

DESCRIPTION

A very low brightness 6-inch diameter downlight for use with PAR30/38 or A19/A21 LED lamps. The modular housing system supports various downlight, wallwash, and lens reflectors.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Reflector/Baffle

Positive reflector mounting pulls trim tight to ceiling. 0.050" spun aluminum reflector. Available in a variety of Alzak® finishes. Painted white finish as well as white or black baffles.

Trim Ring

Self flanged or molded white trim ring. Metal trim ring and rimless trim ring accessories available (see Options and Accessories).

Socket Cap

One piece heat dissipating die-cast aluminum.

Housing

Precision die-cast aluminum 1-1/2" (38mm) deep collar. Optical assembly adjusts within the housing to accommodate ceilings up to 4-1/4" (108mm) thick.

Universal Mounting Bracket

Accepts 1/2" EMT, C Channel, T bar fasteners and hanger bars. Provides 5" total adjustment.

Conduit Fittings

Die-cast screw tight connectors.

Junction Box

U.L. listed for four in, four out #12 at 90°C pull through branch wiring. Pry-outs for four 1/2" and two 3/4" conduits. Access to junction box by removing reflector.

Socket

Medium base porcelain socket with nickel plated screw shell.

Insulation Detector

Self-resetting insulation detector opens circuit if insulation is improperly installed.

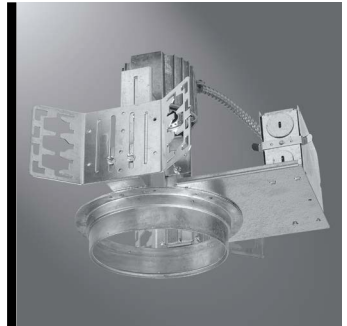
Options & Accessories

TRM=Metal Trim Rings to replace molded trim ring.

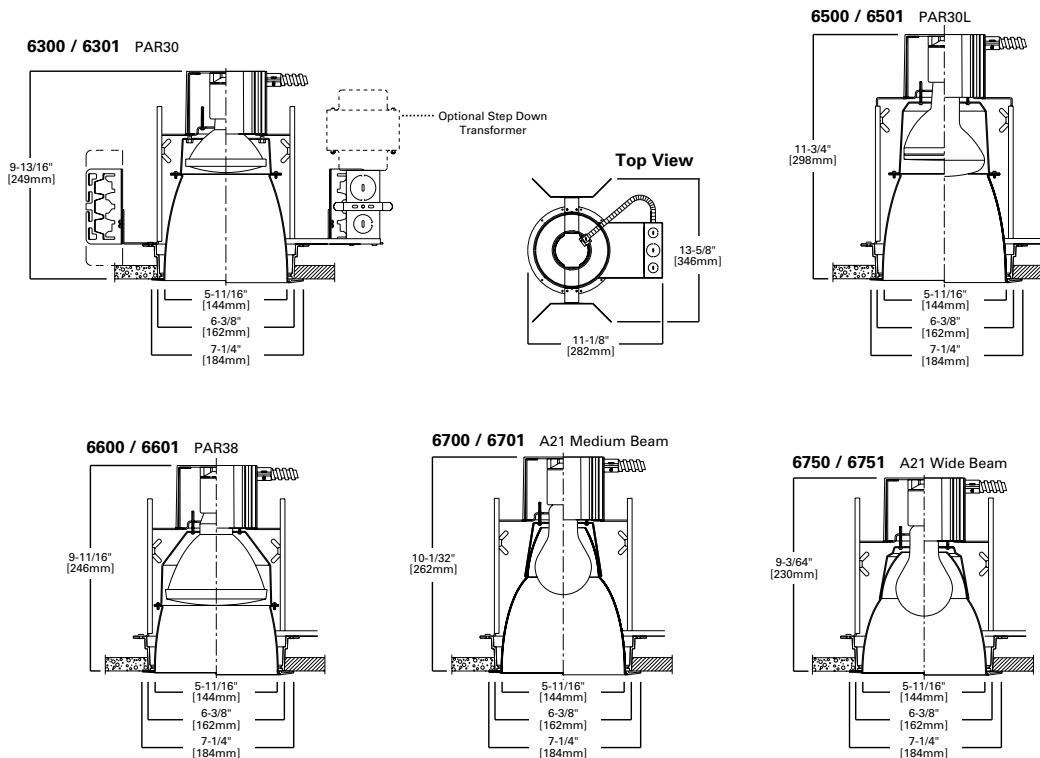
TRR=Rimless Trim Rings for minimal flange appearance in plaster ceilings.

Labels

cULus listed, damp location



DIMENSIONS



HD6
6300/6301
6500/6501
6600/6601
6700/6701
6750/6751

12 - 30W
 PAR30
 PAR38
 A19
 A21

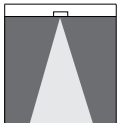
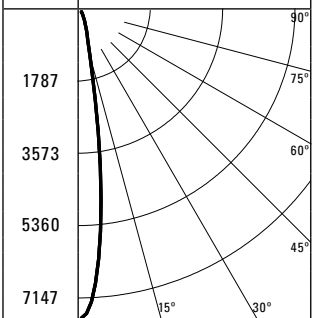
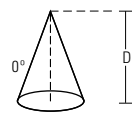
6-Inch Downlight

ORDERING INFORMATION

Housing	Options	Max Wattage Label	Reflector	Finish	Option	Accessories
HD6 =6" Incandescent	CP =Chicago Plenum	WL12 =12W WL20 =20W WL25 =25W ² WL30 =30W ³	6301 =PAR30 Self Flanged 6300 =PAR30 Molded Trim Ring 6501 =PAR30L Self Flanged 6500 =PAR30L Molded Trim Ring 6601 =PAR38 Self Flanged 6600 =PAR38 Molded Trim Ring 6701 =A21 Medium Beam Self Flanged 6700 =A21 Medium Beam Molded Trim Ring 6751 =A21 Wide Beam Self Flanged 6750 =A21 Wide Beam Molded Trim Ring	B =Specular Black GPH =Graphite Haze H =Semi-Specular Clear LI =Specular Clear MW =Matte White WH =Wheat WMH =Warm Haze BB =Black Baffle (trim ring versions) ¹ WB =White Baffle (trim ring versions) ¹	WF =White Painted Flanged (Self Flanged only)	H277 =Step Down Transformer, 300VA Max HB26 =C Channel Bar Hangers, 26" Long, Pair HB50 =C Channel Bar Hangers, 50" Long, Pair TRM6 =Metal Trim Ring, Specify Finish TRR6 =Rimless Trim Ring, White RMB-22 =Wood Joist Bar Hanger, 22" Long, Pair HSA6 =Slope Adapter for 6" Aperture Housings, Specify Slope

Note: 1. Not available with 6750.
2. 6500/6600 only.
3. 6600 only.

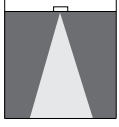
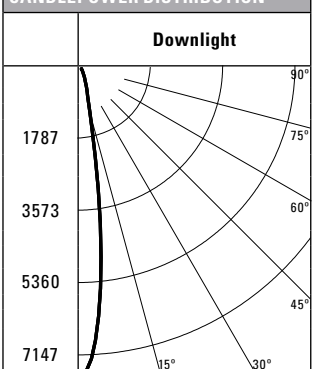
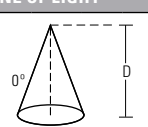
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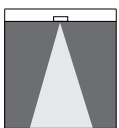
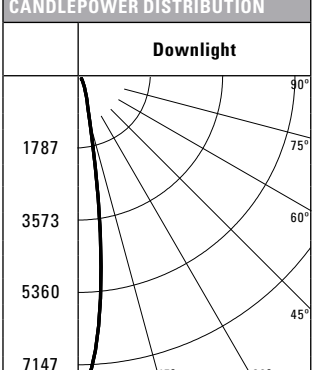
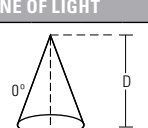
<p>Test Number G1-1710-386-7</p> <p>Housing HD6</p> <p>Module 6300LI</p> <p>Trim PAR30S</p> <p>Lumens 742</p> <p>Efficacy 53.4 Lm/W</p> <p>SC 0.24</p> 	CANDLEPOWER DISTRIBUTION				CONE OF LIGHT				CANDELA TABLE		ZONAL LUMEN SUMMARY			LUMINANCE																																																														
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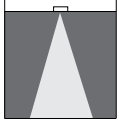
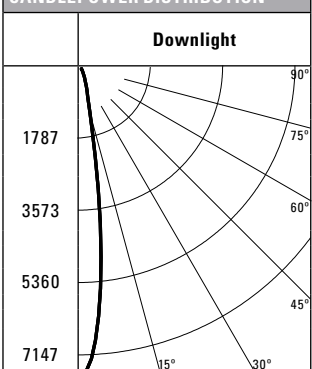
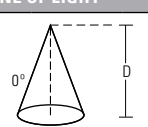
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RC	0.8				0.7				0.5				0.3				0.1				0	
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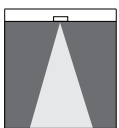
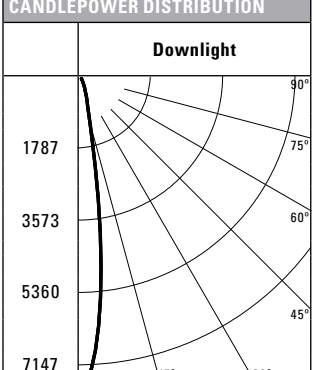
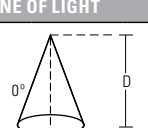
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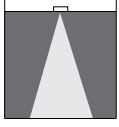
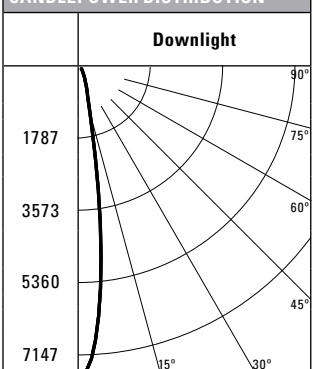
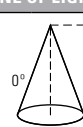
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PHOTOMETRY

Test Number G1-1710-386-7 Housing HD6 Module 6300LI Trim PAR30S Lumens 742 Efficacy 53.4 Lm/W SC 0.24 	CANDLEPOWER DISTRIBUTION <p style="text-align: center;">Downlight</p> 				CONE OF LIGHT  <table border="1"> <thead> <tr> <th>D</th> <th>FC</th> <th>L</th> <th>W</th> </tr> </thead> <tbody> <tr> <td>4'</td> <td>447</td> <td>0.8</td> <td>0.8</td> </tr> <tr> <td>7'</td> <td>146</td> <td>1.6</td> <td>1.6</td> </tr> <tr> <td>9'</td> <td>88</td> <td>2.2</td> <td>2.2</td> </tr> <tr> <td>13'</td> <td>42</td> <td>3</td> <td>3</td> </tr> <tr> <td>16'</td> <td>28</td> <td>3.8</td> <td>3.8</td> </tr> </tbody> </table>				D	FC	L	W	4'	447	0.8	0.8	7'	146	1.6	1.6	9'	88	2.2	2.2	13'	42	3	3	16'	28	3.8	3.8	CANDELA TABLE <table border="1"> <thead> <tr> <th>Degrees Vertical</th> <th>Candela</th> </tr> </thead> <tbody> <tr><td>0</td><td>7150</td></tr> <tr><td>5</td><td>5149</td></tr> <tr><td>15</td><td>510</td></tr> <tr><td>25</td><td>92</td></tr> <tr><td>35</td><td>16</td></tr> <tr><td>45</td><td>6</td></tr> <tr><td>55</td><td>2</td></tr> <tr><td>65</td><td>0</td></tr> <tr><td>75</td><td>0</td></tr> <tr><td>85</td><td>0</td></tr> <tr><td>90</td><td>0</td></tr> </tbody> </table>		Degrees Vertical	Candela	0	7150	5	5149	15	510	25	92	35	16	45	6	55	2	65	0	75	0	85	0	90	0	ZONAL LUMEN SUMMARY <table border="1"> <thead> <tr> <th>Zone</th> <th>Lumens</th> <th>% Fixture</th> </tr> </thead> <tbody> <tr><td>0-30</td><td>558</td><td>96.8</td></tr> <tr><td>0-40</td><td>569</td><td>98.7</td></tr> <tr><td>0-60</td><td>576</td><td>99.9</td></tr> <tr><td>0-90</td><td>576</td><td>99.9</td></tr> <tr><td>90-180</td><td>0</td><td>0</td></tr> <tr><td>0-180</td><td>576</td><td>100</td></tr> </tbody> </table>			Zone	Lumens	% Fixture	0-30	558	96.8	0-40	569	98.7	0-60	576	99.9	0-90	576	99.9	90-180	0	0	0-180	576	100	LUMINANCE <table border="1"> <thead> <tr> <th>Average Candela Degrees</th> <th>Average 0° Luminance</th> </tr> </thead> <tbody> <tr><td>45</td><td>3288</td></tr> <tr><td>55</td><td>1351</td></tr> <tr><td>65</td><td>0</td></tr> <tr><td>75</td><td>0</td></tr> <tr><td>85</td><td>0</td></tr> </tbody> </table>		Average Candela Degrees	Average 0° Luminance	45	3288	55	1351	65	0	75	0	85	0
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RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0
RCR																					
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1	113	110	108	105	111	108	106	104	106	104	102	101	102	100	99	98	98	97	96	95	93
2	107	102	98	94	105	100	96	93	101	97	94	91	97	94	91	89	94	91	89	87	86
3	101	95	89	85	99	93	88	84	96	91	86	83	92	88	85	82	89	86	83	81	79
4	96	88	82	77	94	87	81	77	90	84	80	76	87	82	78	75	85	80	77	74	73
5	90	82	75	71	89	81	75	70	86	79	74	70	83	77	73	69	80	75	72	69	67
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7	81	71	64	60	79	70	64	60	77	69	63	59	74	68	63	59	72	66	62	59	57
8	76	66	60	55	75	66	60	55	73	65	59	55	71	63	58	55	69	62	58	55	53
9	72	62	56	52	71	62	56	51	69	61	55	51	67	60	55	51	65	59	54	51	49
10	69	58	52	48	68	58	52	48	66	57	52	48	64	56	51	48	62	55	51	47	46