

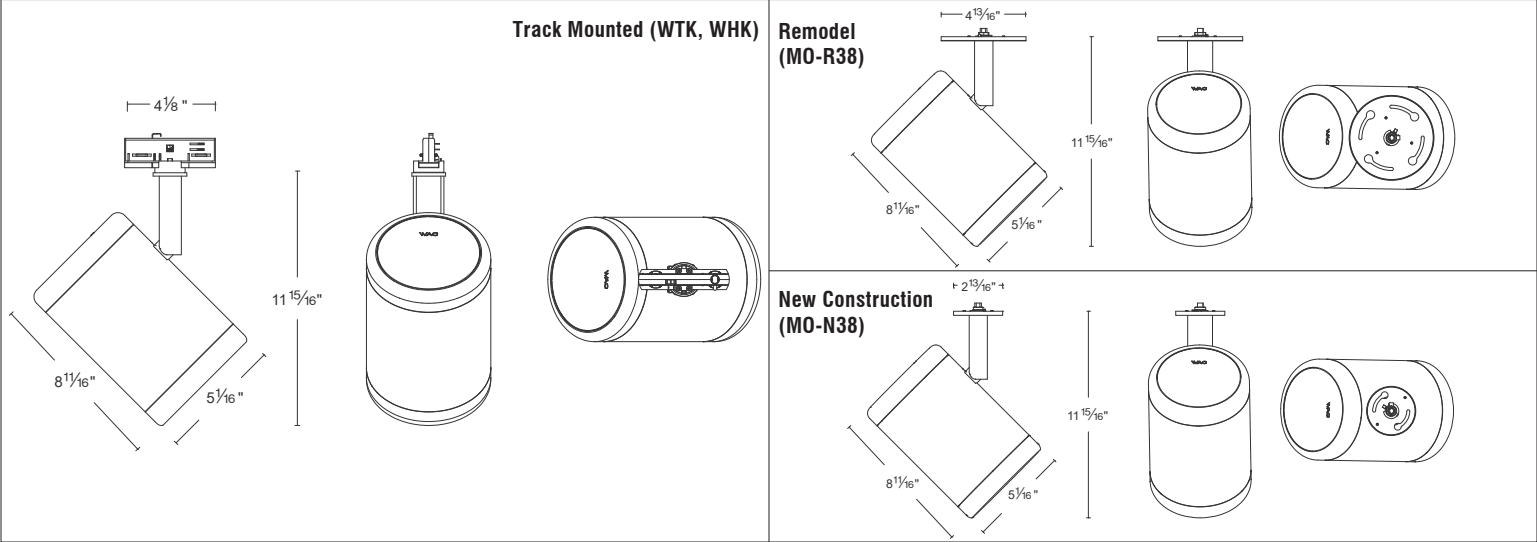
Mere
High Power COB

WTK-38S | WHK-38S | MO-N38S | MO-R38S

Fixture Type: _____
Project: _____
Catalog#: _____
Location: _____



LINE DRAWING



PRODUCT DESCRIPTION

Smarter, more flexible, and more versatile MERE track and monopoint lighting. MERE offers a wide range of optical configurations, color temperatures, accessories, and even a DIY intelligent control module.

SPECIFICATIONS

Construction:	Injection molded polycarbonate low glare trim
Mounting:	Track mounted (WTK, WHK); ceiling mounted (MO) Ceiling cut out: Ø4 1/4" (MO-N (Spackle Plate), MO-R) Ø2 1/4" (MO-N (Non-Spackle Plate)) Accommodates 1/2" - 2" ceiling thickness
Light Source:	High output 3-step Mac Adam Ellipse COB Rated life of 50,000 hours at L70
Input:	120 VAC (WTK), 277 VAC (WHK), 120-277 VAC (MO)
Power:	21W (V beam only), 50W
Dimming:	Track (120V only): ELV, TRIAC : 100 - 1% Monopoint (120-277 VAC): ELV, TRIAC, 0-10V: 100 - 1%
Operating Temperature:	-4°F to 104°F (-20°C to 40°C)
Standards:	UL & cUL
Warranty:	5 year WAC Lighting guaranteed warranty

BEAM ANGLES



FINISHES



Model	Beam	Wattage	Lumens Ref	CBCP Output*	Color Temp	CRI
WTK-38S WHK-38S MO-N38S MO-R38S	V 8°	21W	1,798	47,463	927 - 2700K 930 - 3000K 935 - 3500K 940 - 4000K	90
	S 17°	50W	4,665	39,270		
	N 21°	50W	5,164	36,085		
	M 30°	50W	5,197	18,739		
	W 52°	50W	4,634	6,267		
	A Asym	50W	3,879	7,061		

Lumens and CBCP are reference values for fixtures set to 3000K Color Temperature. Refer to Multiplier Table in Performance Data to determine other outputs.



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ORDERING INFORMATION

CONFIGURATION TABLE			
Model & Power	Beam Angle	Color Temperature & CRI	Housing Finish
WTK-38S (120V)	V - Very Narrow	927 - 2700K - 90	BK - BLACK
WHK-38S (277V)	S - Spot	930 - 3000K - 90	WT - WHITE
MO-N38S (120-277V)	N - Narrow Flood	935 - 3500K - 90	
MO-R38S (120-277V)	M - Medium Flood	940 - 4000K - 90	
	W - Wide Flood		
	A - Asymmetric (Wall Wash)		

W_K-38S-_____

Example: WTK-38S-S930WT

MO-_38S-_____

Example: MO-N38S-M930BK

ACCESSORIES	
ACC-LENS-A-38S	WALL WASH LENS 38S
ACC-LENS-EE-38S	ELONGATING BEAM LENS 38S
ACC-LENS-SS-38S	DIFFUSOR LIGHT 38S
ACC-LENS-MM-38S	DIFFUSOR MEDIUM 38S
ACC-LENS-LL-38S	DIFFUSOR HEAVY 38S
ACC-LENS-SQ-38S	SQUARE BEAM LENS 38S
ACC-LENS-S-38S	SPOT BEAM LENS 38S
ACC-LENS-N-38S	NARROW FLOOD BEAM LENS 38S
ACC-LENS-M-38S	MEDIUM FLOOD BEAM LENS 38S
ACC-LENS-F-38S	FLOOD BEAM LENS 38S
ACC-SNT-38S-BK	SNOOT 38S BLACK
ACC-SNT-38S-WT	SNOOT 38S WHITE
ACC-HCL-38S	HONEYCOMB 38S
ACC-BD-38S-BK	BARN DOOR 38S BLACK
ACC-BD-38S-WT	BARN DOOR 38S WHITE

ORDERING NOTES	
1.	The WTK-38S fixture is 120V and the WHK-38S fixture is 277V. Both fixtures are track mounted.
2.	The MO-N38S fixture is a ceiling mounted monopoint fixture for New Construction installations. The MO-R38S fixture is a ceiling mounted monopoint fixture for Remodel installations.

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FEATURES

Optics: • Fixture features adjustabilities of 0-360° horizontally and 0-90° vertically • Optical accessories feature toolless installation and removal	Construction: • Die-cast aluminum body
LED: • High output COB LED with a 3-step Mac Adam ellipse • Rated operational life of 50,000 hours at L70 (LED maintains 70% of its initial delivered lumens when brand new for 50,000 hours of use.)	Trim and Reflector: • Six beam angles are available: Very Narrow, Spot, Narrow Flood, Medium Flood, Wide Flood, and Asymmetric (Wall Wash)
Electrical: • Input power is 120 VAC (WTK), 277 VAC (WHK), 120-277 VAC (MO) • Available at 21W (V beam only) and 50W	Installation: • Suitable for W track systems
Dimming: • Electronic low voltage (ELV), TRIAC, and 0-10V dimming available • ELV, TRIAC, and 0-10V dimming is capable of a range of 100 - 1%	Warranty: • WAC Architectural limited warranty up to 5 years • Full warranty found at: waclighting.com/warranty
Notes: • The White and Black finishes for the body are electrostatically powder coated	

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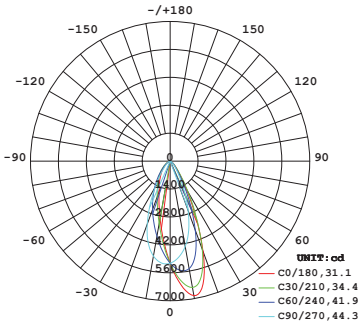
Location:

PERFORMANCE DATA

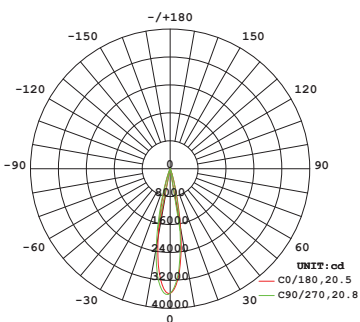
Polar Candela Distribution Charts

Samples shown with a 54W fixture set to 3000K.

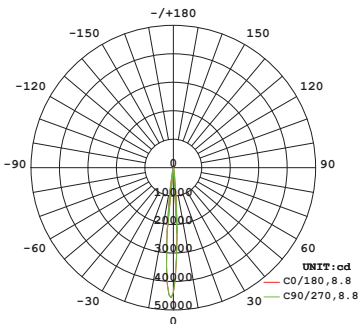
Wall Wash Beam: Asymmetric



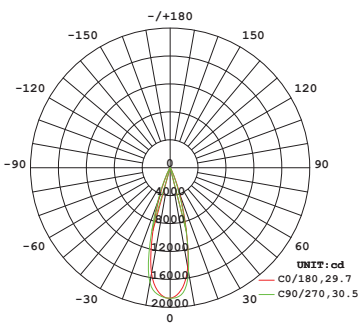
Narrow Flood Beam: 21° Beam



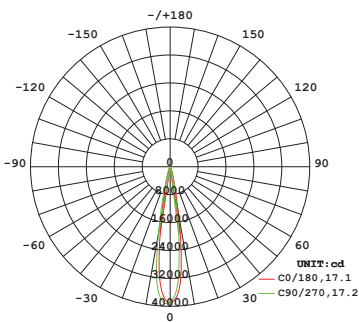
Very Narrow Beam: 8° Beam



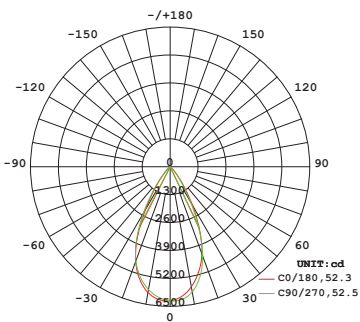
Medium Flood Beam: 30° Beam



Spot Beam: 17° Beam



Wide Flood Beam: 52° Beam



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PERFORMANCE DATA

Unified Glare Rating (UGR) Table

General performance of fixtures at 3000K and 90 CRI shown below.

Round Fixture	Angle	UGR Range
Wall Wash	Asymmetric	≤25
Very Narrow	8°	≤7
Spot	13°	≤13
Narrow Flood	24°	≤7
Medium Flood	34°	≤10
Wide Flood	56°	≤21

Lumens and CBCP Multiplier Table

Use the below table to determine lumens and CBCP values for the combinations of power, color temperature, and CRI values.

Color Temperature			
2700K	3000K	3500K	4000K
0.93	1.00	1.07	1.14

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DIMENSIONAL DIAGRAMS



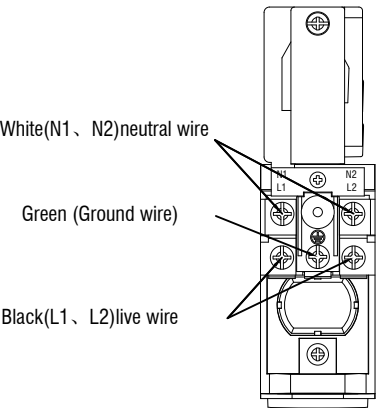
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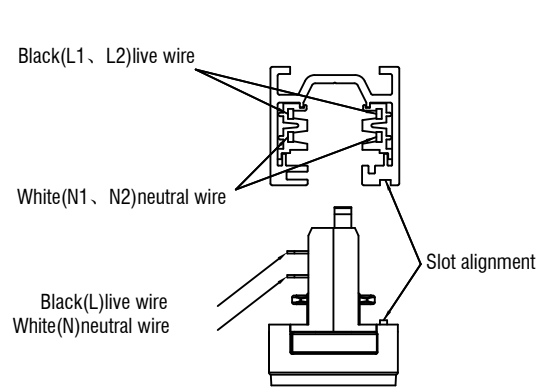
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WIRING DIAGRAM

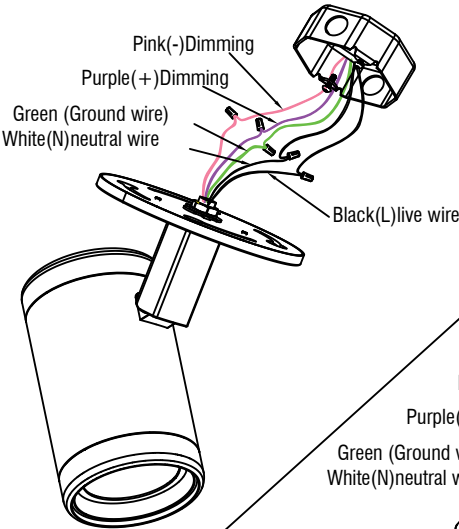
Schematic diagram of track inlet power connection.



Reference diagram for track and track connector circuit.



REMODEL



NEW CONSTRUCTION

