

# DOT- JUNIOR

## JUNIOR MAGNETIC TRACK HEAD SPECIFICATIONS



Job Information	
Project Name	
Type	
Location	
Quantity	
Date	

## DESCRIPTION

Equipped with cutting-edge optics that ensure quality lighting, this track head boasts an invisible light source. The dark light capability makes it ideal for low-glare ambient lighting. The magnetic base enables easy installation and repositioning along the track without the need for tools or screws, allowing for simple adjustments to the lighting setup as needed. The 90 CRI option produces outstanding illumination with tight chromaticity specification and color binning processes, ensuring CRI and CCT consistency. This magnetic track head can be used in various settings, including residential, commercial, and office spaces.

## OVERVIEW

- Glare free optics
- Height only 29.5mm
- Plug and play arrangement in magnetic track
- 60W to 200W noise-free and flicker-free drivers, TRIAC/120V, DALI, or 1-10V/100-277V
- True color – 90 CRI, produces outstanding illumination

## PERFORMANCE

MODEL NAME	DOT-J12	DOT-J24
POWER CONSUMPTION(±10%)	12 W	24 W
INPUT VOLTAGE	24 VDC	
LUMINOUS FLUX (±10%)	1015 LM	1874 LM
EFFICACY(4000K RA80)	85 LM/W	78 LM/W
DIMMING	TRIAC/0-10V/DALI	
CCT	2700K/3000K/3500K/4000K/5000K	
CRI	80/90	
BEAM ANGLE	20°/34°/48°	20°/34°/48°
FINISH	POWDER COATING	
FIXTURE COLOR	SANDY BLACK/SANDY WHITE	
IP RATING	IP20	
OPERATING TEMPERATURE	-30°C TO + 50°C(-22°F TO 122°F)	
LIFESPAN OF LED @TA=25°C	L80 50000 HRS	
WARRANTY	3 YEARS	
APPLICATIONS	INDOORS	

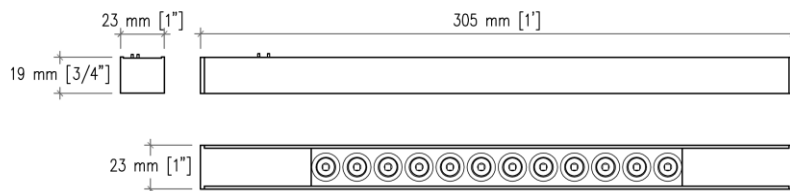
### PRODUCT ORDERING GUIDE

Example: DOT-J12-34-2700-90-V-B

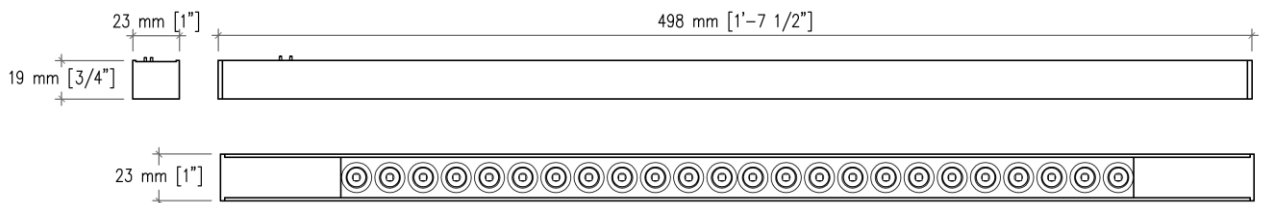
SERIES	BEAM ANGLE	CCT	CRI	DIMMING	FINISH
DOT-J12	20°	2700	80	T: TRIAC	W: SANDY WHITE
DOT-J24	34°	3000	90	V: 0-10V	B: SANDY BLACK
	48°	3500		D: DALI	
		4000			
		5000			

### DIMENSIONS

#### DOT-J12



#### DOT-J24



### FEATURES

#### ► Optics

Cutting-edge optics ensure dark light capability, which makes it ideal for low-glare ambient lighting. Beam angles available in 20°, 34°, and 48°.

#### ► Electrical

Voltage 24 VDC  
THD <20%  
Power Factor >0.9

#### ► Environment & Certifications

cETL listed for dry locations

#### ► Warranty

3 years limited warranty

#### ► Chip

Powered by Osram high efficiency COB LED chip.

#### ► Finish

The powder-coated finish ensures a uniform appearance, offering long-term durability and superior aesthetics.

#### ► Housing Material

Die-cast aluminum housing ensures durability and efficiency, with heat resistance polycarbonate lens.

#### ► LED System

**CRI** With a choice of 80 or 90 color rendering index (CRI), this product delivers outstanding illumination, featuring tight chromatically specifications and a precise color binning process to ensure consistency in CRI and CCT.

**CCT** Available in 2700K, 3000K, 3500K, 4000K, 5000K, with excellent color consistency.

#### ► Mounting

Magnetic track installation allows easy plug and play rearrangement.

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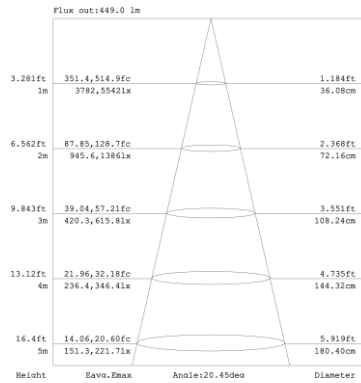
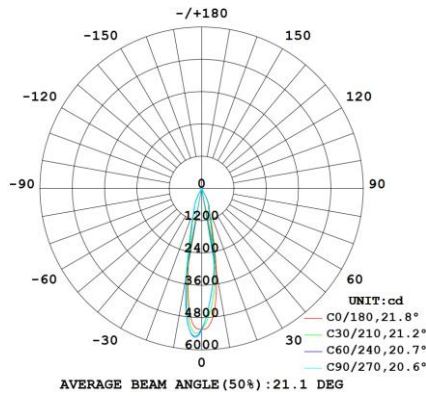
## JUNIOR MAGNETIC TRACK HEAD SPECIFICATIONS

### PHOTOMETRIC DIAGRAM, DOT-J12, 3000K, 90Ra

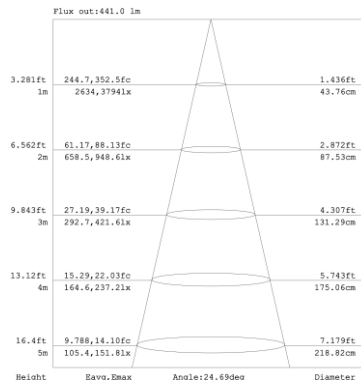
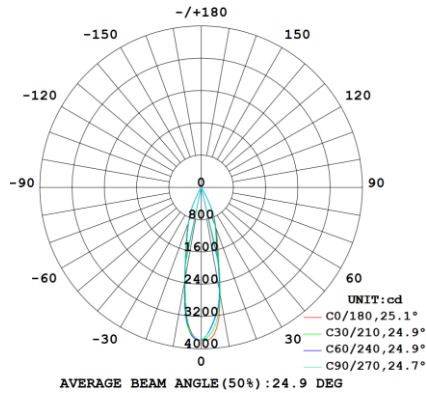
#### Polar Candela Distribution

#### Beam Details

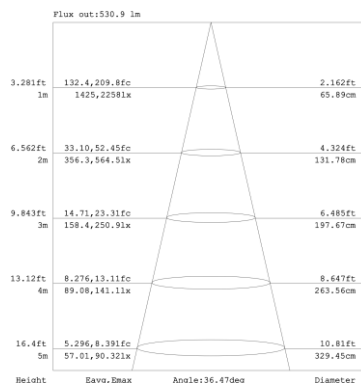
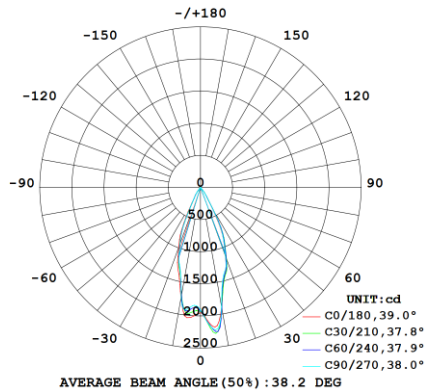
20°



34°



48°



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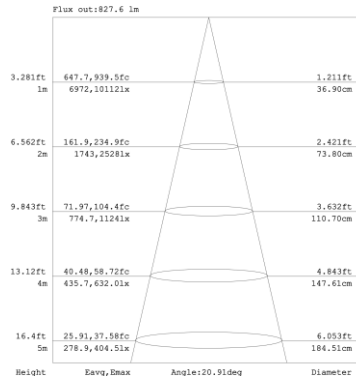
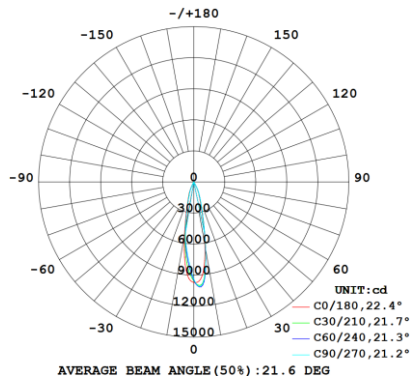
## JUNIOR MAGNETIC TRACK HEAD SPECIFICATIONS

### PHOTOMETRIC DIAGRAM, DOT-J24, 3000K, 90Ra

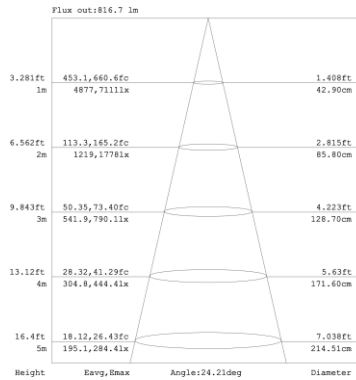
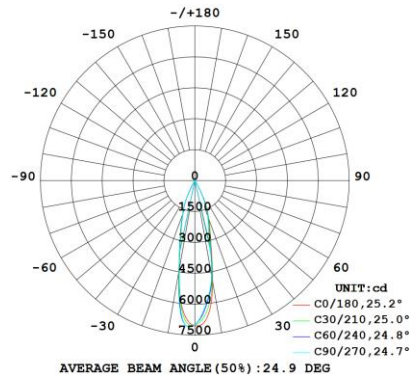
#### Polar Candela Distribution

#### Beam Details

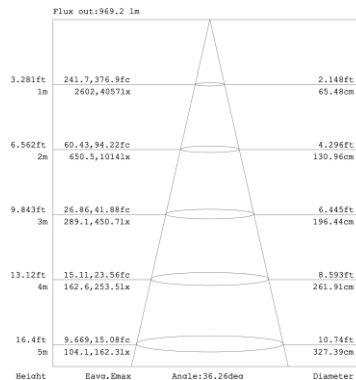
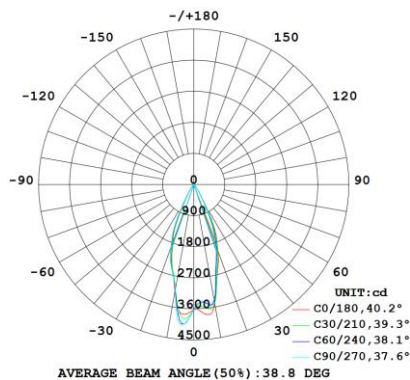
20°



34°



48°



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