124.8 3.4 24.9 14 170.2 1.2 85.2 4.1 17.0 16 123.5 1.4 61.8 4.9 12.3
	5°	6528 534	0° - 40° 938 85.3	1 98 96 96 95 93 92	
	15°	1000 292	0° - 60° 944 85.8	2 94 92 93 91 90 88	
	25°	175 89	0° - 90° 947 86.1	3 91 88 90 87 88 86	
	35°	26 23	90° - 180° 0 0.0	4 88 85 87 84 85 83	
	45°	4 4	0° - 180° 947 *86.1	5 86 83 85 82 84 81	
	55°	2 1	*Total Efficiency	6 83 80 83 80 82 79	
	65°	4 1		7 81 78 81 78 80 78	
	75°	0 1		8 80 77 79 77 79 76	
85°	0 1		9 78 75 78 75 77 75		
90°	0 0		10 77 74 76 74 76 73		

Distribution curve	Distribution data	Output data	Coefficient of utilization	Single luminaire data 30" above floor	
<b>APR 6AR, 75W PAR30LN/CAP/WFL/50 lamp, 0.7 spacing criteria, 1130 rated lumens, test no. ltl12837</b>					
	cp	Lumens	Zone Lumens % Lamp	pf	
				20%	
				pc 80% 70% 50%	
				pw 50% 30% 50% 30% 50% 30%	
	0°	1668	0° - 30° 748 66.2	0 97 97 95 95 91 91	50% beam - 36.6' 10% beam - 66.8' Initial FC Mounting Center Height Beam Diameter FC Diameter FC 8 55.1 3.6 27.6 7.3 5.5 10 29.7 5.0 14.8 9.9 3.0 12 18.5 6.3 9.2 12.5 1.8 14 12.6 7.6 6.3 15.2 1.3 16 9.2 8.9 4.6 17.8 0.9
	5°	1532 137	0° - 40° 897 79.4	1 91 89 89 88 86 85	
	15°	1080 301	0° - 60° 924 81.7	2 85 82 84 81 81 79	
	25°	688 309	0° - 90° 924 81.7	3 80 77 79 76 77 74	
	35°	230 150	90° - 180° 0 0.0	4 76 72 75 71 73 70	
	45°	21 25	0° - 180° 924 *81.7	5 71 67 71 67 69 66	
	55°	1 1	*Total Efficiency	6 68 63 67 63 66 62	
	65°	0 0		7 64 60 64 59 63 59	
	75°	0 0		8 61 56 60 56 60 56	
85°	0 0		9 58 53 57 53 57 53		
90°	0 0		10 55 51 55 51 54 50		

**NOTE**  
 Tested to current IES and NEMA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory data and actual field measurements. Dimensions and specifications are based on the most current available data and are subject to change without notice.

DINC-425

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