

# alphabet

PROJECT INFORMATION		
JOB NAME		TYPE
ORDERING CODE		

## BETA 6

### 6" Cylinder Adjustable RGBW



35° - 50° BEAM (Note: Specifications are subject to change without notice)		
22mm COLOR TUNING MODULE PERFORMANCE DATA		
LED LIGHT ENGINE	NOMINAL DELIVERED LUMENS	SYSTEM WATTAGE
10LM	960LM @30K/90CRI	25W
Notes	Delivered lumens based on 50D optic with no lens, (see page 2)	

CASAMBI

#### FEATURES

- Seamless extrusion with powder coated finish for clean aesthetics
- Thermally optimized for longevity
- True 40° Tilt with <5% beam disruption (clipping)
- RGB (W) five white CCT options available.
- Concentric Tilt Tracking ensures minimal light loss
- 35° - 50° optical beam control
- Micro slim canopy option at 1/4" depth, diameter of stem 3/8" IP
- Multiple mounting, glare control options, trims, and finishes available

#### DIMMING AND CONTROLS

- DMX control, dimmable to 1% + RDM
- BLE mesh network control, profile allows color mixing on Casambi app

#### CONSTRUCTION

- Extruded aluminum housing
- Lexan™ (PC) Optimal connectivity for wireless control signal
- Machined aluminum canopy
- SVT pendant cord

#### LED

- Lumiled LUXEON C Color Line
- SDCM = 2-step MacAdam Ellipse, Duv +/- 0.002, Lumen Maintenance: L<sub>70</sub> > 50,000 hrs

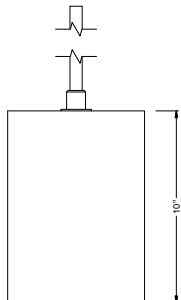
#### LISTING

- ULus Listed to UL1598 & UL2108; cUL Listed to CSA C22.2 #250.0
- Suitable for dry and damp locations
- Made in the USA - meets the requirements of the Buy American provision within the ARRA
- 5 Year Limited warranty

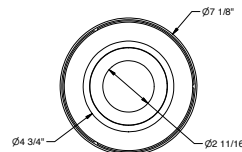
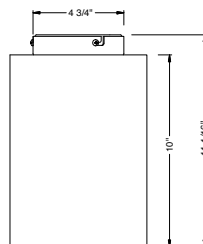
#### ELECTRICAL

- 120V-277V
- Power factor ≥ 0.9
- Max ambient temperature 50C
- Battery Backup not offered. Emergency Generator/Inverter/Controls-Override Device supplied by others

#### PENDANT



#### SURFACE MOUNT



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## 35°- 50° BEAM ORDERING CODE

<b>SERIES</b>	<b>BETA</b>	BETA
<b>TYPE</b>	<b>6RA</b>	6" round adjustable
<b>LED</b>	<b>RGBW</b>	4 channel color module
<b>DELIVERED LUMENS</b>	<b>10LM<sup>1</sup></b>	960
	Standard Configuration: 50D Calculated Delivered Lumens = [Delivered Lumen Value] x [Optic Multiplier] x [Lens Multiplier]	
<b>CCT</b>	<b>27K</b>	RGBW with white at 2700K
	<b>30K</b>	RGBW with white at 3000K
	<b>35K</b>	RGBW with white at 3500K
	<b>43K</b>	RGBW with white at 4300K
	<b>65K</b>	RGBW with white at 6500K
<b>CRI</b>	<b>90</b>	90 CRI
<b>OPTIC &amp; LM MULTIPLIER</b>	<b>35D</b>	35 degrees (0.98)
	<b>40D</b>	40 degrees (0.93)
	<b>50D</b>	50 degrees (1.00)
<b>BEZEL LENS</b>	<b>NL</b>	no lens (1.00)
	<b>CL</b>	clear lens (0.99)
<b>FINISH</b>	<b>BK</b>	black
	<b>WH</b>	white
	<b>MC</b>	matte chrome
<b>BEZEL COLOR</b>	<b>BK</b>	black (0.98)
	<b>WH</b>	white (1.00)
	<b>MC</b>	matte chrome (0.99)

## 35°- 50° BEAM ORDERING CODE

<b>MOUNTING OPTIONS</b> SEE PAGE 5	<b>S</b>	surface mount
	<b>JCOV-S</b>	conduit junction box cover with knockouts, surface
	<b>RP</b>	rigid pendant 4' stem with swivel stem/canopy
	<b>RP5</b>	rigid pendant 5' stem with swivel stem/canopy
	<b>RP6</b>	rigid pendant 6' stem with swivel stem/canopy
	<b>RP8</b>	rigid pendant 8' stem with swivel stem/canopy
	<b>RP10</b>	rigid pendant 10' stem with swivel stem/canopy
	<b>RPF2</b>	rigid pendant 2' with fixed stem/canopy
	<b>RPF3</b>	rigid pendant 3' with fixed stem/canopy
	<b>RPF4</b>	rigid pendant 4' with fixed stem/canopy
<b>RPF6</b>	rigid pendant 6' with fixed stem/canopy	
<b>JCOV-XX<sup>1</sup></b>	conduit junction box cover with knockouts, complete XX code with desired pendant mount	
<b>VOLTAGE</b>	<b>UNV</b>	120V-277V
<b>DIMMING</b>	<b>DMX</b>	DMX control, dimmable to 1% + RDM
	<b>CAS</b>	Casambi Bluetooth control with flicker free 1% dimming

## YOUR COMPLETED ORDERING CODE

Follow the steps to specify your fixture, example:		
<b>BETA - 6RA - RGBW - 10LM - 35K - 90 - 35D - NA - HET - WH - WH - RP - UNV - CAS</b>		

### NOTES

1. JCOV available with RPF mounting.

\*RP mounting with swivel is recommended to be installed on a 4in square or 4in deep regress 2-1/8" octagonal junction box.

\*Slim canopy with rigid stem connection shall be used in jurisdictions that DO NOT require light fixtures to freely swing in lateral directions, complying with local and national building codes.

\*Driver uses logarithmic dimming curve as standard. For linear dimming curve add "LIN" after dimming code, i.e. DIM10LIN.

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## TRIM OPTIONS

### TRIM/BEZEL COLORS



## OPTICAL OPTIONS

- UGR calculation based on CIE 117-1995; room size: 4H X 8H, reflectance: 70/50/20;
- UGR calculation based on 10LM fixtures, WH Bezel, unless otherwise noted.



OPTIC	BEAM ANGLE	UGR
35D	36.4	9.8
40D	41.2	10.8
50D	51.6	12.3



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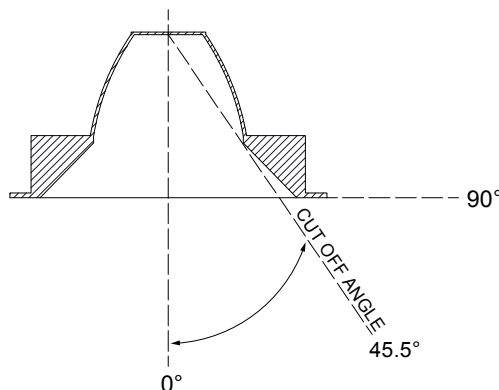
## GLARE CONTROL

### CUT-OFF ANGLE

Visual comfort is achieved with a lower cut-off angle due to improved glare control. The smaller the cut-off angle, the easier it is on the eye.

Alphabet downlights have been thoughtfully engineered to eliminate glare while still delivering functional illumination.

- Cutoff angle of NL and CL is 45.5 degrees;



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## PHOTOMETRIC DATA

**35D**  
36° NO LENS, WHITE BEZEL

Throw Distance (ft)	Beam Diameter (ft)
6	3.9
8	5.3
10	6.6
12	7.9
14	9.2

Illuminance at Center (fc)

WATTS: 26.5	LPW: 35.1
LUMENS: 930	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	2037
5	1922
15	1308
25	539
35	188
45	29

**40D**  
41° NO LENS, WHITE BEZEL

Throw Distance (ft)	Beam Diameter (ft)
6	4.5
8	6
10	7.5
12	9
14	10.5

Illuminance at Center (fc)

WATTS: 26.5	LPW: 31.8
LUMENS: 843	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	1521
5	1454
15	1034
25	564
35	207
45	28

**50D**  
52° NO LENS, WHITE BEZEL

Throw Distance (ft)	Beam Diameter (ft)
6	5.8
8	7.7
10	9.7
12	11.6
14	13.5

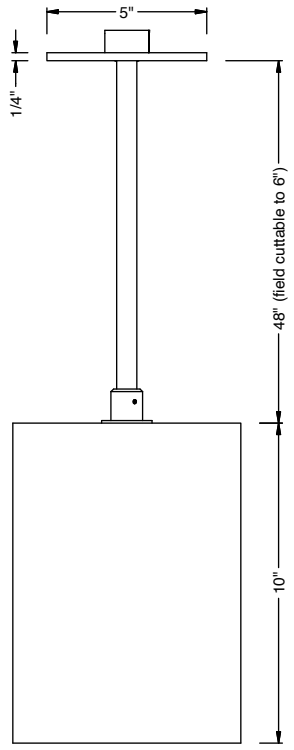
Illuminance at Center (fc)

WATTS: 26.5	LPW: 36.1
LUMENS: 958	CCT: 3000K
INTENSITY	
DEGREE	CANDELA
0	1380
5	1345
15	1095
25	720
35	284
45	13

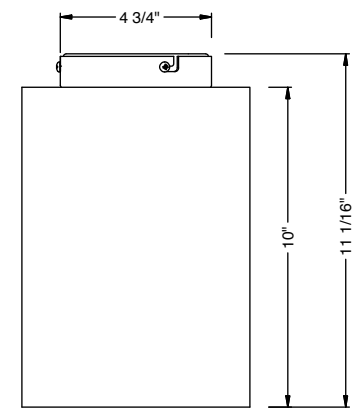
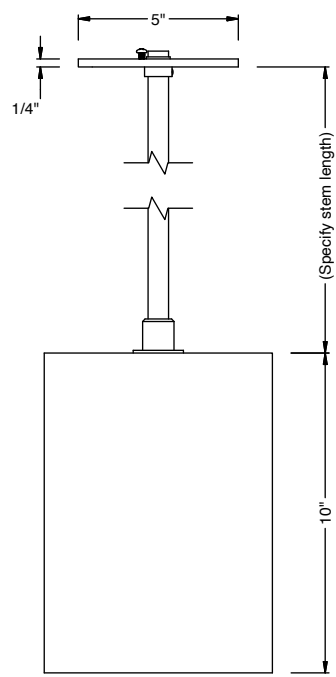
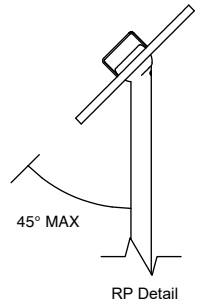
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## MOUNTING OPTIONS



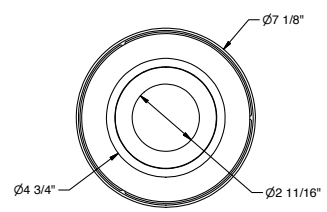
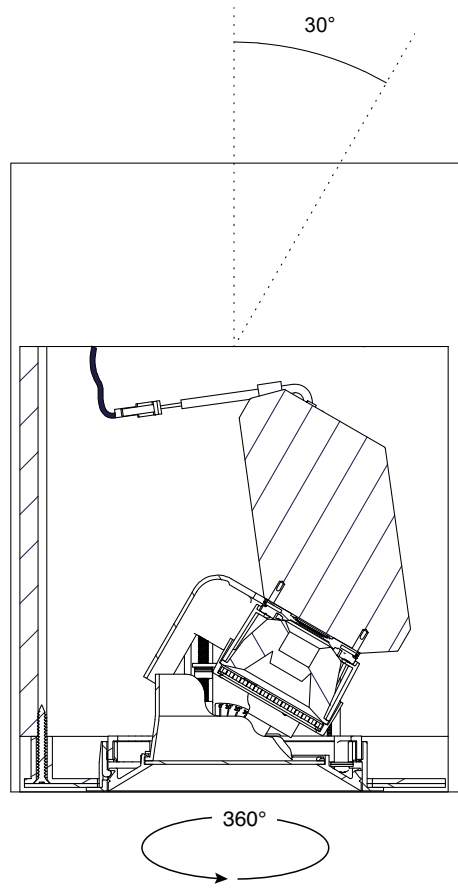
- H 48-3/8" (field adjustable to 6")
- RP 48-3/8" (field adjustable to 6")
- RP5 60-3/8" (field adjustable to 6")
- RP6 72-3/8" (field adjustable to 6")
- RP8 96-3/8" (field adjustable to 54")
- RP10 120-3/8" (field adjustable to 66")



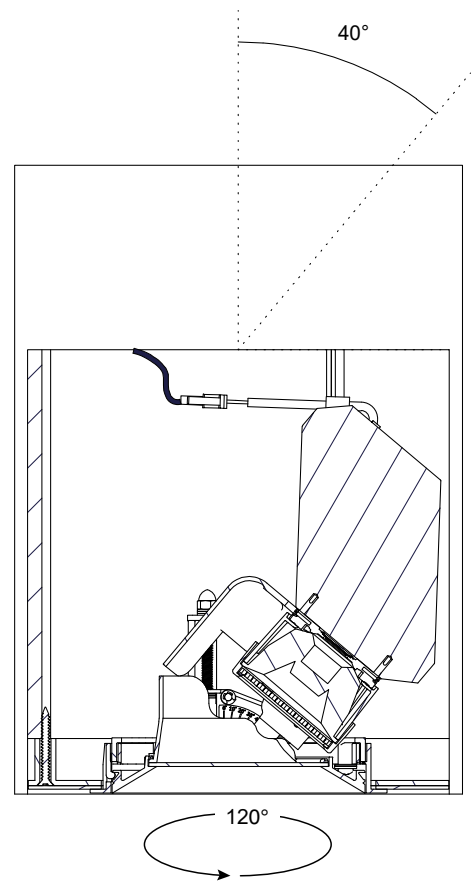
**RP SWIVEL**  
DIM10 / ELV1 / LUTP / DALI / DMX / CAS

**RP FIXED**  
DIM10 / ELV1 / LUTP / DALI / DMX / CAS

**SURFACE**  
DIM10 / ELV1 / LUTP / DALI / DMX



ADJUSTABLE FIXTURE INFO	
TILT	ROTATION
0° - 30°	360°
30° - 40°	160°

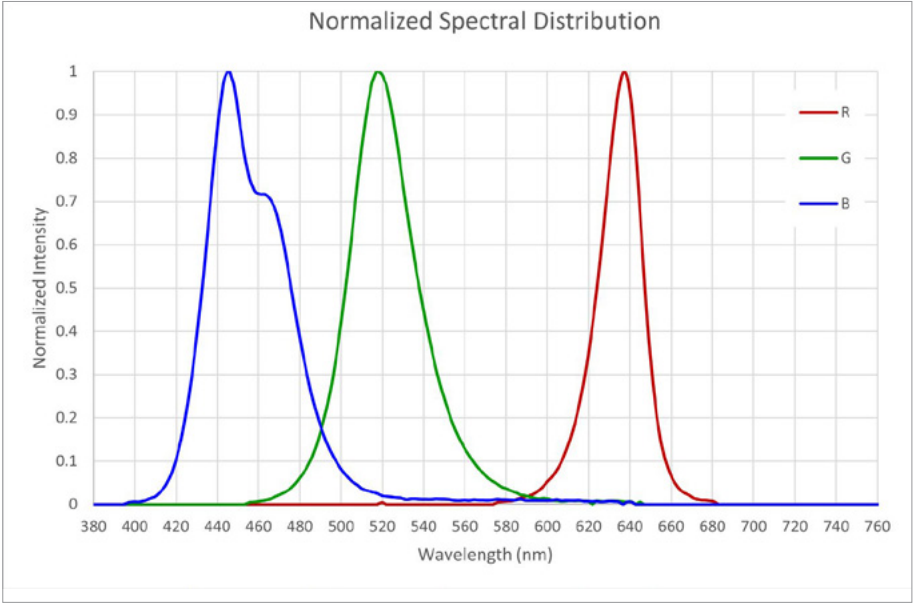


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## RGBW DATA

DOMINANT WAVELENGTH	
	SPECIFIED
R	623.4
G	527.8
B	462.6

## RGB SPECTRAL PLOT



## COLOR GAMUT PLOT

