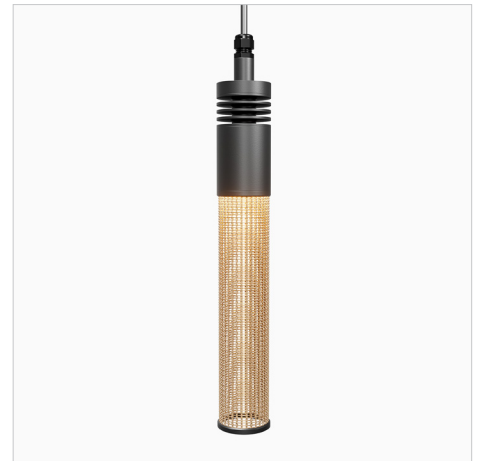


ZHL16 Mesh

(includes former ZXL16-H-BM model)

HANGING & CATENARY | ZH16 Series | DIA 2.25"

5 - 10W | 12V | HK LED, Amber, RGB



Hanging LED with Brass Mesh Hood: ZHL16-0R1FMI-ABL

FEATURES

- Elegant and versatile hanging light with unique brass mesh hood, perfect for architectural outdoor and landscape lighting environments.
- 5W, 7W or 10W integrated HK LED. 2200-4000K CCT, including specialty Amber and RGB options.
- Wet Location Listed, IP65 Standard.
- Fixture body is machined from solid aircraft grade (6061-T6), corrosion-resistant aluminum, then anodized and powder coated to create a highly durable, marine grade finish. Also available in solid brass or stainless steel.
- Woven natural brass mesh hood creates an elegant ambient light effect in addition to providing direct down light.
- Modular components, field changeable LED.
- Hanging light ships standard with 60" power cable or can be ordered in any custom length. Power cord can easily affix to tree branches or beams or installed with coordinating canopy plate.
- Every fixture tested end of line for water tightness and light quality.

SPECIFICATIONS

Materials

Body: Machined from billet 6061-T6 corrosion resistant aluminum with 304 stainless steel hardware. Available in 304/316 stainless steel or 360 brass upon request.

Hood: Finely woven brass mesh hood.

Finish

Aluminum materials are first anodized and then powder coated for a robust, marine grade finish. Stainless steel and brass models are provided with brushed surface.

Fixture Weight

1 lb

Voltage

12V AC/DC. Requires remote step down transformer.

Wattage

5, 7 or 10W HK LED.

Light Engine

Innovative HK LED Light module operates like a lamp and can be easily changed in the field. CRI 83 Standard. Available in CRI 95 upon request. CCT options are 2200K, 2400K, 2500K, 2700K, 3000K, 3500K, 4000K, Amber, and RGB options available. Consult factory for specialty LED specification details.

Dimming

MLV or ELV Phase Control dimming.

Optics

Accepts optical accessories (dichroic color filters). Secured in place with metal snap ring.

Mounting

Mounts to tree branches or wood beams using screw-mount cable ties or select coordinating canopy plate surface/box for pendant application. Standard fixture ships with 60" 18/2 SJTW power cable. Custom hanging lengths also available.

ORDERING GUIDE

EXAMPLE: ZHL16-0R1FM1-ABL-012V05W-27-60-CM1-ABL

MODEL	PHYSICAL OPTIONS				MATERIAL / FINISH				POWER		LIGHT		WIRE LEAD		
ZHL16	OR1								012V						
ZH16 Series 2.25" Hanging Light Integrated HK LED Mesh Style Hood	TYPE		BODY		HOOD		ABL Aluminum Black	VOLTAGE		WATTAGE		CCT		LENGTH	
	OR1	Low Voltage, Round Single Light	S Standard	M1 Mesh Style	M1 Mesh Style	MC Mesh Style, Custom	ABR Aluminum Bronze	012V	12V AC	05W 5 Watts	22 2200K	60 60"	XX Custom ³		
			F Finned				AWH Aluminum White			07W 7 Watts	24 2400K				
							AAC Aluminum Anodized Clear ¹			10W 10 Watts	25 2500K				
							NBR Natural Brass ¹			SPW Specialty ²	27 2700K				
							NCU Natural Copper ¹				30 3000K				
							NSS Natural Stainless Steel ¹				35 3500K				
							CCC Custom Finish ¹				40 4000K				
											AM Amber ²				
											RG RGB ²				

¹ Consult factory for specialty finish quoting and lead times.

² For Specialty AM (Amber LED) and RG (RGB LED), select SPW (Specialty) for Wattage. Consult factory for LED technical details before Specification or Order.

³ Custom length, include your desired length in inches.

OPTIONAL INSTALLED ACCESSORIES

OPTIC	MOUNTING (Most common listed, see Page 4 for additional options)	
DCF Dichroic Filter		
	CANOPY MOUNT	
	CM1-XXX	3.75" Square Canopy Plate
	CM3-XXX	4.75" Square Canopy Plate
	CM5-XXX	5" Round Canopy Plate
	CM5-2-XXX	5" Round Canopy Plate - Double
	SURFACE MOUNT	
	CMLJ-XXX	2.7" Round Surface Box
	CB4.0-XXX	4" Round Surface Box
	CB5.5-XXX	5.5" Round Surface Box
	CABLE TIE	
	CBT-08-BLK	8" Black Cable Tie

- Most common accessories listed..
- Consult Accessory Spec Sheet for desired option code.
- XXX represents color option.

ADDITIONAL ACCESSORIES (Not Installed at Time of Order)

OPTIC ACCESSORIES
DCF-16 Dichroic Filter

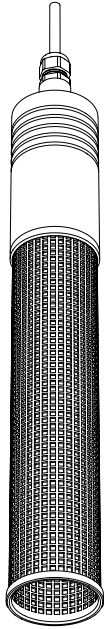
OUTDOOR MAGNETIC TRANSFORMERS (120V input/12VAC Output)

TRANSFORMERS (Go to [Accessories](#) for detailed specification)

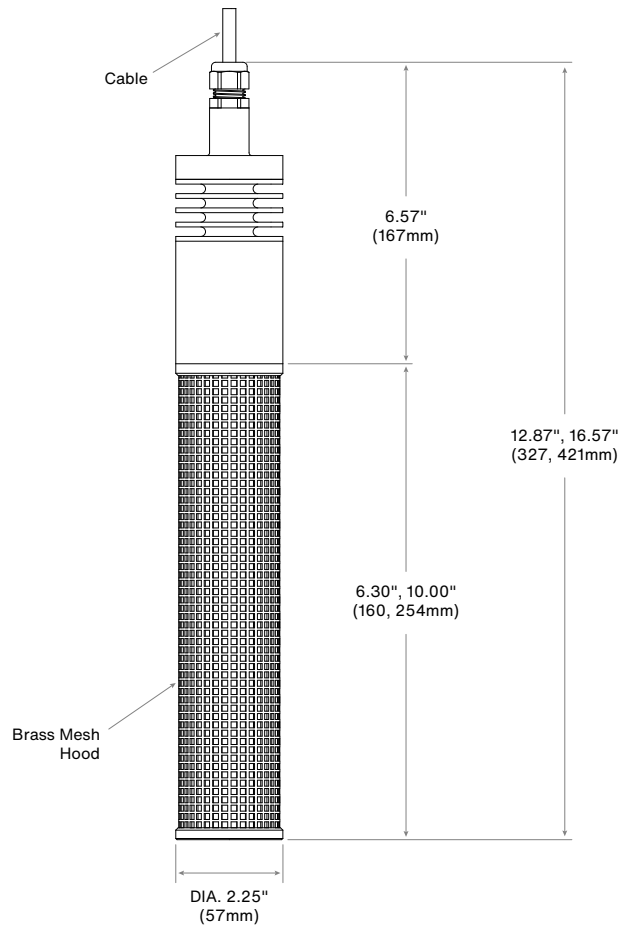
EXAMPLE: **TXS-150-SS**

MODEL		WATTAGE (VA)						PRIMARY VOLTAGE (VAC)	
TXM	Stainless steel, wet location outdoor magnetic transformer Multitap 12VAC Output MLV Dimming	300						OTR-SS (120V Only)	
TXS	Stainless steel, wet location outdoor magnetic transformer Multitap 12VAC Output MLV Dimming	150	300	600				SS (120V Only)	
TXM	Compact, damp location magnetic transformer 12VAC Output MLV Dimming	20	40	60	100	150	300	120	277
IGT	In ground outdoor magnetic transformer 12VAC Output MLV Dimming	50 (120V Only)			100	300	600	120	277
TXE	In-fixture or near mounted electronic transformer 12VAC Output ELV Dimming Enclosure by others	60						120	277

PRODUCT DRAWINGS



ZHL16-OR1FM1
Finned with Brass Mesh Hood



OPTIONS & ACCESSORIES

MOUNTING ACCESSORIES

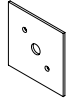
Canopy Mount:



Fixture On CM5



CM1



CM3



CM5



CM5-2



CM2

Surface Mount Box:



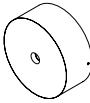
Fixture On CB5.1



CMLJ



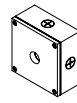
CB4.0



CB5.5



CB3.5

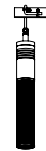


CB4.0-SQ

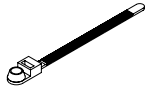


CB5.1

Screw-Mount Cable Ties:



Fixture Using CBT-08-BLK



CBT-08-BLK

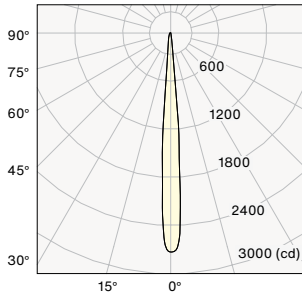
Notes:

PHOTOMETRY & ENERGY DATA

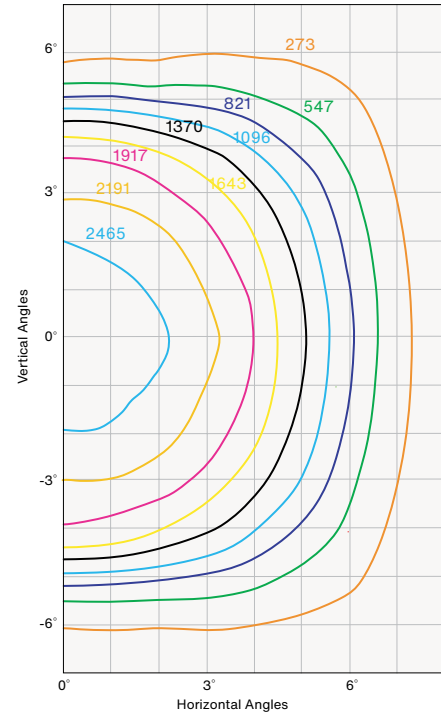
ZHL16

Input Power	8.78W
Color Temperature (CCT)	3000K
Color Rendering Index (Ra)	83
Beam Angle	8.9°
Max. Candlepower	2745cd
Delivered Lumens	295lm
Efficacy	33lm/W

Polar Graph - Intensity



Isocandela Curves



Maximum Candela = 2739 cd

WATTAGE MULTIPLIER

Wattage	Multiplier
5 Watt	0.53
7 Watt	0.77
10 Watt	1.0

CCT MULTIPLIER

Color Temp.	Multiplier
2700k	0.96
3000k	1.00
4000k	1.03