

CUBE

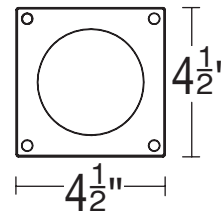
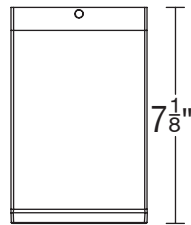
5" Ceiling Mount - Color Changing

DC-CD05

Fixture Type: _____
 Project: _____
 Catalog#: _____
 Location: _____



LINE DRAWING



PRODUCT DESCRIPTION

The Cube 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 Cube Architectural provides top-notch illumination for both interior and exterior spaces.

SPECIFICATIONS

Construction:	Durable die-cast aluminum construction
Mounting:	Ceiling mounted
Light Source:	High output 3-step Mac Adam Ellipse COB Rated life of 50,000 hours at L70
CCT Range:	1800 - 6500K
Input:	Universal 120-277V AC 50/60 Hz
Controls:	DMX512-A with DMX commissioning via RDM
Dimming:	Electronic low voltage (ELV) : 100 - 5% 0-10V: 100 - 1%
Maximum Delivered Intensity:	Up to 8600 cd (Spot 18°, 6500K, CRI 90)
Maximum Delivered Output:	Up to 1680 lm (Flood (A,B,) 90°, 6500K, CRI 90)
Operating Temperature:	-13°F to 122°F (-25°C to 50°C)
Standards:	IP65 rated, ETL & cETL wet location listed Title 24 JA8-2016 Compliant
Warranty:	5 year WAC Lighting guaranteed warranty

BEAM ANGLES



S - 18°



N - 30°



F - 50°

FINISHES



Black
BK



Bronze
BZ



Graphite
GH



White
WT

Beam	Beam Angle	Color Temp	CRI	Reference Lumens	Output CBCP ¹
S <i>Spot</i>	18°	930 3000K	90	1455	7555
N <i>Narrow</i>	30°	930 3000K	90	1430	2920
F <i>Flood</i>	50°	930 3000K	90	1385	1540

Reference output based on performance measured at 3000K.

CUBE

5" Ceiling Mount - Color Changing

DC-CD05

Fixture Type: _____

Project: _____

Catalog#: _____

Location: _____

ORDERING INFORMATION

CONFIGURATION TABLE			
Model & Power	Beam	Color Temperature & CRI	Housing Finish
DC-CD05	S - 18° N - 30° F - 50°	CC - Color Changing	BK - BLACK BZ - BRONZE GH - GRAPHITE WT - WHITE

DC-CD05-_-CC-__

Example: DC-CD05-S-CC-WT

CUBE

5" Ceiling Mount - Color Changing

DC-CD05

Fixture Type: _____

Project: _____

Catalog#: _____

Location: _____

FEATURES

<p>Optics:</p> <ul style="list-style-type: none"> • High lumen output across a full color changing spectrum 	<p>Construction:</p> <ul style="list-style-type: none"> • Solid aluminum construction • IP65 wet location listed • Driver concealed within fixture body
<p>LED:</p> <ul style="list-style-type: none"> • High output COB LED with a 3-step Mac Adam ellipse • 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.) 	<p>Trim and Reflector:</p> <ul style="list-style-type: none"> • Available in three different beam angles (18°, 30°, and 50°) that are sold separately
<p>Electrical:</p> <ul style="list-style-type: none"> • Available in a 20W power level 	<p>Installation:</p> <ul style="list-style-type: none"> • Mounting plate secures the fixture to the applicable junction box • Reflector can be replaced by removing one front panel assembly
<p>Dimming:</p> <ul style="list-style-type: none"> • DMX512-A with DMX commissioning via RDM available • Intensity control from 100 - 1% in CCT and color via DMX512-A • Full color gamut control through gradients of saturated colors from 1 - 100% • Full Tunable White (CCT) range of 1800K - 6500K 	<p>Warranty:</p> <ul style="list-style-type: none"> • WAC Architectural limited warranty up to 5 years • Full warranty found at: wacighting.com/warranty
<p>Notes:</p> <ul style="list-style-type: none"> • The White, Black, Bronze, and Graphite finishes are all electrostatically powder coated 	

CUBE

5" Ceiling Mount - Color Changing

DC-CD05

Fixture Type: _____

Project: _____

Catalog#: _____

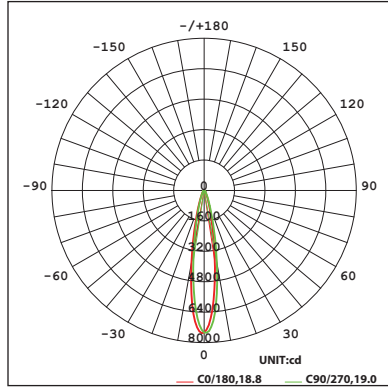
Location: _____

PERFORMANCE DATA

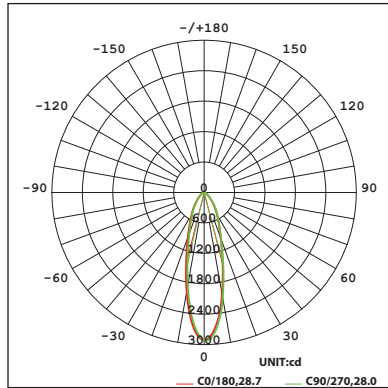
Polar Candela Distribution Charts

Samples shown at 3000K

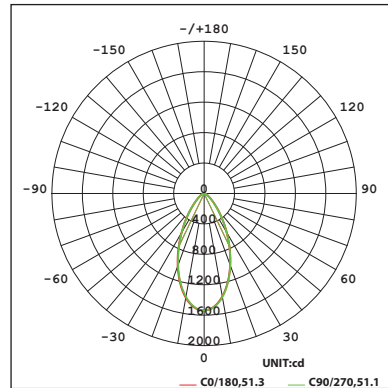
Spot Beam: 18° Beam



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	19.9
	3H	19.8	20.4	20.1	20.7	21.0	19.5	20.1	19.8	20.4	20.7
	4H	20.1	20.6	20.4	20.9	21.2	19.7	20.3	20.1	20.6	20.9
	6H	20.2	20.7	20.5	21.0	21.3	19.8	20.3	20.2	20.6	21.0
	8H	20.2	20.6	20.6	21.0	21.4	19.8	20.3	20.2	20.6	21.0
	12H	20.1	20.6	20.5	20.9	21.3	19.8	20.2	20.2	20.6	21.0
8H	4H	20.1	20.5	20.5	20.9	21.3	19.8	20.2	20.2	20.6	21.0
	6H	20.2	20.6	20.7	21.0	21.4	19.9	20.3	20.3	20.7	21.1
	8H	20.2	20.6	20.7	21.0	21.4	19.9	20.2	20.3	20.6	21.1
	12H	20.2	20.5	20.7	20.9	21.4	19.9	20.1	20.3	20.6	21.1
12H	4H	20.0	20.5	20.4	20.8	21.2	19.7	20.2	20.1	20.5	20.9
	6H	20.2	20.5	20.6	21.0	21.4	19.9	20.2	20.3	20.6	21.1
	8H	20.2	20.5	20.7	20.9	21.4	19.9	20.2	20.3	20.6	21.1

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