

The Yashar Family

The INK Yashar Accent Heads are next generation and are designed to work with the Yashar track family. They are the latest addition to the Yashar Family of track heads, featuring Bluetooth controlled variable color tuning and dynamic beam shaping optics designed specifically for the lighting professional. The fixtures install like standard track heads and are powered by a proprietary adaptor following DALI-2 protocol. These accent lights can be located anywhere within your track and are a powerful new tool in the Yashar family.

PROJECT:

TYPE:

SPECIFIER:

DATE:

Key Points (INKYSMH-MSCL)

Housing

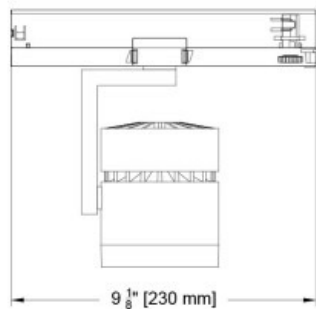
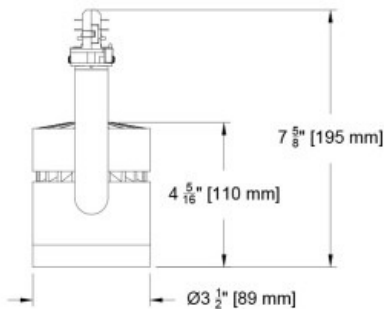
- Die-cast aluminum housing.
- Available in Black or White painted finish.
- Accent Head for use in Yashar track.
- Yoke mounted head, adjustable 360° degree rotation and 180° degree pan and tilt.
- Track mounted with integral drivers in track adaptor fitting.

Source / Optics

- 20 watt tunable white sources available in 1800-4000K CCT and 2700-6500K CCT ranges.
- 17 watt dynamic RGBW source available. Consult factory.
- Up to 1490 delivered lumens in tunable white.
- Bluetooth controlled dynamic beam shaping with versatile beams spread range of 10° to 50°.
- 94+ CRI, 76+ R9 across all CCT's in tunable white.
- <3 MacAdams Ellipses (<3 SDCM) for tunable white.
- **TITLE 24** Fixture supports CA Title 24 compliance meeting JA8 requirements
- Lifetime: L87B3>55,000 hours at 40°C Ambient

Driver And Control

- 120/277 volt input.
- Driver and Bluetooth interface integral with track head.
- DALI-2 protocol or Casambi Bluetooth* interface allow individual control of each fixture.
- * Casambi Bluetooth control required with Dynamic Beam Shaping.



Ordering Codes

PROJECT:



SPECIFIER:

DATE:

TYPE:

QUANTITY:

Ordering Code Example: INKYSMH-MSC-L

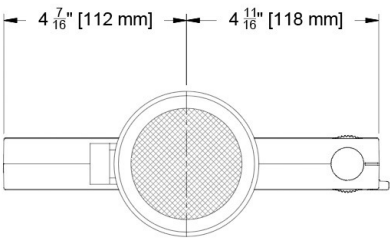
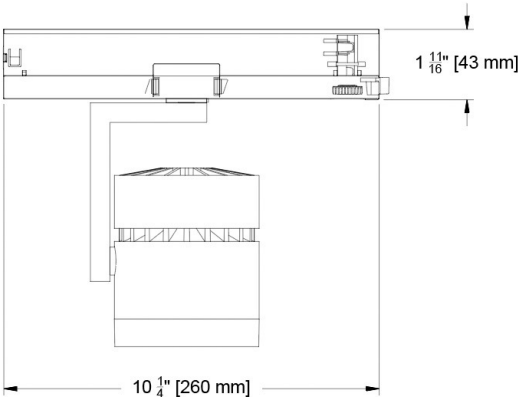
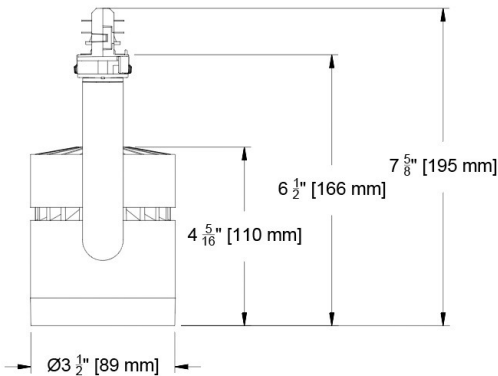
FIXTURE	SOURCE / WATTS	CCT	BEAM	DRIVER / CONTROL	HEAD FINISH	LENS ACCESSORIES
INKYSMH-MSC-L	Ink™ Tunable White 90+CRI, 70+R9 1800-400K or 2700-6500K^ RGBW 17W 650Lm^ 90+CRI, 60+R9 Dynamic Color Changing Citizen C17 ●●● 20W 1989Lm* 90+CRI, 60+R9 C24 ●●● 29W 2757Lm* 90+CRI, 60+R9 C32 ●●● 35W 2751Lm* 90+CRI, 60+R9 * Based on 20° Beam & 2765 CCT ^ Consult factory	Ink™ 1840 1800-4000K Tunable White 2765 2700-6500K Tunable White Tunable RGBW 1200-8000K Dynamic Color Changing Citizen 27 2700K 40 4000K 35 3500K 30 3000K	Ink™ 10-50 INK Dynamic Beam Shaping Range 10 - 50 degrees Citizen 28 Narrow Flood 18 Spot 35 Flood	Ink™ INKCA 0.1%, (120-277V) DALI-2 based, Casambi controlled driver/48 volt power supply - consult factory for wattages Note: Power supplies can control multiple fixtures. DALI-2 allows individual control of fixtures. Consult factory.	B Black Paint  W White  Note: Aperture Trim Bezel is black in all finishes.	MSC4-XB 4" Mosaic Cross Baffle Reflector (lamp) Media 91L Solite 97L Black Hexcel Louver XXL Other reflector (lamp) media*

Dimensions

INK Yashar Mosaic Large Track Head

Standard Mount

(INKYSMH-MSCL-)



Photometric Table

Photometric data available upon request. Consult factory. All data below are delivered lumens based on goniometer measurements of production representative product. All lumen values can vary +/- 10% from LED manufacturer rated nominal flux.

Round Beamspreads		18°				28°				35°			
Source	System watts (W)	Delivered Lumens (lm)	Lumens/ Watt	Peak CD	10% Field	Delivered Lumens (lm)	Lumens/ Watt	Peak CD	10% Field	Delivered Lumens (lm)	Lumens/ Watt	Peak CD	10% Field
Citizen C17	20	1928	96	11737	39°	1989	99	7118	57°	1975	99	4982	63°
Citizen C24	29	2646	93	16324	39°	2757	97	9845	57°	2719	95	6875	63°
Citizen C32	38	3380	90	20933	39°	3513	93	12636	57°	3490	93	8847	63°
CCT Multiplier		Beam angle				Beam angle				Beam angle			
CCT	Citizen	18°				27.8°				35.4°			
2700	0.95												
3000	1.00												
3500	1.02												
4000	1.03												
All measurements are delivered lumens based on 3000K unless otherwise noted below.													

ISO cd Plots based upon C32 Source. Refer to photometry tab on product page for exact ICO cd plot and IES files.


		10°				30°				50°			
Source	System watts (W)	Delivered Lumens (lm)	Lumens/ Watt	Peak CD	10% Field	Delivered Lumens (lm)	Lumens/ Watt	Peak CD	10% Field	Delivered Lumens (lm)	Lumens/ Watt	Peak CD	10% Field
Tunable White- 1840	21	Consult Factory for Photometric Data 732-517-0800											
Tunable White - 2765	21												
Dynamic RGBW	18												

Color Data

All data below are delivered lumens. Color and flux information based on goniometer measurements of production representative product. All values can vary +/- 10% from LED manufacturer data range as listed on their datasheet.

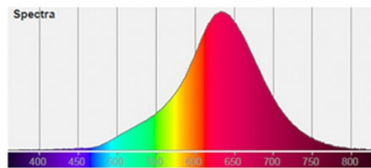
Tunable White Source T20 - CCT 1840 (1800k to 4000k)

- <3 MacAdam Ellipse (<3 SDCM)
- 94 CRI average across all CCTs
- 76 R9 average across all CCTs
- Available in both wired or wireless control

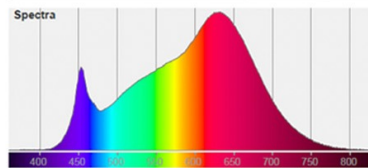
	TUNABLE WHITE - 1800-4000K							
	Color Temp	1800	2200	2500	2700	3000	3500	4000
	System Watts	21	21	21	21	21	21	21
	Delivered Lumens	1065	1217	1315	1380	1515	1604	1604
	Luminaire Efficiency	51	58	63	66	72	76	76
	Flux and Color data based on 20° measurement at 2700K. All other values are extrapolated from actual and analytical tests							

Flux and Color data based on 20° measurement at 2700k. All other values are extrapolated from actual and analytical tests

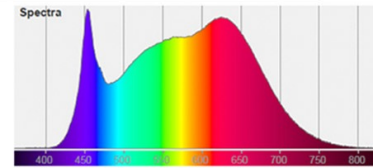
Spectral Power Distributions at all listed CCTs available upon request



1800K

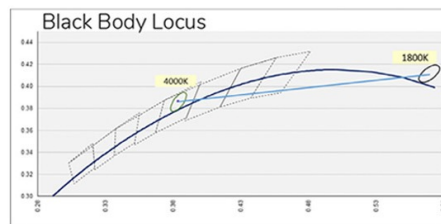


3000K




4000K

94 CRI	76 R9
89 RF	97 RG



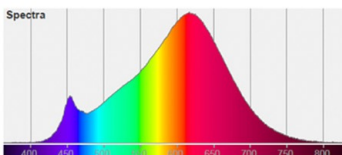
Tunable White Source T20 - CCT 2765 (2700k to 6500k)

- <3 MacAdam Ellipse (<3 SDCM)
- 94 CRI average across all CCTs
- 96 R9 average across all CCTs
- Available in both wired or wireless control

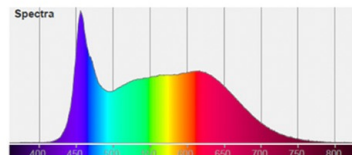
	TUNABLE WHITE - 2700-6500K									
	Color Temp	2700	3000	3500	4000	4500	5000	5500	6000	6500
	System Watts	21	21	21	21	21	21	21	21	21
	Delivered Lumens	1401	1444	1490	1492	1490	1488	1486	1481	1499
	Luminaire Efficiency	67	69	71	71	71	71	71	71	71
Flux and Color data based on 20° measurement at 4500k. All other values are extrapolated from actual and analytical tests										

Flux and Color data based on 20° measurement at 4500k. All other values are extrapolated from actual and analytical tests

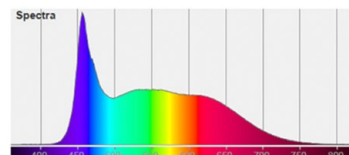
Spectral Power Distributions at all listed CCTs available upon request



2700K

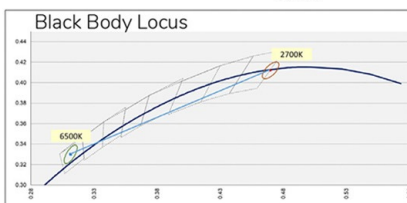


5000K



6500K

96 CRI	76 R9
91 RF	99 RG



Citizen Source C17, C24, C32

All data below are delivered lumens. Color and flux information based on goniometer measurements of production representative product. All values can vary +/- 10% from LED manufacturer data range as listed on their datasheet.

- <2 MacAdam Ellipse (<2 SDCM)
- 90+ CRI and RF
- 60+R9, Hue Bin 1

