



**Specifier's Reference**

Project
Type
Model No.
Comments

**application**

- Philips Omega Revelation LED Cylinders utilizes proprietary remote phosphor technology to produce one of the most efficient and advanced LED systems available for general illumination.

**light engine**

- Philips Omega mixing chamber/optical assembly: Remote phosphor technology provides increased efficiency and color stability by redirecting back reflected light. The phosphor lens assembly converts high brightness royal blue light into white light for an even diffused pattern, eliminating bright spots often created by individual LEDs. This technology provides consistent, stable color with CCT color control of +/- 100K over the life of the light engine and provides 20% higher efficiency.
- LED Array: The LED Array consist of a metal core circuit board with 22 high brightness royal blue LEDs.
- Color: Available in three CCT options, 3000K, 3500K or 4000K with 80CRI +/-2%. 70C maximum operating temperature, -20C minimum starting temperature.
- Electrical: The power supply/driver features Advance Intelli-volt 120-277VAC 50/60hz, standard dimming driver with 0-10V analog dimming capability. The power supply is overload and short circuit protected as well as thermally regulated to prevent overheating. Sound rating A. Refer to dimming compatibility spec sheet for complete details. Driver has rated lifetime of 50,000 hours. 70C maximum operating temperature, -20C minimum starting temperature.
- Lifetime/Lumen Maintenance: 50,000 hour lifetime at 70% lumen maintenance light engine. (L70)
- 2000 lumens is an average lumen value. Lumen values vary from 1900 to over 2450 lumens depending on kelvin temperature and reflector type.

**construction**

- Thermal Management: A proprietary die-cast aluminum heat sink allows for easy and tool-less installation to the housing yoke. The heat sink is designed to properly maintain junction temperatures to provide reliable performance over the life of the light engine. The heat sink incorporates alignment tabs to properly position with the housing. Rust resistant springs are used to secure the reflector to the light engine. Fixtures should not operated or exceed ambient temperature above 40°C.
- Housing: Extruded aluminum cylinder is painted textured white with baked polyester powder coat finish, UV stabilized.
- Reflector: Precision spun .050 aluminum reflectors are self flanged and snap to heat sink for consistent alignment to the optical assembly. Provides 50 degree visual cutoff to source and source image.
- Service: Modular construction allows for easy maintenance of complete system. Removing reflector provides easy access to heat sink and light engine assembly. This assembly may be removed by depressing the springs which attach to the yoke and then simply opening protective cover and unplugging push in connector from LED board.
- Aligning Canopy: Self aligning outlet box cover. Attaches to 3-1/4" or 4" octagon outlet box (by others). Allows for up to 45° adjustability for use with sloped ceilings or seismic requirements.

**listings & warranty**

- Approvals: ETL, cUL (Suitable for damp location. Must specify for wet location.)
- LED life calculations are based upon application junction temperatures an driver currents at or below IESNA - LM-80-08 manufacturer's test data. IES test performed per IESNA - LM-79-08.
- 5 year Warranty



**Green Choice: OM6LED39PC30KMDCSU**

**OM6LED39**

**Family**

**OM6LED39** – 6 inch aperture

**CCT**

**30K** – 3000K  
**35K** – 3500K  
**40K** – 4000K

**Product Family**

**SC** – Surface Cylinder  
**WC** – Wall Cylinder  
**PC** – Pendant Cylinder<sup>2</sup>

**Distribution**

**MD** – Medium Distribution  
**WD** – Wide Distribution

**Reflector Finish**

**CS** – Clear Specular  
**CSS** – Clear Semi-Specular  
**HZ** – Haze  
**GS** – Gold Specular  
**WT** – Wheat  
**PW** – Pewter  
**BZ** – Bronze  
**WH** – White, Paint  
**FF** – Finish Flange (as suffix to color)

**Housing Finish**

**BLANK** – White  
**BZ** – Bronze  
**BK** – Black  
**ALA** – Aluminum

**Supply Voltage**

**U** – 120/277

**Options**

**WL** – Wet Location  
**EM** – Emergency Remote Mount<sup>1</sup>

**Footnotes**

- Not available on wall mounted version: Delivered lumen output in emergency mode ranges from 500-550 lumens.
- Pendant stem length is 21" standard, consult factory for other lengths.

**General Notes**

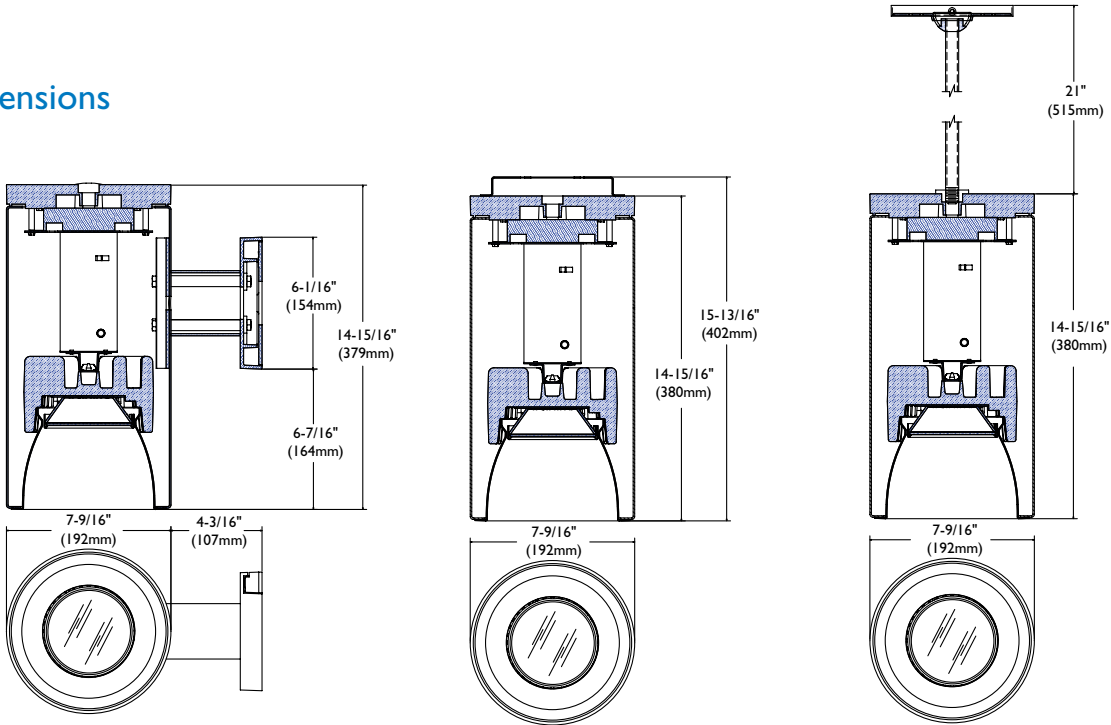
Lumen output varies depending on CCT and distribution. Refer to specific IES files for details.

## energy data

### 2000 Lumen Package

Input Voltage	Input Current	Drive Current	Input Power	LED Power	THD %	Power Factor
120	0.36	520mA	39	35.4	10%	>0.9
277	0.17	520mA	39	35.4	10%	>0.9

## dimensions



photometrics

OM6LED39PC30KMDCSU

Tested to LM-79 standards.

<b>Clear Specular Reflector</b> <b>Test No.</b> 28989D2 <b>S/MH</b> (0 degree plane) .86 <b>Lamp Type</b> (1) 22 Royal Blue LEDs <b>Total Fixture Lumens</b> 2102 <b>IES File</b> 28989D2.ies <b>Input Watts</b> 39 <b>Beam Angle</b> 59.30 <b>Luminaire Efficacy</b> 52.6 LPW		<b>Candela</b>			
		<b>Degrees</b>	<b>At 0°</b>	<b>At 90°</b>	<b>Foot Lamberts</b>
		90	0	0	
		85	0	0	0
		75	1	1	62
		65	1	1	38
		55	3	3	84
		45	77	77	1742
		35	517	517	
		25	1978	1978	
15	2194	2194			
5	2321	2321			
0	2352	2352			

Lighting Performance Data				
Ceiling Height (feet)	Initial Footcandles	Beam Diameter (Ft/In)		
8	77.8	6 - 3		
10	41.8	8 - 6		
12	26.1	10 - 10		
14	17.8	13 - 1		
16	12.9	15 - 4		

Coefficients of Utilization						
pcc	80		70		50	
	50	30	50	30	50	30
RCR						
0	118	118	118	118	115	115
1	113	111	109	107	111	109
2	109	104	100	96	106	102
3	103	96	93	89	101	95
4	97	91	85	81	96	90
5	93	85	80	76	92	84
6	89	81	75	70	88	80
7	84	76	70	66	83	76
8	81	71	66	61	80	70
9	77	68	63	58	76	68
10	73	65	58	55	72	64

OM6LED39PC30KWDCS

Tested to LM-79 standards.

<b>Clear Specular Reflector</b> <b>Test No.</b> 28990D2 <b>S/MH</b> (0 degree plane) 1.2 <b>Lamp Type</b> (1) 22 Royal Blue LEDs <b>Total Fixture Lumens</b> 2391 <b>IES File</b> 28990D2.ies <b>Input Watts</b> 39 <b>Beam Angle</b> 82.27 <b>Luminaire Efficacy</b> 59.8 LPW		<b>Candela</b>			
		<b>Degrees</b>	<b>At 0°</b>	<b>At 90°</b>	<b>Foot Lamberts</b>
		90	0	0	
		85	0	0	0
		75	1	1	62
		65	2	2	76
		55	8	8	223
		45	310	310	7014
		35	1243	1243	
		25	1600	1600	
15	1621	1621			
5	1502	1502			
0	1501	1501			

Lighting Performance Data				
Ceiling Height (feet)	Initial Footcandles	Beam Diameter (Ft/In)		
8	49.6	9 - 7		
10	26.7	13 - 1		
12	16.6	16 - 7		
14	11.3	20 - 1		
16	8.2	23 - 7		

Coefficients of Utilization						
pcc	80		70		50	
	50	30	50	30	50	30
RCR						
0	118	118	118	118	115	115
1	112	110	107	105	111	108
2	107	102	96	93	105	100
3	101	93	88	83	98	92
4	94	86	80	76	93	84
5	89	80	73	68	88	79
6	83	73	68	63	81	72
7	79	68	61	57	78	68
8	75	64	56	53	72	63
9	69	59	53	48	68	58
10	66	56	48	45	65	55



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Contact Factory for Additional Configurations.  
 Specifications are subject to change without notice.  
 Consult website for latest version of this spec sheet.  
 Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled, "Contain Mercury" and/or the symbol "HG". Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and disposal can be found at [www.lamprecycle.org](http://www.lamprecycle.org)

