



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

Complete Fixture consists of Reflector Trim & Frame-In Kit. Select each separately.

Reflector Trim	Frame-In Kit — See Individual Frame-In Kit Specification Sheets			
	Low Voltage			
	Frame-In Kit	Installation Type	Lamping	Height
2006 Matte White	2000LV	Standard Non-IC	20W-50W MR16	5 3/8"
	2000LVR	Remodeler Non-IC		5 3/8"
	2000LVRE1	Remodeler Non-IC		5 3/8"
	2000LVE1	Electronic Low Voltage Non-IC 120V		5 3/8"
	2000LVE2	Electronic Low Voltage Non-IC 277V		5 3/8"
	2004ICV/N	LyteSeal AirSeal® IC	20W-37W MR16	7 1/4"
	2000LVNT	Low Voltage Remote Transformer	20W-42W MR16	5 3/8"
	2000AICV	AirSeal® IC	20W-35W MR16	7 5/16"

## Features

- Reflector:** Hydroformed aluminum, .040" thick (18 ga.); matte white trim flange.
- Slot Aperture:** Die-formed aluminum, .040" thick (18 ga.). Aperture plate and inner shield, matte black inside, matte white finish outside. Cuts off glare at normal viewing angles.
- Frame-In Kit:** (2000LV standard frame shown.) Other frames shown on the right. See Frame-In Kit specification sheets for more details.

## Options & Accessories

**Retaining Clips:** 1955 - For Installing in Existing Ceiling

## Labels

UL (Suitable for Damp Locations), I.B.E.W

# 2006 Lytecaster Low Voltage 3 3/4"

## MR16 Slot Trim

### Lighting Performance Data

MR16 Lamps:		Narrow																																																																																																																													
<b>L</b> Beam length <b>D</b> Distance <b>FC</b> Footcandles	<b>W</b> Beam width <b>A</b> Aiming angle	20W MR16 VNSPEZX	20W MR16 NSP EXS	42W MR16VNSP EZY	42W MR16 NSP EZR	42W MR16 SP EYS	50W MR16 NSP EXT																																																																																																																								
Data based on bare lamp photometrics. Dashed lines in beam spreads indicate narrow axes of oval shaped beams. <b>L</b> and <b>W</b> are the outer points where the candlepower drops to 50% of the maximum. <b>FC</b> is the initial footcandles at the center of beam.																																																																																																																															
Footcandles (On Beam Center at 6')		250	92	333	197	78	254																																																																																																																								
Beam Spread (To 50% Max. CP)		5° x 7°	10° x 13°	7° x 9°	11.5°	20°	11° x 13°																																																																																																																								
Max. Candlepower (Candelas)		9000	3300	12000	7076	2800	9150																																																																																																																								
Rated Life (Hours)		3000	2000	3000	3000	3000	3000																																																																																																																								
Color Temperature		2925°K	2950°K	3000°K	3000°K	3000°K	3025°K																																																																																																																								
<b>0° AIMING ANGLE</b>  Illumination on Horizontal Plane 		<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>7'</td><td>184</td><td>0.6'</td><td>0.9'</td></tr><tr><td>10'</td><td>90</td><td>0.9'</td><td>1.2'</td></tr><tr><td>13'</td><td>53</td><td>1.1'</td><td>1.6'</td></tr><tr><td>16'</td><td>35</td><td>1.4'</td><td>2.0'</td></tr></table>	D	FC	L	W	7'	184	0.6'	0.9'	10'	90	0.9'	1.2'	13'	53	1.1'	1.6'	16'	35	1.4'	2.0'	<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>6'</td><td>92</td><td>1.0'</td><td>1.4'</td></tr><tr><td>8'</td><td>52</td><td>1.4'</td><td>1.8'</td></tr><tr><td>10'</td><td>33</td><td>1.7'</td><td>2.3'</td></tr><tr><td>12'</td><td>23</td><td>2.1'</td><td>2.7'</td></tr></table>	D	FC	L	W	6'	92	1.0'	1.4'	8'	52	1.4'	1.8'	10'	33	1.7'	2.3'	12'	23	2.1'	2.7'	<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>8'</td><td>188</td><td>1.0'</td><td>1.3'</td></tr><tr><td>12'</td><td>83</td><td>1.5'</td><td>1.9'</td></tr><tr><td>16'</td><td>47</td><td>2.0'</td><td>2.5'</td></tr><tr><td>18'</td><td>30</td><td>2.5'</td><td>3.1'</td></tr></table>	D	FC	L	W	8'	188	1.0'	1.3'	12'	83	1.5'	1.9'	16'	47	2.0'	2.5'	18'	30	2.5'	3.1'	<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>7'</td><td>144</td><td>1.4'</td><td>1.4'</td></tr><tr><td>10'</td><td>71</td><td>2.0'</td><td>2.0'</td></tr><tr><td>13'</td><td>42</td><td>2.6'</td><td>2.6'</td></tr><tr><td>16'</td><td>28</td><td>3.2'</td><td>3.2'</td></tr></table>	D	FC	L	W	7'	144	1.4'	1.4'	10'	71	2.0'	2.0'	13'	42	2.6'	2.6'	16'	28	3.2'	3.2'	<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>4'</td><td>175</td><td>1.4'</td><td>1.4'</td></tr><tr><td>6'</td><td>78</td><td>2.1'</td><td>2.1'</td></tr><tr><td>8'</td><td>44</td><td>2.8'</td><td>2.8'</td></tr><tr><td>10'</td><td>28</td><td>3.5'</td><td>3.5'</td></tr></table>	D	FC	L	W	4'	175	1.4'	1.4'	6'	78	2.1'	2.1'	8'	44	2.8'	2.8'	10'	28	3.5'	3.5'	<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>7'</td><td>187</td><td>1.3'</td><td>1.6'</td></tr><tr><td>10'</td><td>92</td><td>1.9'</td><td>2.3'</td></tr><tr><td>13'</td><td>54</td><td>2.5'</td><td>3.0'</td></tr><tr><td>16'</td><td>35</td><td>3.1'</td><td>3.6'</td></tr></table>	D	FC	L	W	7'	187	1.3'	1.6'	10'	92	1.9'	2.3'	13'	54	2.5'	3.0'	16'	35	3.1'	3.6'
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5'	46	4.0'	2.3'																																																																																																																												

MR16 Lamps:		Medium		Wide																																																																																	
<b>L</b> Beam length <b>D</b> Distance <b>FC</b> Footcandles	<b>W</b> Beam width <b>A</b> Aiming angle	50W MR16 NFL EXZ	20W MR16 FL BAB	42W MR16 FL EYP	50W MR16 FL EXN																																																																																
Data based on bare lamp photometrics. Dashed lines in beam spreads indicate narrow axes of oval shaped beams. <b>L</b> and <b>W</b> are the outer points where the candlepower drops to 50% of the maximum. <b>FC</b> is the initial footcandles at the center of beam																																																																																					
Footcandles (On Beam Center at 6')		83	13	28	42																																																																																
Beam Spread (To 50% Max. CP)		22° x 27°	36° x 37°	36°	37° x 39°																																																																																
Max. Candlepower (Candelas)		3000	460	991	1500																																																																																
Rated Life (Hours)		3000	2000	3000	3000																																																																																
Color Temperature		3000°K	2950°K	3050°K	3050°K																																																																																
<b>0° AIMING ANGLE</b>  Illumination on Horizontal Plane		<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th><th>D</th><th>FC</th><th>L</th><th>W</th><th>D</th><th>FC</th><th>L</th><th>W</th><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>6'</td><td>83</td><td>2.3'</td><td>2.9'</td><td>2'</td><td>115</td><td>1.3'</td><td>1.3'</td><td>3'</td><td>110</td><td>1.9'</td><td>1.9'</td><td>4'</td><td>94</td><td>2.7'</td><td>2.8'</td></tr><tr><td>8'</td><td>47</td><td>3.1'</td><td>3.8'</td><td>4'</td><td>29</td><td>2.6'</td><td>2.7'</td><td>5'</td><td>40</td><td>3.2'</td><td>3.2'</td><td>6'</td><td>42</td><td>4.0'</td><td>4.2'</td></tr><tr><td>10'</td><td>30</td><td>3.9'</td><td>4.8'</td><td>6'</td><td>13</td><td>3.9'</td><td>4.0'</td><td>7'</td><td>20</td><td>4.5'</td><td>4.5'</td><td>8'</td><td>23</td><td>5.4'</td><td>5.7'</td></tr><tr><td>12'</td><td>21</td><td>4.7'</td><td>5.8'</td><td>8'</td><td>7</td><td>5.2'</td><td>5.3'</td><td>9'</td><td>12</td><td>5.8'</td><td>5.8'</td><td>10'</td><td>15</td><td>6.7'</td><td>7.1'</td></tr></table>				D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W	6'	83	2.3'	2.9'	2'	115	1.3'	1.3'	3'	110	1.9'	1.9'	4'	94	2.7'	2.8'	8'	47	3.1'	3.8'	4'	29	2.6'	2.7'	5'	40	3.2'	3.2'	6'	42	4.0'	4.2'	10'	30	3.9'	4.8'	6'	13	3.9'	4.0'	7'	20	4.5'	4.5'	8'	23	5.4'	5.7'	12'	21	4.7'	5.8'	8'	7	5.2'	5.3'	9'	12	5.8'	5.8'	10'	15	6.7'	7.1'
D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W																																																																						
6'	83	2.3'	2.9'	2'	115	1.3'	1.3'	3'	110	1.9'	1.9'	4'	94	2.7'	2.8'																																																																						
8'	47	3.1'	3.8'	4'	29	2.6'	2.7'	5'	40	3.2'	3.2'	6'	42	4.0'	4.2'																																																																						
10'	30	3.9'	4.8'	6'	13	3.9'	4.0'	7'	20	4.5'	4.5'	8'	23	5.4'	5.7'																																																																						
12'	21	4.7'	5.8'	8'	7	5.2'	5.3'	9'	12	5.8'	5.8'	10'	15	6.7'	7.1'																																																																						
<b>30° AIMING ANGLE</b>  Illumination on Horizontal Plane		<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th><th>D</th><th>FC</th><th>L</th><th>W</th><th>D</th><th>FC</th><th>L</th><th>W</th><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>4'</td><td>122</td><td>2.1'</td><td>2.2'</td><td>2'</td><td>75</td><td>1.8'</td><td>2.5'</td><td>3'</td><td>72</td><td>2.7'</td><td>2.3'</td><td>3'</td><td>108</td><td>2.8'</td><td>2.5'</td></tr><tr><td>6'</td><td>54</td><td>3.1'</td><td>3.3'</td><td>4'</td><td>19</td><td>3.6'</td><td>3.1'</td><td>5'</td><td>26</td><td>4.5'</td><td>3.8'</td><td>5'</td><td>39</td><td>4.6'</td><td>4.1'</td></tr><tr><td>8'</td><td>30</td><td>4.2'</td><td>4.4'</td><td>6'</td><td>8</td><td>5.4'</td><td>4.6'</td><td>7'</td><td>13</td><td>6.3'</td><td>5.3'</td><td>7'</td><td>20</td><td>6.5'</td><td>5.7'</td></tr><tr><td>10'</td><td>19</td><td>5.2'</td><td>5.5'</td><td>8'</td><td>5</td><td>7.2'</td><td>6.1'</td><td>9'</td><td>8</td><td>8.1'</td><td>6.8'</td><td>9'</td><td>12</td><td>8.3'</td><td>7.4'</td></tr></table>				D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W	4'	122	2.1'	2.2'	2'	75	1.8'	2.5'	3'	72	2.7'	2.3'	3'	108	2.8'	2.5'	6'	54	3.1'	3.3'	4'	19	3.6'	3.1'	5'	26	4.5'	3.8'	5'	39	4.6'	4.1'	8'	30	4.2'	4.4'	6'	8	5.4'	4.6'	7'	13	6.3'	5.3'	7'	20	6.5'	5.7'	10'	19	5.2'	5.5'	8'	5	7.2'	6.1'	9'	8	8.1'	6.8'	9'	12	8.3'	7.4'
D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W																																																																						
4'	122	2.1'	2.2'	2'	75	1.8'	2.5'	3'	72	2.7'	2.3'	3'	108	2.8'	2.5'																																																																						
6'	54	3.1'	3.3'	4'	19	3.6'	3.1'	5'	26	4.5'	3.8'	5'	39	4.6'	4.1'																																																																						
8'	30	4.2'	4.4'	6'	8	5.4'	4.6'	7'	13	6.3'	5.3'	7'	20	6.5'	5.7'																																																																						
10'	19	5.2'	5.5'	8'	5	7.2'	6.1'	9'	8	8.1'	6.8'	9'	12	8.3'	7.4'																																																																						
<b>30° AIMING ANGLE</b>  Illumination on Vertical Plane		<table><tr><th>D</th><th>FC</th><th>L</th><th>W</th><th>D</th><th>FC</th><th>L</th><th>W</th><th>D</th><th>FC</th><th>L</th><th>W</th><th>D</th><th>FC</th><th>L</th><th>W</th></tr><tr><td>2'</td><td>94</td><td>3.5'</td><td>1.9'</td><td>1'</td><td>58</td><td>3.8'</td><td>1.3'</td><td>1'</td><td>124</td><td>3.8'</td><td>1.3'</td><td>1'</td><td>188</td><td>4.0'</td><td>1.4'</td></tr><tr><td>3'</td><td>42</td><td>5.3'</td><td>2.9'</td><td>2'</td><td>14</td><td>7.6'</td><td>2.7'</td><td>2'</td><td>31</td><td>7.6'</td><td>2.6'</td><td>2'</td><td>47</td><td>8.1'</td><td>2.8'</td></tr><tr><td>4'</td><td>23</td><td>7.0'</td><td>3.8'</td><td>3'</td><td>6</td><td>11.4'</td><td>4.0'</td><td>3'</td><td>14</td><td>11.4'</td><td>3.9'</td><td>3'</td><td>21</td><td>12.1'</td><td>4.2'</td></tr><tr><td>5'</td><td>15</td><td>8.8'</td><td>4.8'</td><td>4'</td><td>4</td><td>15.2'</td><td>5.3'</td><td>4'</td><td>8</td><td>15.2'</td><td>5.2'</td><td>4'</td><td>12</td><td>16.1'</td><td>5.7'</td></tr></table>				D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W	2'	94	3.5'	1.9'	1'	58	3.8'	1.3'	1'	124	3.8'	1.3'	1'	188	4.0'	1.4'	3'	42	5.3'	2.9'	2'	14	7.6'	2.7'	2'	31	7.6'	2.6'	2'	47	8.1'	2.8'	4'	23	7.0'	3.8'	3'	6	11.4'	4.0'	3'	14	11.4'	3.9'	3'	21	12.1'	4.2'	5'	15	8.8'	4.8'	4'	4	15.2'	5.3'	4'	8	15.2'	5.2'	4'	12	16.1'	5.7'
D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W																																																																						
2'	94	3.5'	1.9'	1'	58	3.8'	1.3'	1'	124	3.8'	1.3'	1'	188	4.0'	1.4'																																																																						
3'	42	5.3'	2.9'	2'	14	7.6'	2.7'	2'	31	7.6'	2.6'	2'	47	8.1'	2.8'																																																																						
4'	23	7.0'	3.8'	3'	6	11.4'	4.0'	3'	14	11.4'	3.9'	3'	21	12.1'	4.2'																																																																						
5'	15	8.8'	4.8'	4'	4	15.2'	5.3'	4'	8	15.2'	5.2'	4'	12	16.1'	5.7'																																																																						

# 2006    Lytecaster Low Voltage 3 3/4"

## MR16 Slot Trim

### Beam Center Location

This chart locates the distance **C** to the center of the light beam for various distance **D** when the lamp is aimed 30° from vertical, the preferred aiming angle for lighting pictures on the wall,

Distance <b>D</b> (ft.)	1	2	3	4	5	6	7	8	9	10
Distance <b>C</b> (ft.)	1.7	3.5	5.2	6.9	8.7	10.4	12.1	13.8	15.6	17.3

To convert lighting data for a lower wattage lamp of the **same type**, multiply footcandles (or candlepower) values by the ration of the lumens of the two lamps. The coefficients of utilization remain the same.

