

JOB NAME _____

CONTACT _____

ORDERING CODE _____

BETA6" Round Architectural Cylinder

- COB**
see page 1
- XICATO**
see page 2
- SunLike**
see page 2
- LUMINUS**
see page 3
- LUTRON OEM ADVANTAGE ACCOUNT**
- eldoLED**
your product | our drive
- HUMAN CENTRIC**



S



P



RP

DESCRIPTION

The BETA6 cylinder is available with multiple cutting-edge LED technologies. Xicato XTM provides energy efficient light with industry best color consistency, with a 2-step MacAdam ellipse 1x2 SDCM. Static White provides premium performance using efficient chip-on-board (COB) LED technology. SunLike produces a spectrum that mimics natural sunlight for high quality light with Human Centric benefit and high EML ratios. Warm Dim offers economical and efficient dim-to-warm LED technology by Luminus. Multiple beam spreads, finishes and LiteOptics allow for creative lighting solutions to illuminate architectural spaces. Easy installation with quick connect and bayonet mounting. BETA6AR carries a 5-Year Warranty.

HOUSING

6" extruded aluminum housing with black, white or matte chrome finish

MOUNTING

- Easy mounting system over a 3-1/2" to 4" recessed octagonal junction box for surface mount, pendant and rigid pendant mounting options.
- RP mounting option can be mounted on ≤ 45° sloped ceiling (fixture is a self-contained operating unit, wiring through stem by others). Consult factory for custom pendant lengths.

LISTINGS

- ETLus Listed to UL 1598 (suitable for dry and damp locations)
- cETL Listed to CSA C22.2 #250.0
- Made in the USA - meets the requirements of the Buy American provision within the ARRA.

LED INFO

- XICATO XTM:
SDCM = 1x2 MacAdam Ellipse, Duv +/- 0.001, Lumen Maintenance: L₇₀ > 55,000 hrs
- Standard COB:
90 CRI: SDCM = 2-step MacAdam Ellipse, Lumen Maintenance: L₇₀ > 49,500 hrs
80 CRI: SDCM = 3-step MacAdam Ellipse, Lumen Maintenance: L₇₀ > 49,500 hrs
- Seoul Semiconductor SunLike Acrich MJT COB:
97 CRI: SDCM = 3-step MacAdam Ellipse, Lumen Maintenance: L₇₀ > 49,500 hrs
- LUMINUS Dim-to-warm COB:
97 CRI: SDCM = 3-step MacAdam Ellipse, Lumen Maintenance: L₇₀ > 54,000 hrs

STANDARD COB - ORDERING CODE

SERIES	608RA																													
APERTURE	6	6"																												
LED	SW	static white																												
DELIVERED LUMENS	13LM 1080 lm 15LM 1245 lm 20LM 1660 lm 30LM 2475 lm 40LM 3300 lm 50LM 4130 lm <small>Calculated Delivered Lumens = [Delivered Lumen Value] x [CCT Multiplier] x [Reflector Multiplier] Standard Configuration: 3000K 80CRI DA40</small>																													
CCT	22K 2200K 27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	<table border="1"> <tr> <th>CCT</th> <th>2200K</th> <th>2700K</th> <th>3000K</th> <th>3500K</th> <th>4000K</th> <th>5000K</th> </tr> <tr> <th>CRI</th> <td>80+</td> <td>90+</td> <td>80+</td> <td>90+</td> <td>80+</td> <td>90+</td> </tr> <tr> <th>CCT MULTIPLIER FOR LUMEN OUTPUT</th> <td>0.85</td> <td>N/A</td> <td>0.96</td> <td>0.81</td> <td>1.00</td> <td>0.84</td> </tr> <tr> <th></th> <td>1.01</td> <td>0.85</td> <td>1.03</td> <td>0.87</td> <td>1.04</td> <td>N/A</td> </tr> </table>	CCT	2200K	2700K	3000K	3500K	4000K	5000K	CRI	80+	90+	80+	90+	80+	90+	CCT MULTIPLIER FOR LUMEN OUTPUT	0.85	N/A	0.96	0.81	1.00	0.84		1.01	0.85	1.03	0.87	1.04	N/A
CCT	2200K	2700K	3000K	3500K	4000K	5000K																								
CRI	80+	90+	80+	90+	80+	90+																								
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	1.01	0.85	1.03	0.87	1.04	N/A																								
CRI	80 90¹	80 CRI 90 CRI																												
REFLECTOR & LM MULTIPLIER	DA40	40° diffused (1.00) 60° diffused (1.00)																												
ACCESSORIES	HCL⁹	honeycomb louver																												
VOLTAGE	UNV 120	120V-277V 120V																												
DIMMING	10V⁶ DIM10² DIM10Z² DALI² DALIZ² DMXZ⁷ LTE^{4,8} LUT⁴ LUTP⁵ ELV³ ELV1³	0-10V 1% dimming standard eldoLED flicker free 0-10V dimming to 1% eldoLED flicker free 0-10V dimming to 0% eldoLED flicker free DALI dimming to 1% eldoLED flicker free DALI dimming to 0% flicker free DMX dimming to 0% Lutron Hi-lume 2-Wire (Triac) dimming to 1% Lutron Hi-lume EcoSystem dimming to 1%, Soft-on & Fade-to-Black Lutron Hi-lume Premier EcoSystem dimming to 0.1%, Soft-on & Fade-to-Black leading & trailing edge (Triac/ELV) dimming to < 10% leading & trailing edge (Triac/ELV) dimming to 1%																												
FINISH	BK WH MC	black white matte chrome																												
MOUNTING OPTIONS	S P RP RP5 RP6 RP8 RP10	surface mount pendant rigid pendant rigid pendant 5' stem rigid pendant 6' stem rigid pendant 8' stem rigid pendant 10' stem																												

ORDERING CODE

Follow the steps to specify your fixture, example:
608RA - 6 - SW - 20LM - 35K - 80 - DA40 - UNV - DIM10 - WH - RP

SW (LED)	POWER
DELIVERED LM	W (80/90 CRI)
1080	11
1245	14
1660	17
2475	27
3300	32
4130	43

Power Factor ≥ 0.9

NOTES

1. 90 CRI not available in 2200K or 5000K.
2. Driver uses logarithmic dimming curve as standard. For linear dimming curve add "LIN" after dimming code, i.e. DIM10LIN.
3. Triac/ELV dimming available in 120V only. Not available in 50LM.
4. LTE/LUT not available in 50LM.
5. LUTP not available in 30LM, 40LM or 50LM.
6. 10V dimming only available in 15LM and 20LM.
7. DMXZ not available for Pendant.
8. LTE only available in 120V.
9. HCL not available with lens. Multiply delivered lumens by (0.78) and beam spread by (0.80) when honeycomb louver is chosen.

XICATO XTM MODULE - ORDERING CODE

SERIES	608RA		
APERTURE	6	6"	
LED	XTM19	Xicato XTM 19mm	
DELIVERED LUMENS	13LM	1080 lm	
	20LM	1660 lm	
	30LM	2475 lm	
	40LM	3300 lm	
	50LM	4130 lm	
Standard Configuration: 3000K 83CRI SA20			
CCT	27K	2700K	
	B27K²	2700K beauty	
	30K	3000K	
	V30K	3000K vibrant	
	35K	3500K	
	40K	4000K	
CRI	83	83 CRI	
	90	90 CRI	
	98¹	98 CRI	
REFLECTOR & LM MULTIPLIER	DA40	40° diffused (0.91)	
	DA60	60° diffused (0.91)	
	SA20	20° specular (1.00)	
	SA40	40° specular (0.98)	
	SA60	60° specular (0.99)	
ACCESSORIES	HCL⁸	honeycomb louver	
VOLTAGE	UNV 120⁶	120V-277V 120V	
DIMMING	DIM10⁴	eldoLED flicker free 0-10V dimming to 1%	
	DIM10Z³	eldoLED flicker free 0-10V dimming to 0%	
	DALI³	eldoLED flicker free DALI dimming to 1%	
	DALIZ³	eldoLED flicker free DALI dimming to 0%	
	DMXZ^{3,5}	flicker free DMX dimming to 0%	
	LTE^{5,6}	Lutron Hi-lume 2-Wire (Triac) dimming to 1%	
FINISH	LUT³	Lutron Hi-lume EcoSystem dimming to 1%, Soft-on & Fade-to-Black	
	LUTP⁷	Lutron Hi-lume Premier EcoSystem dimming to 0.1%, Soft-on & Fade-to-Black	
	ELV⁶	leading & trailing edge dimming (Triac/ELV)	
MOUNTING OPTIONS	BK	black	
	WH	white	
	MC	matte chrome	
	S	surface mount	
MOUNTING OPTIONS	P	pendant	
	RP	rigid pendant	
	RP5	rigid pendant 5' stem	
	RP6	rigid pendant 6' stem	
	RP8	rigid pendant 8' stem	
	RP10	rigid pendant 10' stem	

ORDERING CODE

Follow the steps to specify your fixture, example:

608RA - 6 - XTM19 - 20LM - 35K - 98 - DA60 - UNV - DIM10 - WH - RP

XTM19 (LED)	POWER		
	W (83 CRI)	W (90 CRI)	W (98 CRI)
1080	13	16	17
1660	20	23	26
2475	31	34	37
3300	41	49	N/A
4130	50	N/A	N/A

Power Factor ≥ 0.9

NOTES

- 98 CRI not available for 40LM or 50LM. 90 CRI not available for 50LM.
- B27K Beauty Series choose 98 CRI (actual 93). Available for 13LM and 20LM only.
- DIM10Z, DALI, DALIZ, DMXZ, LTE, and LUT not available for 40LM or 50LM.
- DIM10 in 40LM and 50LM uses AC Electronic 1% 0-10V dimming driver.
- DMXZ not available for Pendant.
- Triac/ELV dimming and LTE available in 120V only.
- LUTP available for 13LM only.
- HCL not available with lens. Multiply delivered lumens by (0.78) and beam spread by (0.80) when honeycomb louver is chosen.

SUNLIKE SOLAR SPECTRUM - ORDERING CODE

SERIES	608RA																				
APERTURE	6	6"																			
LED	SUN	SunLike (Seoul Semiconductor)																			
DELIVERED LUMENS	07LM	620 lm																			
	10LM	925 lm																			
	13LM	1135 lm																			
	20LM	1685 lm																			
	30LM	2520 lm																			
Calculated Delivered Lumens = [Delivered Lumen Value] x [CCT Multiplier] x [Reflector Multiplier] Standard Configuration: 3000K DA40																					
CCT	27K	2700K																			
	30K	3000K																			
	35K	3500K																			
	40K	4000K																			
	50K	5000K																			
	<table border="1"> <thead> <tr> <th>CCT</th> <th>2700K</th> <th>3000K</th> <th>3500K</th> <th>4000K</th> <th>5000K</th> </tr> </thead> <tbody> <tr> <td>CCT MULTIPLIER FOR LUMEN OUTPUT</td> <td>0.96</td> <td>1.00</td> <td>1.03</td> <td>1.08</td> <td>1.14</td> </tr> <tr> <td>EML RATIO³</td> <td>N/A</td> <td>0.57</td> <td>0.67</td> <td>0.76</td> <td>0.87</td> </tr> </tbody> </table>				CCT	2700K	3000K	3500K	4000K	5000K	CCT MULTIPLIER FOR LUMEN OUTPUT	0.96	1.00	1.03	1.08	1.14	EML RATIO ³	N/A	0.57	0.67	0.76
CCT	2700K	3000K	3500K	4000K	5000K																
CCT MULTIPLIER FOR LUMEN OUTPUT	0.96	1.00	1.03	1.08	1.14																
EML RATIO ³	N/A	0.57	0.67	0.76	0.87																
CRI	97	97 CRI																			
REFLECTOR & LM MULTIPLIER	DA40	40° diffused (1.00)																			
	DA60	60° diffused (1.00)																			
ACCESSORIES	HCL⁸	honeycomb louver																			
VOLTAGE	UNV 120	120V-277V 120V																			
DIMMING	DIM10¹	eldoLED flicker free 0-10V dimming to 1%																			
	DIM10Z¹	eldoLED flicker free 0-10V dimming to 0%																			
	DALI¹	eldoLED flicker free DALI dimming to 1%																			
	DALIZ¹	eldoLED flicker free DALI dimming to 0%																			
	DMXZ⁵	flicker free DMX dimming to 0%																			
	LTE^{5,7}	Lutron Hi-lume 2-Wire (Triac) dimming to 1%																			
FINISH	LUT⁷	Lutron Hi-lume EcoSystem dimming to 1%, Soft-on & Fade-to-Black																			
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	ELV²	leading & trailing edge (Triac/ELV) dimming to < 10% leading & trailing edge (Triac/ELV) dimming to 1%																			
MOUNTING OPTIONS	BK	black																			
	WH	white																			
	MC	matte chrome																			
	S	surface mount																			
MOUNTING OPTIONS	P	pendant																			
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	RP5	rigid pendant 5' stem																			
	RP6	rigid pendant 6' stem																			
	RP8	rigid pendant 8' stem																			
	RP10	rigid pendant 10' stem																			

ORDERING CODE

Follow the steps to specify your fixture, example:

608RA - 6 - SUN - 20LM - 35K - 97 - DA40 - UNV - DIM10 - WH - RP

SEOUL (LED)	POWER
DELIVERED LM	W (97CRI)
620	9
925	13
1135	16
1685	25
2520	41

Power Factor ≥ 0.9

NOTES

- Driver uses logarithmic dimming curve as standard. For linear dimming curve add "LIN" after dimming code, i.e. DIM10LIN.
- Triac/ELV dimming available in 120V only.
- EML = equivalent melanopic lux. To calculate EML, multiply the measured photopic lux by the EML ratio for the given CCT.
Example: 264 lux x 0.76 = 200 melanopic lux at 4000K.
- LUTP not available in 20LM or 30LM.
- DMXZ not available for Pendant.
- LTE only available in 120V.
- LTE/LUT not available in 30LM.
- HCL not available with lens. Multiply delivered lumens by (0.78) and beam spread by (0.80) when honeycomb louver is chosen.

WARM DIM - ORDERING CODE

SERIES	608RA	
APERTURE	6	6"
LED	WD	warm dim (Luminus)
DELIVERED LUMENS	10LM 13LM 20LM 30LM	750 lm 990 lm 1530 lm 2310 lm
CCT	3018	3000K, dim to 1800K
CRI	97	97 CRI
REFLECTOR & LM MULTIPLIER	DA40 DA60	40° diffused (1.00) 60° diffused (1.00)
ACCESSORIES	HCL⁵	honeycomb louver
VOLTAGE	UNV 120	120V-277V 120V
DIMMING	DIM10¹ DIM10Z¹ DALI¹ DALIZ¹ DMXZ⁴ ELV² ELV1²	eldoLED flicker free 0-10V dimming to 1% eldoLED flicker free 0-10V dimming to 0% eldoLED flicker free DALI dimming to 1% eldoLED flicker free DALI dimming to 0% flicker free DMX dimming to 0% leading & trailing edge (Triac/ELV) dimming to < 10% leading & trailing edge (Triac/ELV) dimming to 1%
FINISH	BK WH MC	black white matte chrome
MOUNTING OPTIONS	S P RP RP5 RP6 RP8 RP10	surface mount pendant rigid pendant rigid pendant 5' stem rigid pendant 6' stem rigid pendant 8' stem rigid pendant 10' stem

ORDERING CODE

Follow the steps to specify your fixture, example:

608RA - 6 - WD - 20LM - 3018 - 97 - DA40 - UNV - DIM10 - WH - RP

LUMINUS (LED)	POWER	CCT AT LIGHT LEVEL (%LF) ³				
		%LF	30LM	20LM	13LM	10LM
DELIVERED LM	W (97CRI)					
750	13	100%	3000	3000	3000	3000
990	17	50%	3000	3000	3000	2800
1530	27	25%	2800	2800	2500	2300
2310	40	10%	2200	2200	2000	1900
		5%	1800	1800	1800	1800

Power Factor ≥ 0.9

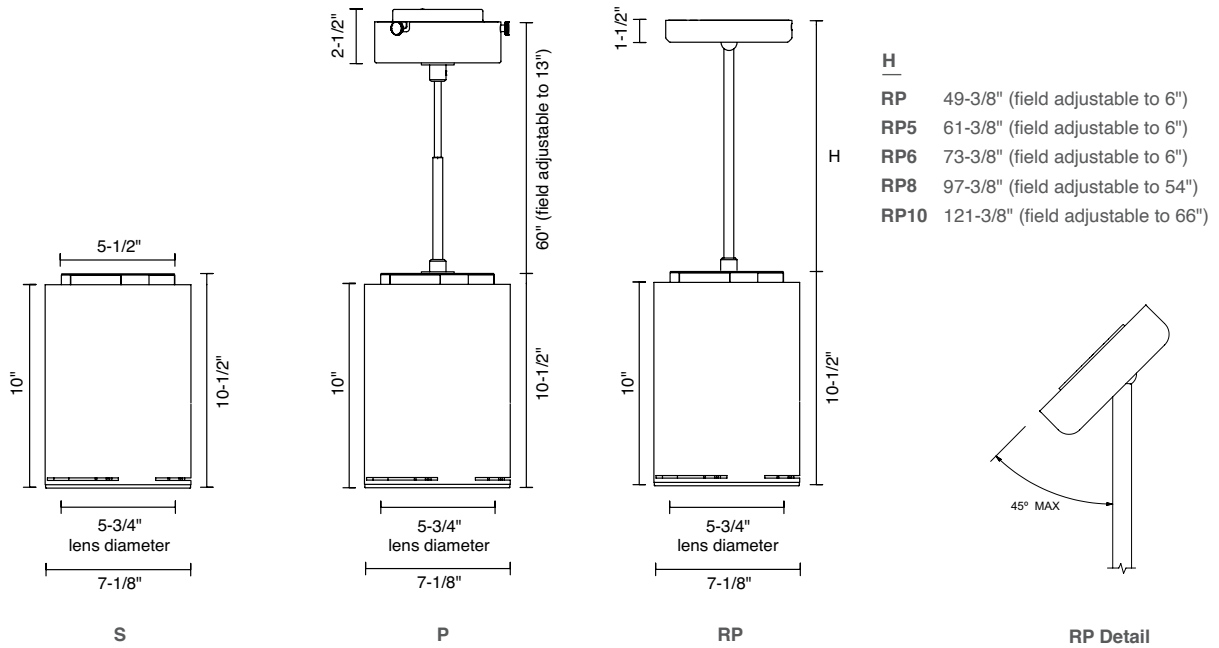
NOTES

1. Driver uses logarithmic dimming curve as standard. For linear dimming curve add "LIN" after dimming code, i.e. DIM10LIN.
2. Triac/ELV dimming available in 120V only.
3. Values shown are for reference only. Actual CCT may vary.
4. DMXZ not available for Pendant.
5. HCL not available with lens. Multiply delivered lumens by (0.78) and beam spread by (0.80) when honeycomb louver is chosen.

MOUNTING OPTIONS

Mounting Options

- S surface mount
- P pendant
- RP rigid pendant



LITEOPTICS

Follow the steps to specify your fixture, example:
608RA - 6 - XTM19 - 20LM - 35K - 98 - DA60 - UNV - DIM10 - MC - RP - CRO

LiteOptics

- CGS clear screen acrylic - 6"
- CRO corona ring - 6"
- DFS diffusing screen - 6"

