

## Tube Architectural

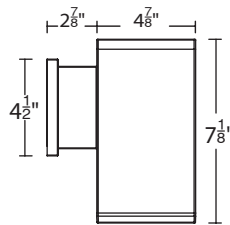
### 5" Wall Mount

DS-WS05 | DS-WS0517

Fixture Type: \_\_\_\_\_  
 Project: \_\_\_\_\_  
 Catalog#: \_\_\_\_\_  
 Location: \_\_\_\_\_



#### LINE DRAWING



#### PRODUCT DESCRIPTION

The latest energy efficient LED technology in an appealing cylindrical profile delivers accent and wall wash lighting. Comes in various light distribution and beam angle options.

#### SPECIFICATIONS

<b>Construction:</b>	Durable die-cast aluminum construction
<b>Mounting:</b>	Wall mounted
<b>Light Source:</b>	High output 3-step Mac Adam Ellipse COB Rated life of 60,000 hours at L70
<b>Input:</b>	Universal 120-277V AC 50/60 Hz
<b>Dimming:</b>	Electronic low voltage (ELV) : 100 - 5% 0-10V: 100 - 1%
<b>Maximum Delivered Intensity:</b>	Up to 13062x2 cd (Spot 16°, 4000K, CRI 85)
<b>Maximum Delivered Output:</b>	Up to 2470x2 lm (Flood 33°, 4000K, CRI 85)
<b>Operating Temperature:</b>	-13°F to 122°F (-25°C to 50°C)
<b>Standards:</b>	IP65 rated, ETL & cETL wet location listed Title 24 JA8-2016 Compliant
<b>Warranty:</b>	5 year WAC Lighting guaranteed warranty

#### BEAM ANGLES



#### FINISHES



Beam Angle	Color Temp	CRI	Reference Lumens	Output <sup>1</sup> CBCP	Efficacy (Lm/W)	Light Direction
S Spot 16°	927	2700K	90	1825	10050	73
	827	2700K	85	2190	12057	88
	930	3000K	90	1895	10427	76
	830	3000K	85	2300	12644	92
	835	3500K	85	2350	12937	94
840	4000K	85	2375	13062	95	
N Narrow 25°	927	2700K	90	1810	5280	72
	827	2700K	85	2170	6335	87
	930	3000K	90	1880	5478	75
	830	3000K	85	2275	6643	91
	835	3500K	85	2330	6797	93
840	4000K	85	2350	6863	94	
F Flood 33°	927	2700K	90	1900	4515	76
	827	2700K	85	2280	5417	91
	930	3000K	90	1970	4685	79
	830	3000K	85	2390	5681	96
	835	3500K	85	2445	5812	98
840	4000K	85	2470	5870	99	

Reference output shows 25W output. Multiply by 0.7 to determine output for 17W combinations.

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### ORDERING INFORMATION

CONFIGURATION TABLE				
Model & Size	Beam	Color Temperature & CRI	Light Direction	Housing Finish
<b>DS-WS05</b> (25W) <b>DS-WS0517</b> (17W)	<b>S</b> - 16°	<b>827</b> - 2700K - 85	<b>S</b> - Straight	<b>BK</b> - BLACK
	<b>N</b> - 25°	<b>830</b> - 3000K - 85	<b>A</b> - Away	<b>BZ</b> - BRONZE
	<b>F</b> - 33°	<b>835</b> - 3500K - 85	<b>B</b> - Towards	<b>GH</b> - GRAPHITE
		<b>840</b> - 4000K - 85		
		<b>927</b> - 2700K - 90		
		<b>930</b> - 3000K - 90		
			<b>WT</b> - WHITE	

**DS-WS05-\_\_\_\_\_ - \_\_\_\_**

Example: DS-WS05-N927-BK

#### ORDERING NOTES

- 16° and 25° can only be ordered with the Light Direction "S-Straight".
- 33° beam fixtures can be ordered with the Light Directions "S-Straight", "A-Away", and "B-Towards".

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## 5" Wall Mount

DS-WS05 | DS-WS0517

Fixture Type: \_\_\_\_\_

Project: \_\_\_\_\_

Catalog#: \_\_\_\_\_

Location: \_\_\_\_\_

### FEATURES

<p><b>Optics:</b></p> <ul style="list-style-type: none"> <li>• High lumen output at six different CCT/CRI combinations available</li> </ul>	<p><b>Construction:</b></p> <ul style="list-style-type: none"> <li>• Solid aluminum construction</li> <li>• IP65 wet location listed</li> <li>• Driver concealed within fixture body</li> </ul>
<p><b>LED:</b></p> <ul style="list-style-type: none"> <li>• High output COB LED with a 3-step Mac Adam ellipse</li> <li>• Rated operational life of 60,000 hours at L70 (LED maintains 70% of its initial delivered lumens when brand new for 60,000 hours of use.)</li> </ul>	<p><b>Trim and Reflector:</b></p> <ul style="list-style-type: none"> <li>• Available in three different beam angles (16°, 25°, and 33°) that are sold separately</li> </ul>
<p><b>Electrical:</b></p> <ul style="list-style-type: none"> <li>• Available in 17W and 25W power levels</li> </ul>	<p><b>Installation:</b></p> <ul style="list-style-type: none"> <li>• Mounting plate secures the fixture to the applicable junction box</li> <li>• Reflector can be replaced by removing one front panel assembly</li> </ul>
<p><b>Dimming:</b></p> <ul style="list-style-type: none"> <li>• Electronic Low Voltage (ELV) and 0-10V dimming are available</li> <li>• ELV dimming is capable of a 100 - 5% range</li> <li>• 0-10V dimming is capable of a 100 - 1% range</li> </ul>	<p><b>Warranty:</b></p> <ul style="list-style-type: none"> <li>• WAC Architectural limited warranty up to 5 years</li> <li>• Full warranty found at: <a href="http://wacighting.com/warranty">wacighting.com/warranty</a></li> </ul>
<p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>• The White, Black, Bronze, and Graphite finishes are all electrostatically powder coated</li> </ul>	

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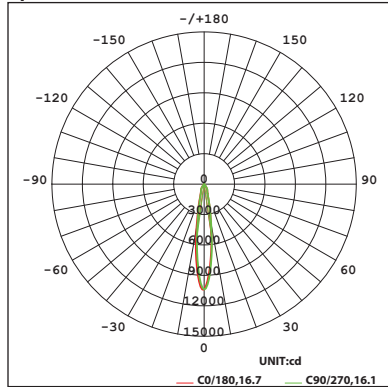
Location: \_\_\_\_\_

### PERFORMANCE DATA

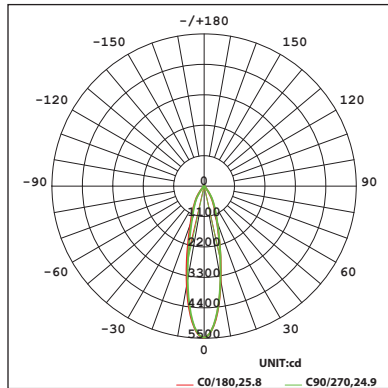
#### Polar Candela Distribution Charts

Samples shown with a 25W fixture set to 3000K and 90 CRI.

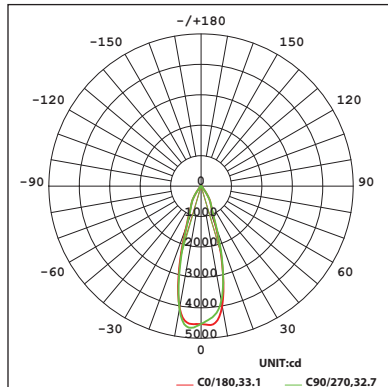
##### Spot Beam: 16° Beam



##### Narrow Flood Beam: 25° Beam



##### Flood Beam: 33° Beam



#### Unified Glare Rating (UGR) Table

UGR values shown are calculated for the Spot Beam (16°) optic at 3000K and 90 CRI. General performance of other beam angles shown below.

ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions	Viewed crosswise					Viewed endwise					
x = 2H y = 2H	5.8	6.5	6.0	6.7	6.9	5.5	6.2	5.7	6.4	6.6	
3H	6.1	6.8	6.4	7.1	7.3	5.8	6.6	6.1	6.8	7.0	
4H	6.4	7.1	6.7	7.4	7.6	6.2	6.8	6.5	7.1	7.3	
6H	6.8	7.5	7.1	7.7	8.0	6.5	7.2	6.9	7.5	7.7	
8H	7.0	7.7	7.4	7.9	8.2	6.8	7.4	7.1	7.7	8.0	
12H	7.3	7.9	7.7	8.2	8.5	7.0	7.6	7.4	7.9	8.2	
4H	2H	5.8	6.5	6.1	6.7	7.0	5.5	6.2	5.8	6.4	6.7
3H	6.3	6.9	6.6	7.2	7.5	6.1	6.7	6.4	7.0	7.3	
4H	6.8	7.3	7.1	7.6	8.0	6.5	7.1	6.9	7.4	7.8	
6H	7.3	7.8	7.7	8.2	8.6	7.2	7.6	7.6	8.0	8.4	
8H	7.6	8.1	8.1	8.5	8.9	7.5	7.9	7.9	8.3	8.7	
12H	8.0	8.5	8.5	8.9	9.3	7.9	8.3	8.3	8.7	9.2	
8H	4H	6.9	7.4	7.3	7.7	8.2	6.7	7.2	7.1	7.6	8.0
6H	7.6	8.0	8.1	8.5	8.9	7.5	7.9	8.0	8.4	8.8	
8H	8.1	8.4	8.6	8.9	9.4	8.1	8.4	8.5	8.8	9.3	
12H	8.6	8.9	9.1	9.4	9.9	8.7	9.0	9.2	9.4	10.0	
12H	4H	6.9	7.3	7.4	7.7	8.2	6.7	7.1	7.2	7.6	8.0
6H	7.7	8.1	8.2	8.5	9.0	7.6	8.0	8.1	8.4	8.9	
8H	8.2	8.5	8.7	9.0	9.5	8.2	8.5	8.7	9.0	9.5	

Beam	Angle	UGR Range
Spot	16°	≤10
Narrow Flood	25°	≤11
Flood	33°	≤10