

## Tube Architectural

### 5" Color Changing Wall Mount

DS-WS05 (CC)

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

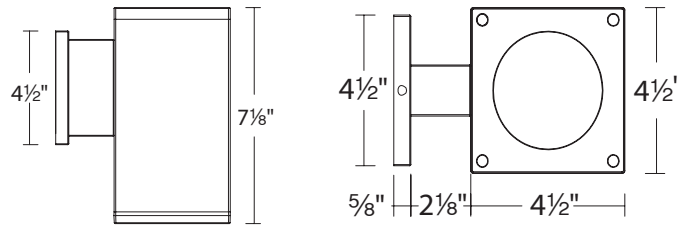
Project: \_\_\_\_\_

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

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



#### LINE DRAWING



#### PRODUCT DESCRIPTION

The Tube Architectural Color Changing features a state of the art LED color and CCT tuning technology. Controlled via DMX-512A input with pendant, ceiling, and wall mounting options, the Tube Architectural provides top-notch illumination for both interior and exterior spaces.

#### 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 50,000 hours at L70
<b>CCT Range:</b>	1800 - 6500K
<b>Input:</b>	Universal 120-277V AC 50/60 Hz
<b>Controls:</b>	DMX512-A with RDM
<b>Dimming:</b>	DMX512-A with RDM: 100 - 1%
<b>Maximum Delivered Intensity:</b>	Up to 8600 cd (Spot 18°, 6500K, CRI 90)
<b>Maximum Delivered Output:</b>	Up to 1680 lm (Flood (A,B) 90°, 6500K, CRI 90)
<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 Compliant
<b>Warranty:</b>	5 year WAC Lighting guaranteed warranty

#### BEAM ANGLES



#### FINISHES



Beam	Beam Angle	Color Temp	CRI	Reference Output <sup>1</sup> Lumens	CBCP	Light Direction
<b>S</b> Spot	18°	930 3000K	90	1455	7555	<b>S</b> Straight
<b>N</b> Narrow	30°	930 3000K	90	1430	2920	
<b>F</b> Flood	50°	930 3000K	90	1385	1540	<b>A</b> Away
<b>F</b> Flood	90°	930 3000K	90	1515	-	<b>B</b> Towards

Reference output based on performance measured at 3000K.

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**ORDERING INFORMATION**

CONFIGURATION TABLE				
Model & Size	Beam	Light Direction	Color Temperature & CRI	Housing Finish
<b>DS-WS05 (20W)</b>	<b>S - 18°</b>	<b>S - Straight</b>	<b>CC - Color Changing</b>	<b>BK - BLACK</b>
	<b>N - 30°</b>	<b>A - Away</b>		<b>BZ - BRONZE</b>
	<b>F - 50°</b>	<b>B - Towards</b>		<b>GH - GRAPHITE</b>
	<b>F - 90°</b>			<b>WT - WHITE</b>

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

Example: DS-WS05-FA-CC-GH

ORDERING NOTES
1. 18°, 30°, and 50° beams can only be ordered with the Light Direction "S-Straight".
2. 90° beam fixtures can only be ordered with the Light Directions "A-Away" and "B-Towards".

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**FEATURES**

<p><b>Optics:</b></p> <ul style="list-style-type: none"> <li>• High lumen output across a full color changing spectrum</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 50,000 hours at L70 (LED maintains 70% of its initial delivered lumens when brand new for 50,000 hours of use.)</li> </ul>	<p><b>Trim and Reflector:</b></p> <ul style="list-style-type: none"> <li>• Available in four different beam angles (18°, 30°, 50°, and 90°) that are sold separately</li> </ul>
<p><b>Electrical:</b></p> <ul style="list-style-type: none"> <li>• Available in a 20W power level</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>• DMX512-A with DMX commissioning via RDM available</li> <li>• Intensity control from 100 - 1% in CCT and color via DMX512-A</li> <li>• Full color gamut control through gradients of saturated colors from 1 - 100%</li> <li>• Full Tunable White (CCT) range of 1800K - 6500K</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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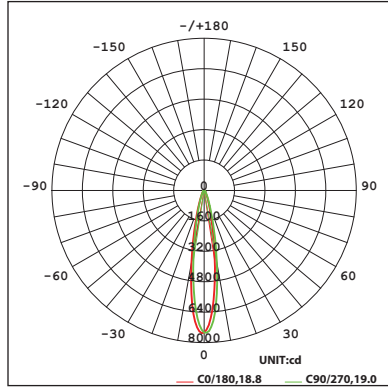
Location: \_\_\_\_\_

### PERFORMANCE DATA

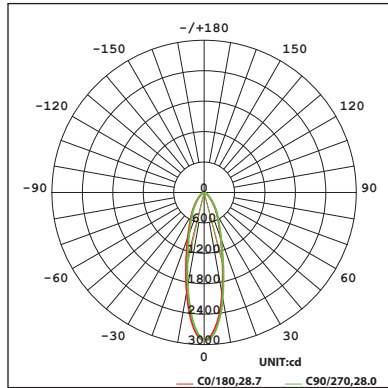
#### Polar Candela Distribution Charts

Samples shown at 3000K

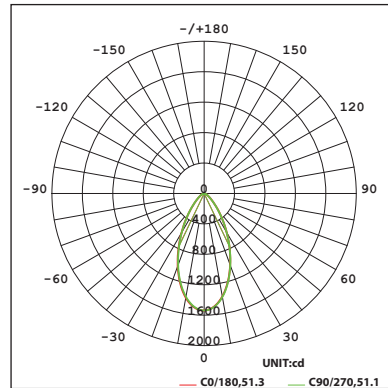
##### Spot Beam: 18° Beam



##### Narrow Flood Beam: 30° Beam



##### Flood Beam: 50° Beam



#### Unified Glare Rating (UGR) Table

UGR values shown are calculated for the Spot Beam (16°) optic at 3000K. 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	18.7	19.5	18.9	19.7	19.8	18.4	19.2	18.6	19.3	19.5
3H	19.4	20.1	19.6	20.3	20.5	19.1	19.8	19.3	20.0	20.2
4H	19.6	20.3	19.9	20.5	20.7	19.2	19.9	19.5	20.1	20.3
6H	19.6	20.3	19.9	20.5	20.8	19.3	19.9	19.6	20.2	20.4
8H	19.6	20.3	19.9	20.5	20.8	19.2	19.9	19.5	20.1	20.4
12H	19.6	20.2	19.9	20.5	20.8	19.2	19.8	19.5	20.1	20.4
4H	2H	19.0	19.7	19.3	19.9	20.1	18.7	19.4	19.0	19.7
	3H	19.8	20.4	20.1	20.7	21.0	19.5	20.1	19.8	20.4
	4H	20.1	20.6	20.4	20.9	21.2	19.7	20.3	20.1	20.6
	6H	20.2	20.7	20.5	21.0	21.3	19.8	20.3	20.2	20.6
	8H	20.2	20.6	20.6	21.0	21.4	19.8	20.3	20.2	20.6
	12H	20.1	20.6	20.5	20.9	21.3	19.8	20.2	20.2	20.6
8H	4H	20.1	20.5	20.5	20.9	21.3	19.8	20.2	20.2	20.6
	6H	20.2	20.6	20.7	21.0	21.4	19.9	20.3	20.3	20.7
	8H	20.2	20.6	20.7	21.0	21.4	19.9	20.2	20.3	20.6
	12H	20.2	20.5	20.7	20.9	21.4	19.9	20.1	20.3	20.6
12H	4H	20.0	20.5	20.4	20.8	21.2	19.7	20.2	20.1	20.5
	6H	20.2	20.5	20.6	21.0	21.4	19.9	20.2	20.3	20.6
	8H	20.2	20.5	20.7	20.9	21.4	19.9	20.2	20.3	20.6

Beam	Angle	UGR Range
Spot	16°	≤22
Narrow Flood	25°	≤25
Flood	33°	≤25