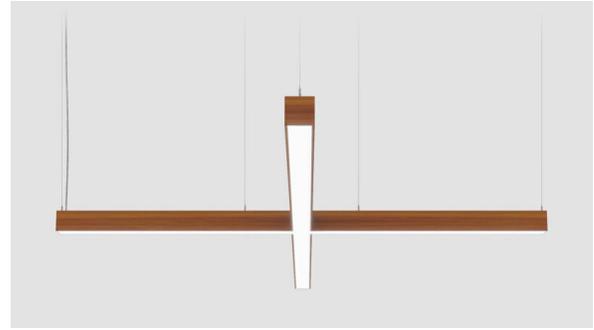




# MACRO CROSS™

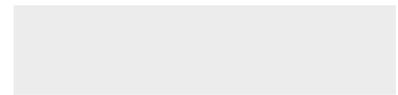
## FULL SPECIFICATION SHEET



FIXTURE TYPE



FIXTURE CODE



QUANTITIES

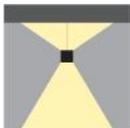
### 1 DESCRIPTION

The robust 4" linear profile takes the form of a cross, with dimensions ranging from 30" to 85" in length and width. Excellent light performance makes **MACRO CROSS** ideal for general illumination at standard ceiling heights. An indirect light option is available with either a clear or opal diffuser. Available in 3 neutral finishes, White, Black, and Silver Metallic; as well as 2 wood grain finishes Light Cherry and Dark Walnut. Three color temperatures are available plus monochromatic red, green, and blue. **MACRO CROSS** can integrate with your data network via Power over Ethernet.

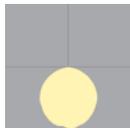
### 2 OPTICS & FEATURES



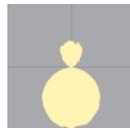
Suspended  
Direct



Suspended  
Direct/Indirect



Direct



Direct-indirect



Declare



PoE

### 3 APPROVALS



### 4 GENERAL SPECIFICATION

#### BODY AND TRIM

Steel and aluminum.

#### POWER CABLE

Silver braided.

**FINISH**

Polyester powder coated. Canopy finishes as specified except for wood grain finishes where the canopy will be supplied white.

**INTEGRAL EMERGENCY SYSTEM**

Emergency option provides a 1.5 hour (3 hours for EU) emergency lighting facility. The self contained system includes the inverter module, NiCad batteries, LED charge indicator and test switch (NA only). Not available with a 347V supply.

**POE**

Macro Cross can integrate into your data network via Power over Ethernet (PoE) connectivity.

**MECHANICAL**

Luminaires mount directly over J box (by others - North America only).

**SENSORS**

Consult factory regarding sensor compatibility.

**APPROVALS**

Damp Rated.

**SUSTAINABILITY**

Designed for on-site LED board, driver, and optic replacement. Contact the factory for maintenance documentation.

**DRIVERS**

Integral, HPF electronic drivers for 120-277V (EU-240V). The driver is integral to the fixture housing.

**SUSPENSION**

Stainless steel cables. Recommended minimum distance from ceiling: 305mm/12" for white LEDs and 610mm/24" for colored LEDs (only for direct/indirect).

**LENS**

Opal polycarbonate, supplied in sections.

**DELIVERED LUMENS**

Delivered lumens & LPW based on 4000K (min 80 CRI) for white LEDs only.

**REPORTED L70 @25°C(77°F)**

> 60,000 hrs.

**SEISMIC BRACING**

Seismic bracing kits are available to meet compliance requirements. Consult the factory for details.

**5 DESIGN OPTIONS**

**FINISH**



<sup>1</sup> Wood grain finishes may incur longer lead times and setup charges. Consult factory for details.

**6 HOW TO ORDER**

**1. LUMINAIRE**

<b>AB0</b> 30", Direct, 5910 lms	<b>AB1</b> 43", Direct, 8778 lms	<b>AB2</b> 57", Direct, 11693 lms	<b>AB3</b> 71", Direct, 14777 lms
<b>AB4</b> 85", Direct, 17732 lms	<b>AB5</b> 30", Direct/Indirect, 7860 lms	<b>AB6</b> 43", Direct/Indirect, 11678 lms	<b>AB7</b> 57", Direct/Indirect, 14716 lms
<b>AB8</b> 71", Direct/Indirect, 20882 lms	<b>AB9</b> 85", Direct/Indirect, 23578 lms		

**2. CRI**

<b>CR80</b> CRI 80+	<b>CR90</b> CRI 90+
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**3. CCT/COLOR (DIRECT)**

<b>J1</b> 2700K	<b>J2</b> 3000K	<b>J3</b> 3500K	<b>J4</b> 4000K
<b>J7</b> Red	<b>J8</b> Green	<b>J9</b> Blue	

**4. CCT/COLOR (INDIRECT)**

<b>K0</b> Indirect CCT not required	<b>K1</b> 2700K	<b>K2</b> 3000K	<b>K3</b> 3500K
<b>K4</b> 4000K	<b>K7</b> Red	<b>K8</b> Green	<b>K9</b> Blue

**5. INDIRECT LENS**

<b>U0</b> Not required	<b>U1</b> Clear	<b>U2</b> Opal
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Uplight diffuser required for direct/indirect fixtures only.

**6. DIMMING**

<b>D1</b> 0-10V Dimming (1.0%)	<b>D2</b> 0-10V Dimming (0.1%)	<b>D3</b> 347V, 0-10V Dimming (1.0%)	<b>D4</b> DALI Dimming (0.1%)
<b>D5</b> DALI Dimming (1.0%)	<b>D6</b> DSI (EU only)	<b>D7</b> switchDim (EU only)	<b>DA45</b> PoE

D6 & D7 options not available in North America.

DA45 must be used with EV only.

**7. FINISH**

<b>F1</b> White	<b>F2</b> Black Metallic Textured	<b>F20</b> Silver Metallic Textured	<b>F27</b> Wood grain – Light Cherry <sup>1</sup>
<b>F28</b> Wood grain – Dark Walnut <sup>1</sup>	<b>F30</b> Wood grain – White Oak <sup>1</sup>		

<sup>1</sup> Wood grain finishes may incur longer lead times and setup charges. Consult factory for details.

## 8. LUMEN OUTPUT

<b>L0</b> 100% of standard output	<b>L1</b> Lumen & Wattage Reduction to approximately 75% of standard output	<b>L2</b> Lumen & Wattage Reduction to approximately 50% of standard output	<b>L3</b> Lumen & Wattage Reduction to approximately 25% of standard output
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Custom reduction percentages available upon request.

## 9. EMERGENCY

<b>E0</b> Emergency system not required	<b>E1</b> Emergency System – Integral (direct illumination only, not available with 347V)
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## 10. CONTROLS

<b>C0</b> Controls not required	<b>C1</b> Encelium/Zigbee control
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## 11. SWITCHING

<b>W0</b> Single circuit	<b>W1</b> Separate switching
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## 12. OPTIONAL LOW VOLTAGE

**EV** Low Voltage

To be used with DA45 only.

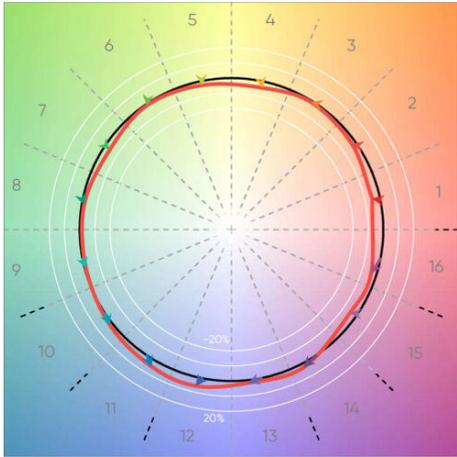
## 7 TECHNICAL DATA

### LUMINAIRE

Code	AB0	AB1	AB2	AB3	AB4	AB5
<b>Size</b>	30"	43"	57"	71"	85"	30"
<b>Wattage</b>	57W	84W	112W	142W	170W	75W
<b>Light Direction</b>	Direct	Direct	Direct	Direct	Direct	Direct/Indirect
<b>Delivered lms</b>	5910	8778	11693	14777	17732	7860
<b>LPW</b>	104	105	105	105	105	105
<b>Suspension Points</b>	4	4	5	5	5	4
Code	AB6	AB7	AB8	AB9		
<b>Size</b>	43"	57"	71"	85"		
<b>Wattage</b>	111W	140W	199W	224W		
<b>Light Direction</b>	Direct/Indirect	Direct/Indirect	Direct/Indirect	Direct/Indirect		
<b>Delivered lms</b>	11678	14716	20882	23578		
<b>LPW</b>	105	105	105	105		
<b>Suspension Points</b>	4	5	5	5		

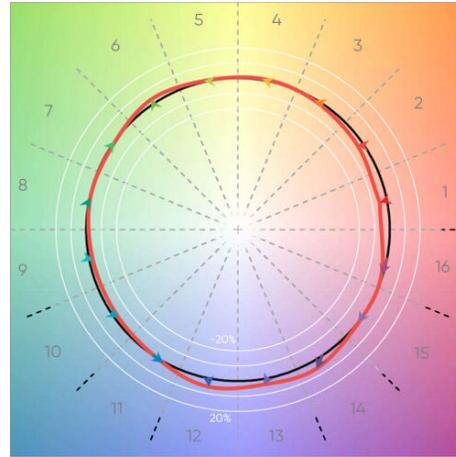
**8** TM-30 DATA

**CCT 2700K**



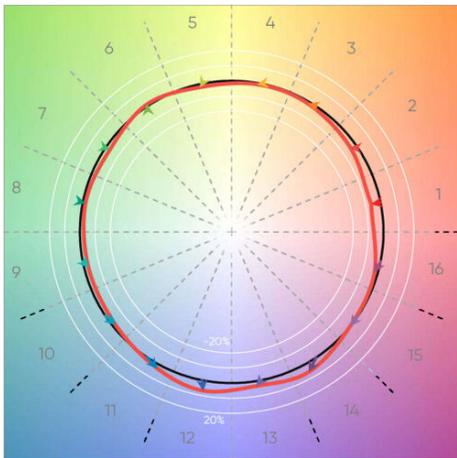
<b>CRI(Ra)</b>	93
<b>CRI(R9)</b>	61
<b>TM30(Rf)</b>	91
<b>TM30(Rg)</b>	98
<b>Duv</b>	-0.0022

**CCT 3000K**



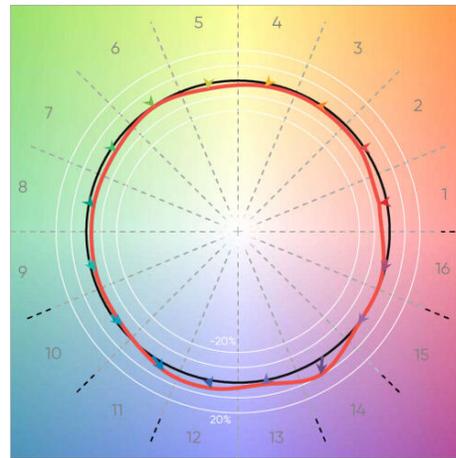
<b>CRI(Ra)</b>	92
<b>CRI(R9)</b>	58
<b>TM30(Rf)</b>	92
<b>TM30(Rg)</b>	100
<b>Duv</b>	-0.0003

**CCT 3500K**



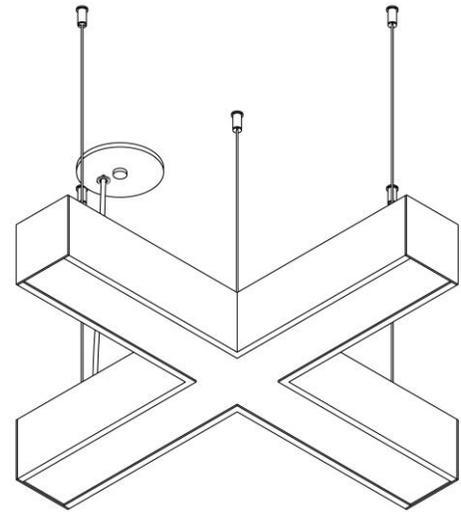
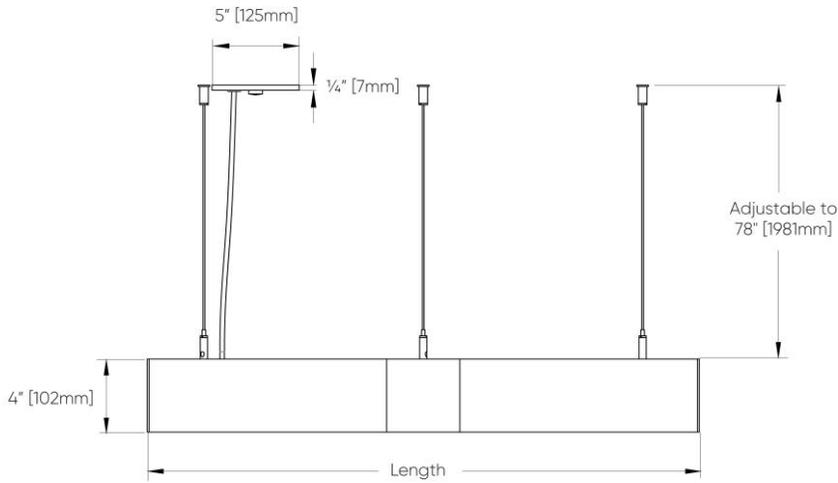
<b>CRI(Ra)</b>	91
<b>CRI(R9)</b>	53
<b>TM30(Rf)</b>	90
<b>TM30(Rg)</b>	99
<b>Duv</b>	-0.0007

**CCT 4000K**

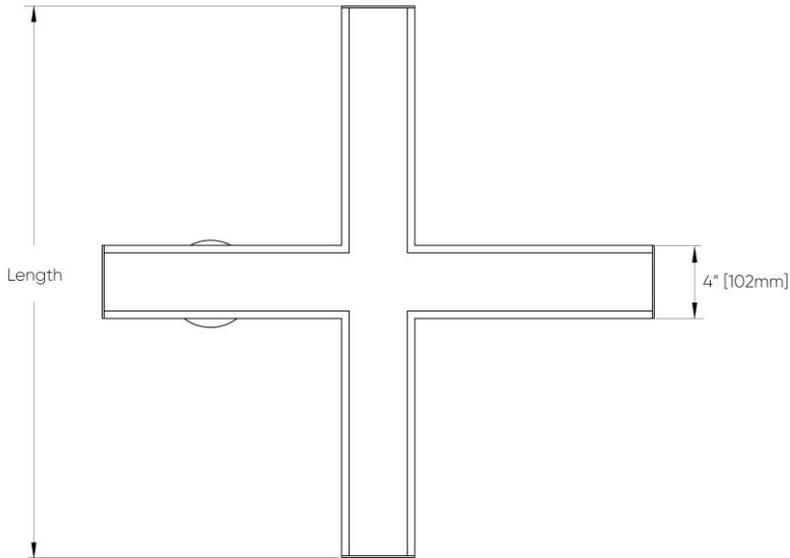


<b>CRI(Ra)</b>	93
<b>CRI(R9)</b>	64
<b>TM30(Rf)</b>	90
<b>TM30(Rg)</b>	98
<b>Duv</b>	0.0000

**9** DIMENSIONAL DIAGRAMS



**ISO VIEW**



Length	Suspension Points
30" [762mm]	4
43" [1092mm]	4
57" [1448mm]	5
71" [1803mm]	5
85" [2159mm]	5