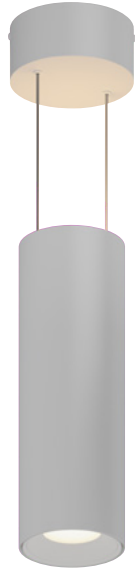


PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

## BETA4R UP DOWN

4" Cylinder Tunable White / Static White



### DOWNLIGHT

15° - 65° BEAM (Note: Specifications are subject to change without notice)		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	1100LM @35K/95CRI	16W
15LM	1430LM @35K/95CRI	19W
20LM	1965LM @35K/95CRI	25W
Notes	Delivered lumens based on 25D optic with HET lens (see page 2)	

15° - 65° BEAM (Note: Specifications are subject to change without notice)		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	980LM @35K/80CRI	11W
15LM	1560LM @35K/80CRI	18W
20LM	1890LM @35K/80CRI	22W
25LM	2340LM @35K/80CRI	28W
Notes	Delivered lumens based on 25D optic with HET lens (see page 2)	

### UPLIGHT

8° - 65° BEAM (Note: Specifications are subject to change without notice)		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	990LM @30K/80CRI	9W
15LM	1485LM @30K/80CRI	12W
20LM	2095LM @30K/80CRI	17W
25LM	2540LM @30K/80CRI	21W
10LM	840LM @30K/90CRI	9W
15LM	1260LM @30K/90CRI	12W
20LM	1780LM @30K/90CRI	17W
25LM	2160LM @30K/90CRI	21W
Notes	Delivered lumens based on 25D optic with CL lens (see page 2)	



### FEATURES

- Seamless extrusion with painted finish for clean aesthetics
- Thermally optimized for longevity
- 8° - 65° beam spread
- UGR < 13
- Multiple glare control options, bezel and finishes available

### DIMMING AND CONTROLS

- Flicker free 0-10V dimming to 1%
- DMX dimming to 1%
- Casambi bluetooth dimming to 1%
- Independent Uplight SW / Downlight Control TW

### CONSTRUCTION

- Extruded aluminum housing
- Lexan™ (PC) Optimal connectivity for wireless control signal
- Machined aluminum canopy

### LED

- Luminus tunable white COB: 95 CRI, R9 > 70: SDCM = 4-step MacAdam Ellipse; Lumen Maintenance: L<sub>70</sub> > 54,000 hrs
- Nichia tunable white COB: 80 CRI, R9 > 0: SDCM = 3-step MacAdam Ellipse; Lumen Maintenance: L<sub>90</sub> > 33,000 hrs
- 90 CRI: SDCM = 2-step MacAdam Ellipse, Lumen Maintenance: L<sub>70</sub> > 66,000 hrs
- 80 CRI: SDCM = 2-step MacAdam Ellipse, Lumen Maintenance: L<sub>70</sub> > 66,000 hrs

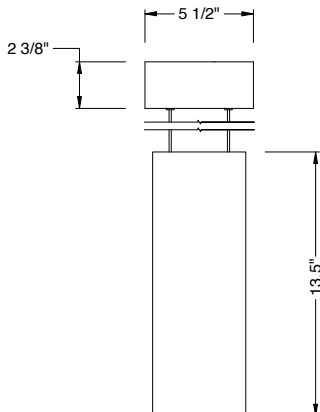
### LISTING

- ULus Listed to UL1598 & UL2108; cUL Listed to CSA C22.2 #250.0
- Suitable for dry and damp locations
- 5 Year Limited warranty

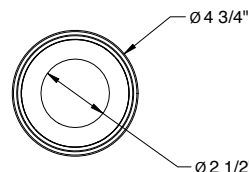
### ELECTRICAL

- 120V-277V, 120 only Triac / ELV
- Power factor ≥ 0.9
- 2kV driver input surge protection
- Battery Backups not offered
- Emergency Generator/Inverter/Controls-Override Device supplied by other

### FIXTURE HEIGHT



### UP/DOWN LIGHT



# alphabet

PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

ORDERING CODE																										
<b>SERIES</b>	<b>BETA</b>	cylinder series																								
<b>TYPE</b>	<b>4RUD</b>	4" Round Up Down																								
DOWNLIGHT																										
<b>LED</b>	<b>TW</b>	tunable white																								
<b>DOWNLIGHT DELIVERED LUMENS</b>	<b>10LM</b>	980 lm																								
	<b>15LM</b>	1560 lm																								
	<b>20LM</b>	1890 lm																								
	<b>25LM<sup>1</sup></b>	2340 lm																								
<b>CCT</b>	<b>2750<sup>2</sup></b>	2700K to 5000K tunable white																								
		<table border="1"> <thead> <tr> <th>CCT</th> <th>2700K</th> <th>3000K</th> <th>3500K</th> <th>4000K</th> </tr> </thead> <tbody> <tr> <td>CRI</td> <td>80+</td> <td>90+</td> <td>80+</td> <td>90+</td> </tr> <tr> <td>CCT MULTIPLIER FOR LUMEN OUTPUT</td> <td>0.96</td> <td>0.81</td> <td>1</td> <td>0.85</td> </tr> </tbody> </table>	CCT	2700K	3000K	3500K	4000K	CRI	80+	90+	80+	90+	CCT MULTIPLIER FOR LUMEN OUTPUT	0.96	0.81	1	0.85									
	CCT	2700K	3000K	3500K	4000K																					
	CRI	80+	90+	80+	90+																					
	CCT MULTIPLIER FOR LUMEN OUTPUT	0.96	0.81	1	0.85																					
	<b>2765</b>	2700K to 6500K tunable white																								
		<table border="1"> <thead> <tr> <th>CCT</th> <th>2700K</th> <th>3000K</th> <th>3500K</th> <th>4000K</th> <th>5000K</th> <th>5700K</th> <th>6500K</th> </tr> </thead> <tbody> <tr> <td>CCT MULTIPLIER FOR LUMEN OUTPUT</td> <td>0.91</td> <td>0.98</td> <td>1</td> <td>0.99</td> <td>1</td> <td>1.01</td> <td>1.02</td> </tr> <tr> <td>EML RATIO</td> <td>0.49</td> <td>0.57</td> <td>0.68</td> <td>0.79</td> <td>0.96</td> <td>1.04</td> <td>1.12</td> </tr> </tbody> </table>	CCT	2700K	3000K	3500K	4000K	5000K	5700K	6500K	CCT MULTIPLIER FOR LUMEN OUTPUT	0.91	0.98	1	0.99	1	1.01	1.02	EML RATIO	0.49	0.57	0.68	0.79	0.96	1.04	1.12
		CCT	2700K	3000K	3500K	4000K	5000K	5700K	6500K																	
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	EML RATIO	0.49	0.57	0.68	0.79	0.96	1.04	1.12																		
<b>1840</b>	1800K to 4000K tunable white																									
	<table border="1"> <thead> <tr> <th>CCT</th> <th>1800K</th> <th>2000K</th> <th>2400K</th> <th>2700K</th> <th>3000K</th> <th>3500K</th> <th>4000K</th> </tr> </thead> <tbody> <tr> <td>CCT MULTIPLIER FOR LUMEN OUTPUT</td> <td>0.67</td> <td>0.74</td> <td>0.8</td> <td>0.85</td> <td>0.88</td> <td>0.95</td> <td>1.01</td> </tr> <tr> <td>EML RATIO</td> <td>0.21</td> <td>0.33</td> <td>0.46</td> <td>0.53</td> <td>0.59</td> <td>0.67</td> <td>0.73</td> </tr> </tbody> </table>	CCT	1800K	2000K	2400K	2700K	3000K	3500K	4000K	CCT MULTIPLIER FOR LUMEN OUTPUT	0.67	0.74	0.8	0.85	0.88	0.95	1.01	EML RATIO	0.21	0.33	0.46	0.53	0.59	0.67	0.73	
	CCT	1800K	2000K	2400K	2700K	3000K	3500K	4000K																		
	CCT MULTIPLIER FOR LUMEN OUTPUT	0.67	0.74	0.8	0.85	0.88	0.95	1.01																		
EML RATIO	0.21	0.33	0.46	0.53	0.59	0.67	0.73																			
<b>CRI</b>	<b>80</b>	80 CRI																								
	<b>95</b>	95 typical, 90 minimum																								
<b>OPTIC &amp; LM MULTIPLIER</b> SEE PAGE 3	<b>15D</b>	15 degrees (1.00)																								
	<b>20D</b>	20 degrees (1.00)																								
	<b>25D</b>	25 degrees (1.00)																								
	<b>40D</b>	40 degrees (1.00)																								
	<b>55D</b>	55 degrees (0.98)																								
<b>BEZEL LENS</b> SEE PAGE 3	<b>65D</b>	65 degrees (0.98)																								
	<b>CL</b>	clear lens (0.98)																								
	<b>DL</b>	diffused lens (0.91)																								
	<b>HCL<sup>3</sup></b>	honeycomb louver (0.85)																								
	<b>HET</b>	high efficiency textured lens, similar to Solite™ (0.96)																								
<b>SBL</b>	smoothing beam lens (0.96)																									
UPLIGHT																										
<b>LED</b>	<b>SW</b>	standard white																								
<b>UPLIGHT DELIVERED LUMENS</b>	<b>10LM</b>	990 lm																								
	<b>15LM</b>	1485 lm																								
	<b>20LM</b>	2095 lm																								
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<b>CRI</b>	<b>80</b>	80 CRI																								
		90 CRI																								
	<b>OPTIC &amp; LM MULTIPLIER</b> SEE PAGE 3	<b>8D</b>	8 degrees (1.00)																							
		<b>12D</b>	12 degrees (1.00)																							
		<b>20D</b>	20 degrees (0.99)																							
		<b>25D</b>	25 degrees (1.00)																							
		<b>35D</b>	35 degrees (0.99)																							
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	<b>BEZEL LENS</b> SEE PAGE 3	<b>65D</b>	65 degrees (0.99)																							
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<b>SBL</b>		smoothing beam lens (0.96)																								

ORDERING CODE		
<b>BEZEL COLOR</b> SEE PAGE 3	<b>BK</b>	black (0.98)
	<b>WH</b>	white (1.00)
	<b>MC</b>	matte chrome (0.99)
	<b>BZ</b>	bronze (0.98)
	<b>WT</b>	wheat (0.99)
	<b>CC<sup>4</sup></b>	custom color, consult factory for details
<b>FINISH</b>	<b>BK</b>	black
	<b>WH</b>	white
	<b>MC</b>	matte chrome
	<b>CC<sup>4</sup></b>	custom color, consult factory for details
<b>MOUNTING OPTIONS</b>	<b>PS6</b>	driver integrated canopy with power over suspension, 6ft
	<b>PS8</b>	driver integrated canopy with power over suspension, 8ft
	<b>PS10</b>	driver integrated canopy with power over suspension, 10ft
	<b>PS12</b>	driver integrated canopy with power over suspension, 12ft
<b>VOLTAGE</b>	<b>UNV</b>	120V-277V
<b>DIMMING</b>	<b>DIM10<sup>5</sup></b>	eldoLED flicker free 0-10V dimming to 1%
	<b>DMX</b>	DMX control dimming to 1%
	<b>CAS</b>	Casambi Bluetooth control with flicker free 1% dimming

YOUR COMPLETED ORDERING CODE	
Follow the steps to specify your fixture, example:	
<b>BETA - 4RUD - TW - 20LM - 2765 - 95 - 50D - CL - SW - 15LM - 30K - 90 - 25D - CL - WH - WH - PS6 - UNV - DIM10</b>	

## NOTES

- 25LM available in 80CRI only.
- 2750 available in 80 CRI only.
- HCL not available with lens.
- Custom set up fee plus minimum quantity required per color.
- Requires 2 wall controllers (see wiring diagram).

\* EML = equivalent melanopic lux. To calculate EML, multiply the measured photopic lux by the EML ratio for the given CCT. Example: 254 lux x 0.79 = 200 melanopic lux at 4000K.

\* EdoLED uses logarithmic dimming curve as standard. For linear dimming curve, add "LIN" after dimming code, i.e., DIM10LIN.

# alphabet

PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

## BEZEL OPTIONS DOWNLIGHT

### BEZEL COLORS

#### DOWN

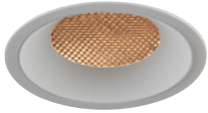


## OPTICAL OPTIONS

- UGR calculation based on CIE 117-1995; room size: 4H X 8H, reflectance: 70/50/20;
- UGR calculation based on 15LM fixtures, unless otherwise noted.

#### HCL

Honeycomb Louver



OPTIC	BEAM ANGLE	UGR
15D	16	9.8
20D	19	11
25D	22	11
35D	30	12.4
40D	33	13
55D	49	15
65D	56	16.1

15D UGR calculation based on 10LM fixtures

#### NL

No Lens



OPTIC	BEAM ANGLE	UGR
15D	17	13.1
20D	20	13.8
25D	24	13.7
35D	34	15.5
40D	38	15.4
55D	55	17
65D	67	19.4

15D UGR calculation based on 10LM fixtures

#### CL

Clear Lens



OPTIC	BEAM ANGLE	UGR
15D	17	12.9
20D	20	13.5
25D	24	13.4
35D	34	15.2
40D	38	15.1
55D	55	16.5
65D	67	19.2

15D UGR calculation based on 10LM fixtures

#### DL

Diffused Lens



OPTIC	BEAM ANGLE	UGR
15D	37	18.7
20D	39	19.6
25D	43	20
35D	50	21.4
40D	52	21.3
55D	61	22
65D	71	24

15D UGR calculation based on 10LM fixtures

#### HET

High Efficiency Textured Lens



OPTIC	BEAM ANGLE	UGR
15D	21	13
20D	23	14
25D	28	14.3
35D	36	16.5
40D	40	16.4
55D	57	17.5
65D	65	50.5

15D UGR calculation based on 10LM fixtures

#### SBL

Smoothing Beam Lens



OPTIC	BEAM ANGLE	UGR
15D	18	12.5
20D	21	13.3
25D	25	13.5
35D	34	15.6
40D	38	15.6
55D	57	16.7
65D	67	20

15D UGR calculation based on 10LM fixtures

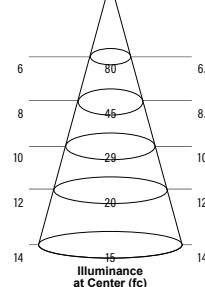
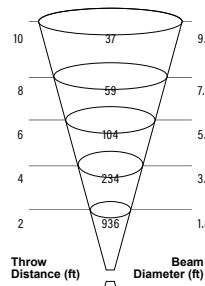
# alphabet

PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

## PHOTOMETRIC DATA

25LM SW - UP   25LM TW - DOWN	
SW - 80CRI   TW - 80CRI	
50D-CL UP   55D-CL DOWN	

WATTS: 21	LPW: 114.2
LUMENS: 2398	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
45	14
35	518
25	1830
15	2998
5	3716
0	3742

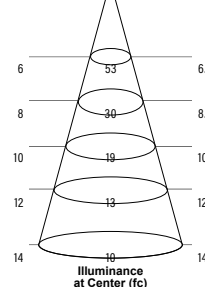
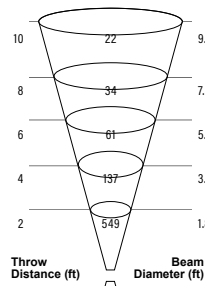


WATTS: 27.8	LPW: 76.6
LUMENS: 2129	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	2698
5	2807
15	2537
25	1666
35	586
45	23

15LM SW - UP   15LM TW - DOWN	
SW - 80CRI   TW - 80CRI	
50D-CL UP   55D-CL DOWN	

WATTS: 12.3	LPW: 114.4
LUMENS: 1407	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
45	8
35	304
25	1074
15	1759
5	2180
0	2195

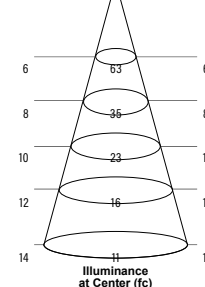
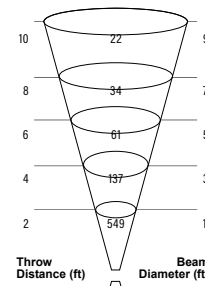


WATTS: 18	LPW: 78.6
LUMENS: 1415	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	1794
5	1866
15	1686
25	1107
35	389
45	15

15LM SW - UP   20LM TW - DOWN	
SW - 80CRI   TW - 95CRI	
50D-CL UP   55D-CL DOWN	

WATTS: 12.3	LPW: 114.4
LUMENS: 1407	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
45	8
35	304
25	1074
15	1759
5	2180
0	2195

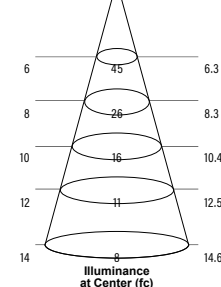
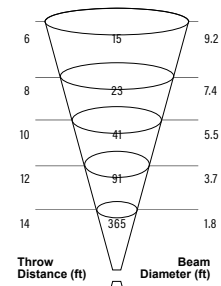


WATTS: 25	LPW: 69.7
LUMENS: 1743	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	2249
5	2249
15	2032
25	1336
35	467
45	27

10LM SW - UP   15LM TW - DOWN	
SW - 80CRI   TW - 95CRI	
50D-CL UP   55D-CL DOWN	

WATTS: 8.4	LPW: 111.3
LUMENS: 935	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	6
5	202
15	713
25	1168
35	1448
45	1459



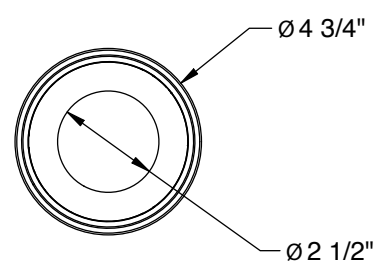
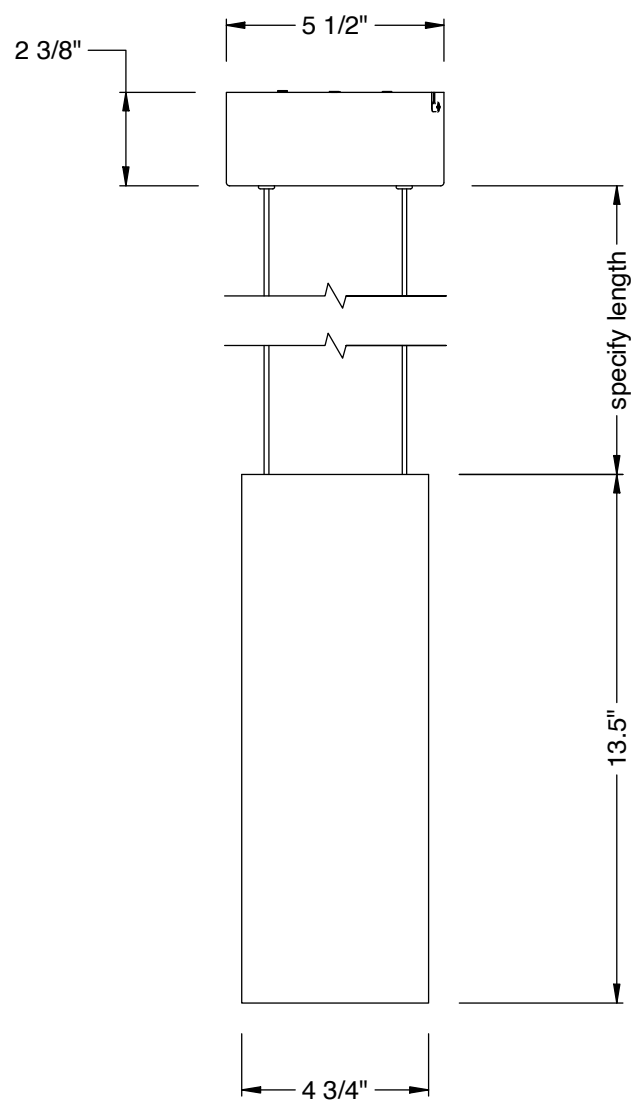
WATTS: 18.7	LPW: 67.8
LUMENS: 1268	CCT: 3000K

INTENSITY	
DEGREE	CANDELA
0	1635
5	1635
15	1478
25	972
35	339
45	20

# alphabet

PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

## MOUNTING OPTIONS

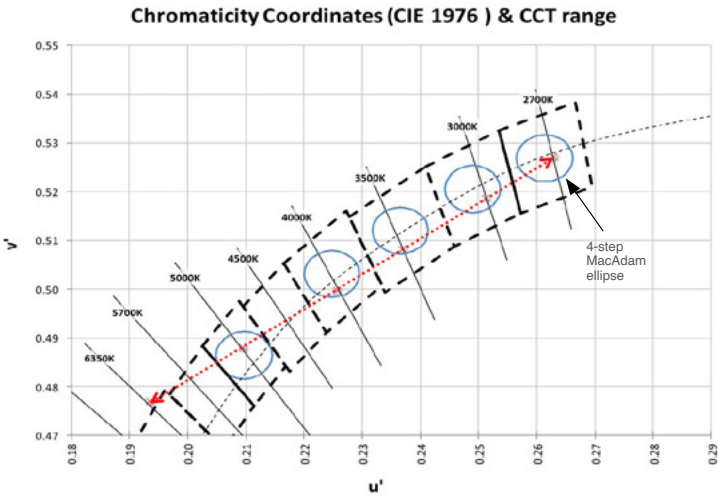


DIM10 / ELV1 / LUTP / DALI / CAS

PROJECT INFORMATION		
JOB NAME	TYPE	
ORDERING CODE		

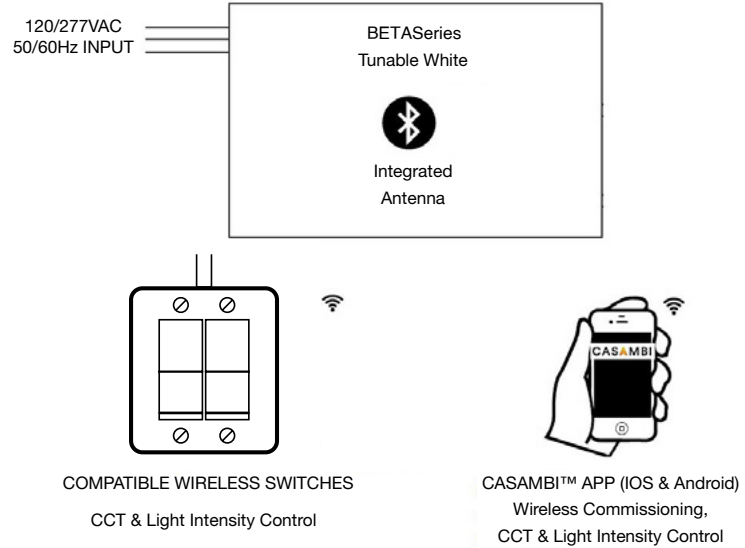
## TUNABLE WHITE

### LUMINUS 95CRI

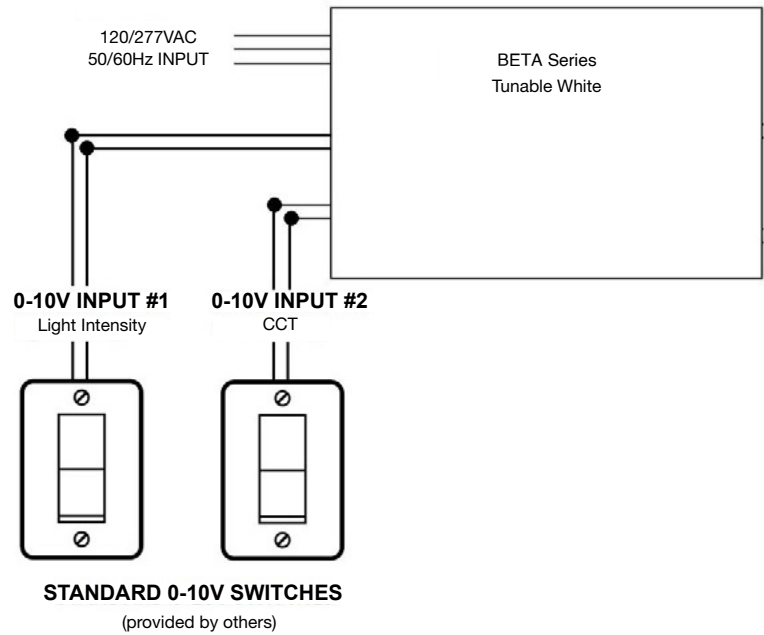


## WIRING DIAGRAMS

### “CAS” CASAMBI CONTROLS



### “DIM10” HARDWIRED 0-10V CONTROL



### NOTES

- 1 Consult factory to order compatible wireless switches.