

kreon 48V magnetic track system

Date: _____ Customer: _____

Project: _____

Type: _____ Qty: _____



Order codes:

KU48M- _____ - _____ - _____ + _____ + _____ - _____ - _____ () - _____ () - _____ ()

kreon 48V magnetic track system	mounting option	ceiling type	track length quantity	channel finish		profile connectors (specify quantity per run)*
KU48M 48V Magnetic Track System	ST3 Recessed, no flange ST6S Surface Mounted ST6P Pendant Mount	DW Drywall (trimless installation) GR ACT panels with grid ceiling OT Other, please consult factory	4F 4'-0" (1219.2MM) 8F 8'-0" (2438.4 MM) Mix and match to get desired length* Track can be cut in field to exact dimensions with the CTC track cutting tool	1 White 2 Black	EFC(qty) LC(qty) LJ(qty) RB(qty) SC(qty) MJ(qty) EC2(qty)	End feed Connector low voltage (required)* L-Connector (needed for 90° corners) L-Joint Mechanical (ST6 only) (needed for 90° corners Reinforcing bracket for joining LV recessed (to connect two tracks) Straight Connector, no feed (needed for electrical connection when (2) tracks are next to each other Mechanical L-joint (Used with L-Joint- ST6) (For 45° angles ST3) End Cap. (1) required on the last track of every run. (2) required for ST6

_____ () - _____ () - **CTC()** - _____ () - _____ (order code cont'd page 2-3)

profile mountings (specify quantity per run)	installation option	power supply 120/277VAC (specify quantity per run)	dimming
MB Mounting Bracket (recessed ST3 only - 4 per meter needed) SW15 suspension steel wire, 4'-11 1/16" (1500mm) SW25 suspension steel wire, 8'-2 7/16" (2500mm) PCS pendant clip for suspension, short PCL pendant clip for suspension, long	CTC cutting tool for track conductors * 1 cutting tool required per order. Request more if needed.	4860 48V 60W (KU7000001046) 4880 48V 80W (KU7000001047) 48100 48V 100W (KU7000001048) See page 8 for details and order example	DALI - Dali D2 - 0-10V dim (10%); 120/277VAC ONF - On/Off

Track Ordering Example: KU48M-ST6P-DW-4f +8F-2-EFC(1)-SC(1)-EC3(2)-SW15(2)-CTC-48120-D2

See page (2-3) to complete the luminaire order code*

*Recessed - drywall only ** Each Track segment requires one feed location and/or straight connector ****0-10V: recommended to use.
One end feed and one end cap required per complete ST6 run. One end feed required and one optional end cap for ST3.

**order codes
for luminaire
continue
on page 2 and 3**

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USA & Canada

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quotes@kreon.com

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kreon 48V magnetic track system

diapason 40 / 80 / 120



Order codes:

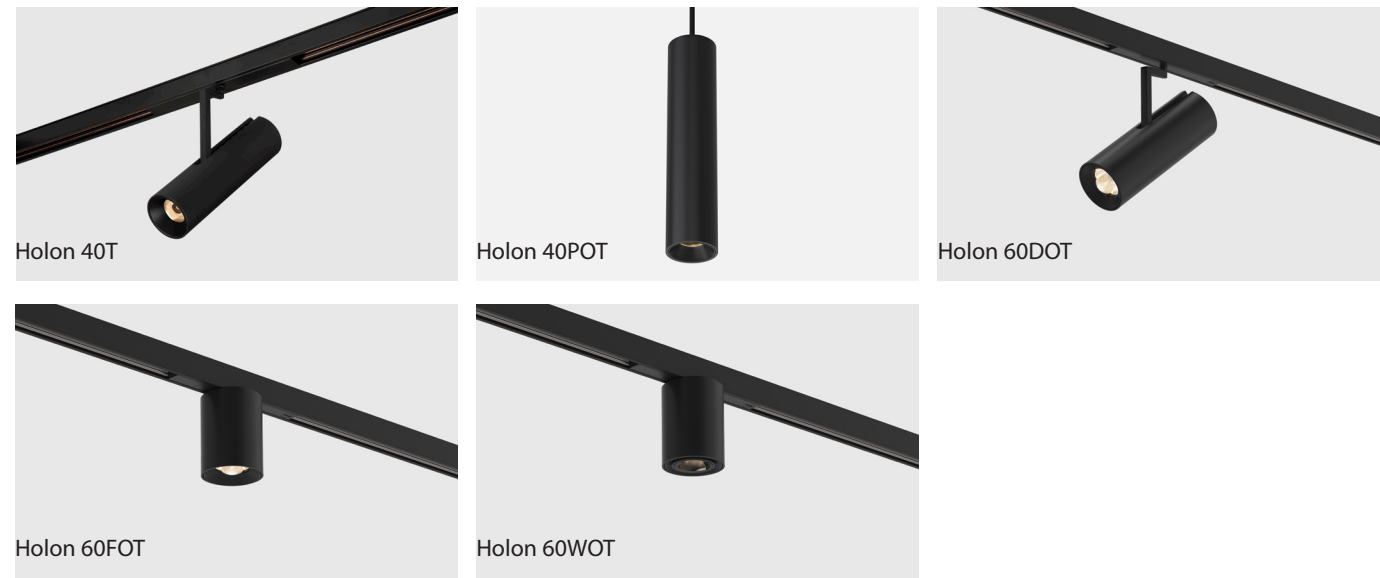
_____ - _____ - _____ - _____ - _____ - _____ - _____ - _____

kreon diapason on track		finish	beam angle	CCT	CRI	options (diapason 80 or 120 only)		qty
DIA40T	Diapason 40 On-Track Delivered 141lm@CRI80 / 109lm @CRI90	WH White	SP Spot DIA40T - 10°	27 2700k	80 CRI80	SGP Straight glare preventer (H30)	AG Anti-glare louver	Write down the desired number of luminaires per run
DIA80T	Diapason 80 On-Track Delivered 557lm@CRI80 / 428lm @CRI90	BL Black	DIA80T - 20° DIA120T - 12°	30 3000k	90 CRI90	RGP Rounded glare preventer (H54)	DL Diffusing Lens	
DIA120T	Diapason 120 On-Track Delivered 1185lm@CRI80 / 939lm @CRI90+ / 1761lm @ CRI98+	BLC Black with copper lamphead (DIA80T only)	FL Flood DIA40T - 24° DIA80T - 30° DIA120T - 24°		98 CRI98 (DIA 120 only)		SL Sculptured Lens (Diapason 120 only)	
			WFL wide flood DIA40T - 46° DIA80T - 40° DIA120T - 38°			You can pick up to (2) lenses with (1) glare preventer.		

Lighting Element Ordering Example: DIA80T-BLC-FL-27-90-SGP-DL-2
Minimum spacing on center: 7" diapason 80

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holon 40 / 60

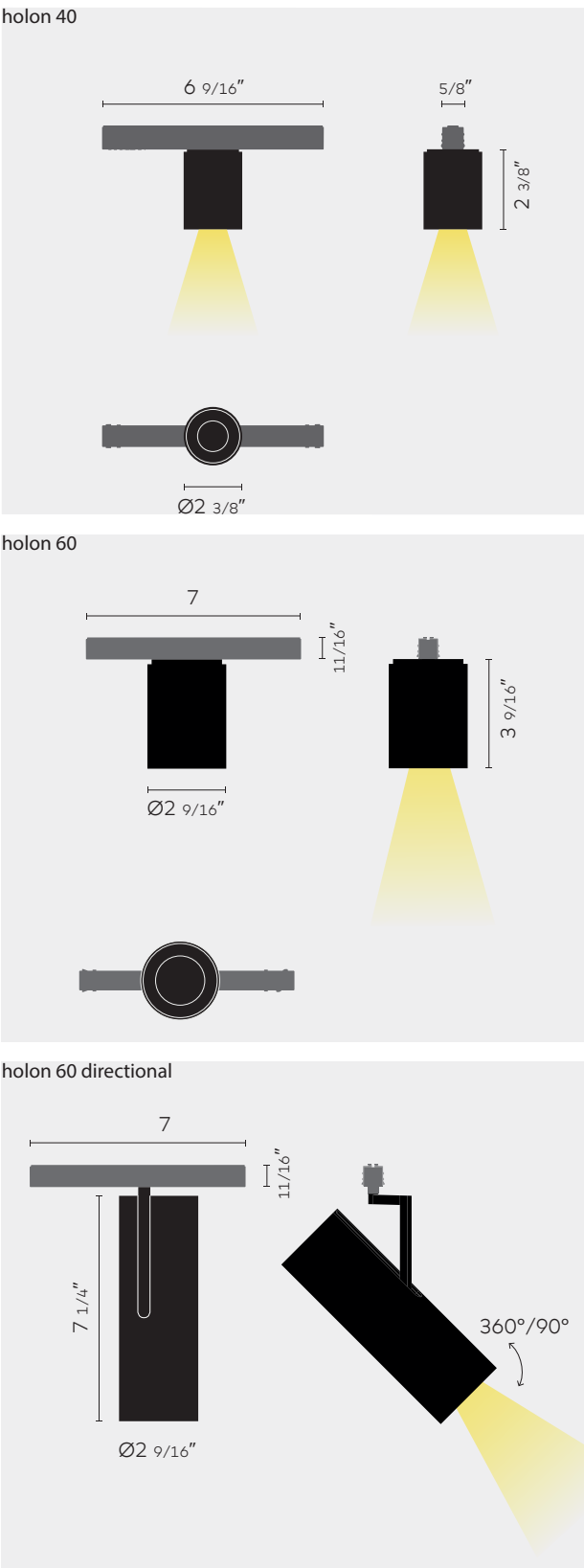


Order codes:

kreon holon on track		finish	beam angle (HOL40T HOL60DOT & HOL60FOT)	HOP40T beam angle (pendant only)	CCT	CRI	options ²		qty
HOL40T	Holon 40 On-Track Delivered 721lm@ CRI80+ / 558lm @ CRI90+	BL - Black WH - White	SP Spot 20° FL Spot 30° WFL wide flood 40°	DL ³ Dark light 38° WFL ³ wide dark light 76°	27 - 3000k 30 ¹ - 3000k 35 ² - 3500k 40 ² - 4000k	90+ CRI90	DL ¹ Diffusing Lens SC ¹ Sculpture lens	AG ¹ Anti-glare louver (required to hold lens.)	Write down the desired number of luminaires per run
HO4POT ²	Holon 40 Pendant On-Track Delivered 426lm@ CRI90+								
HOL60DOT	Holon 60 Directional on-track		BL - Black WH - White	SSP Spot (18°) SP Superpot (34°) FL Flood (54°) WFL Wide Flood (34°)		27 - 3000k 30 - 3000k 35 - 3500k 40 - 4000k	90+ CRI90 95 CRI95	LL Low Louvre DL Deep Recessed Louvre	Write down the desired number of luminaires per run
HOL60FOT	Holon 60 Fixed on track								
HOL60WOT	Holon 60 Wallwasher on track								

Lighting Element Ordering Example: HOL4OT-WH-SP-27-95-AG-DL-2
 Minimum spacing on center: 7" holon 40 & holon 60
¹ Not available with holon pendant on track. ² Only available in black louver only. ³ Not available with HOL40T.

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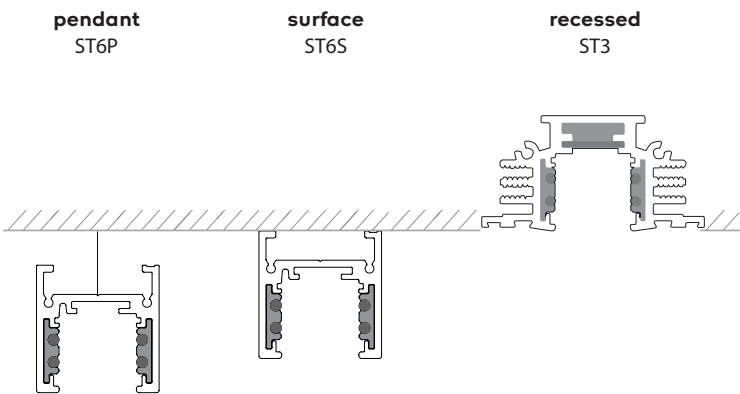
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Order codes:

_____ - _____ - _____ (____) + _____ (____) _____ - _____							
kreon lini on track		finish		length (specify quantity per run)		CCT	CRI
LINI10T	Lini 10 On-Track	WH White	BZ Bronze	09 2' 11" (911mm), 15.5W, 466lm	15 4 11" (1511mm), , 21.6W, 774lm	27 2700k	90+ CRI90
		BL Black		12 3 11" (1211mm), 17.3W, 620lm	30 3000k		
		Lighting Element Ordering Example: LINI10T-BL-12(2)-27-90					

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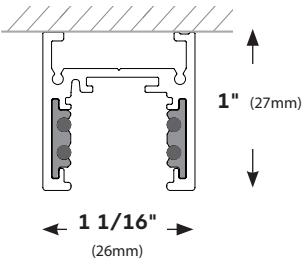
Application	<p>kreon 48V magnetic track system is a convenient way to light up your walls in any space you desire. The kreon 48V magnetic track system provides freedom and flexibility with its personalized profile track system. With the cutting edge magnetic light source you are free to add or move the Kreon lights quickly and easily. This do-it-yourself feature allows you to direct the light where you need it in order to create spot, task or even ambience lighting. kreon low voltage magnetic system is an efficient alternative to other track systems. The magnetic low voltage system is perfect for high end residential, commercial or retail stores where displays are often changed.</p>
Mounting	<p>kreon low voltage channel system is available in recessed, pendant or surface mount. It is easily installed in drywall, plaster, wood or suspended ceilings. 90° corners available as an option. The trimless installation of the recessed mount creates an invisible track making this a polished and refined system.</p>
Lighting Element	<p>The holon 40, 60, diapason 40, 80 , 120, and lini 10 are the available magnetic lighting elements that can be used on the 48v track.</p>
Finish	<p>black or white available for track, holon, lini and diapason.. Black with copper lamphead is available with Diapason 80 on track only. Lini available in bronze.</p>
Color temperatures / CRI	<p>Diapason: 2700K or 3000K with diapason. CRI 80, CRI 90, CRI 98 Holon: 2700k, 3000k, 3500k or 4000k with holon. CRI90+</p>
Delivered Lumens	<p>Holon 40: 721lm delivered at CRI80; 558lm delivered at CRI90 Holon 40 Pendant on track: 426lm delivered at CRI90 Holon 60 808lm / 90CRI / SSP/SP (beam angle) Holon 60 1211lm / 90CR / FL/WFL (beam angle) Diapason 40: 141lm delivered at CRI80; 109lm delivered at CRI90 Diapason 80: 557lm delivered at CRI80; 428lm delivered at CRI90 Diapason 120: 1185lm delivered at CRI83; 939lm delivered at CRI90; 1761lm delivered at CRI98 Lini on-track: produces up to 155 lm/ft</p>
Input Voltage	<p>48VDC (units/track) 120/277 VAC; 50/60 Hz (power supply)</p>
Power Supply	<p>HLG-60H-48 = 62.4W • HLG-80H-48 = 81.6W • HLG-100H-48 = 96W</p>
ETL / UL	<p>ETL Pending for US and Canada. Track is UL listed, class 48Vdc @ 2.0A, UL listing # E490801, 20N Guarantee 36 months. 5 year warranty on LED and driver</p>



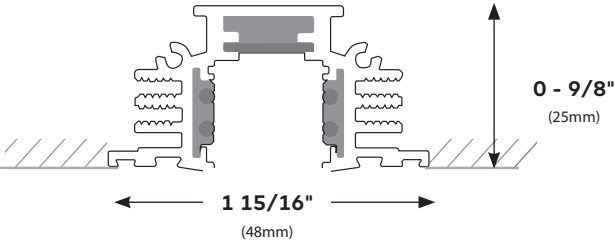
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Track Dimensions / Mounting

low voltage track
surface or pendant mount
(ST6)

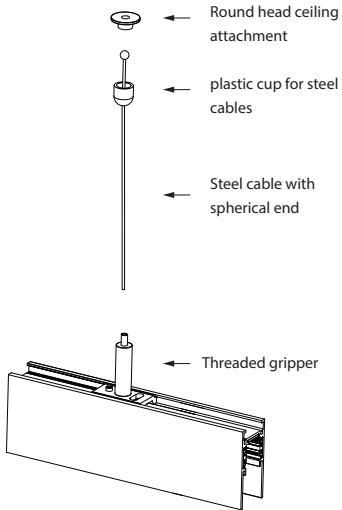


low voltage track recessed
(ST3)



Pendant mounting (drywall) - ST6

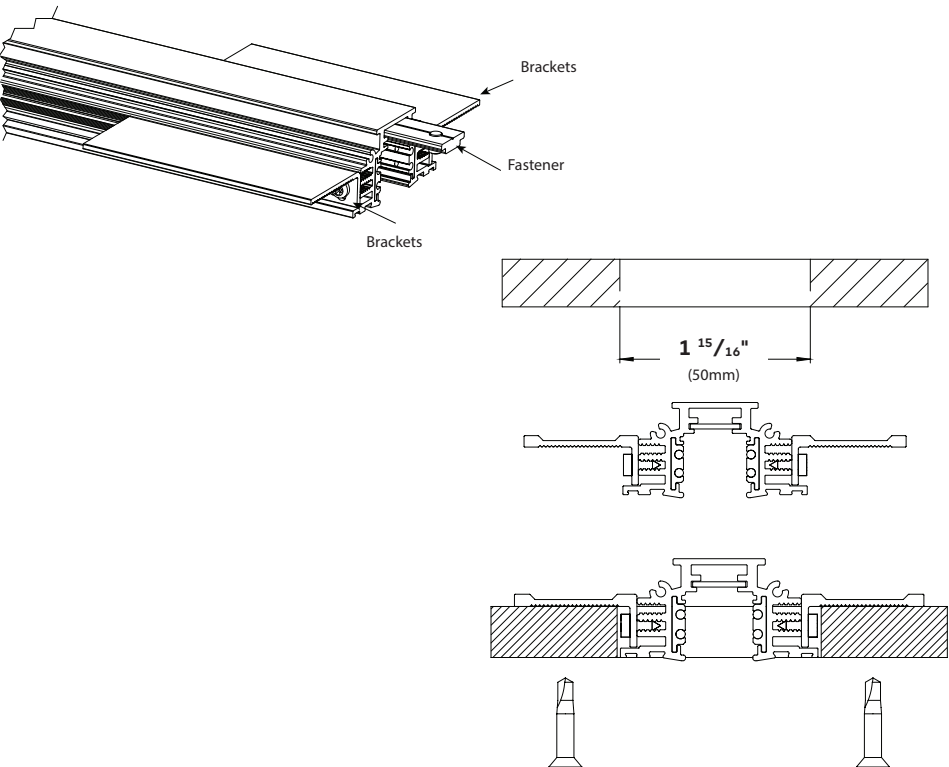
Other pendant mounting
versions available depending
on ceiling type. Consult factory.



Recessed (drywall) - ST3

Brackets are recommended for trimless tracks. Use 4 brackets per meter of track (secured on each side and distributed uniformly). Fasteners are used to connect two tracks together.

Track must be positioned above the plasterboard in the manner below-illustrated. Use appropriate screws (not supplied with the brackets) to fasten the track to the plasterboard. Before inserting the track into the plasterboard, mark on the outside the position of the screws in relation to the track's bracket.



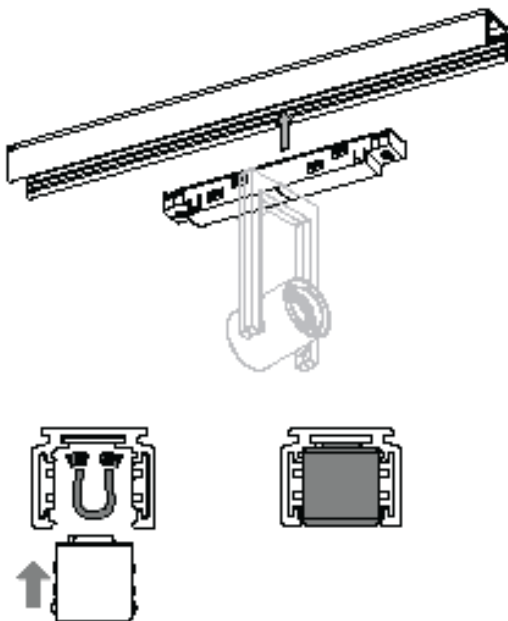
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Mounting Magnetic Adaptor / Luminaire

Installation - Magnet

All adaptors are equipped with permanent magnets which provide connection to the metal plate inside the track. Insert the magnetic linear profile into the track until you hear a CLICK - then it is securely in place.

**** All installation magnets need to be in the same direction on track**** Once in place, then feel free to rotate the luminaire and point the light source in the direction you prefer.



Rotation / Inclination - Lighting Element

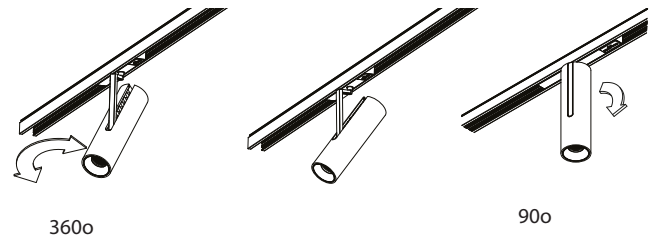
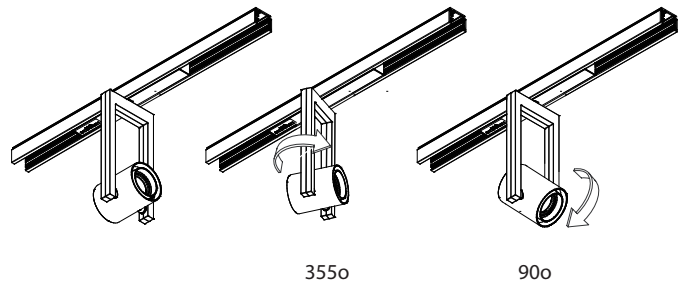
diapason 40 profile can rotate max 355 degrees and the fixture can be inclined max 90

diapason 80 profile can rotate max 390 degrees and the fixture can be inclined max 90 degrees.

diapason 120 profile can rotate max 355 degrees and the fixture can be inclined max 90 degrees.

The holon 40 profile can rotate max 360 degrees and inclined up to 90 degrees after install.

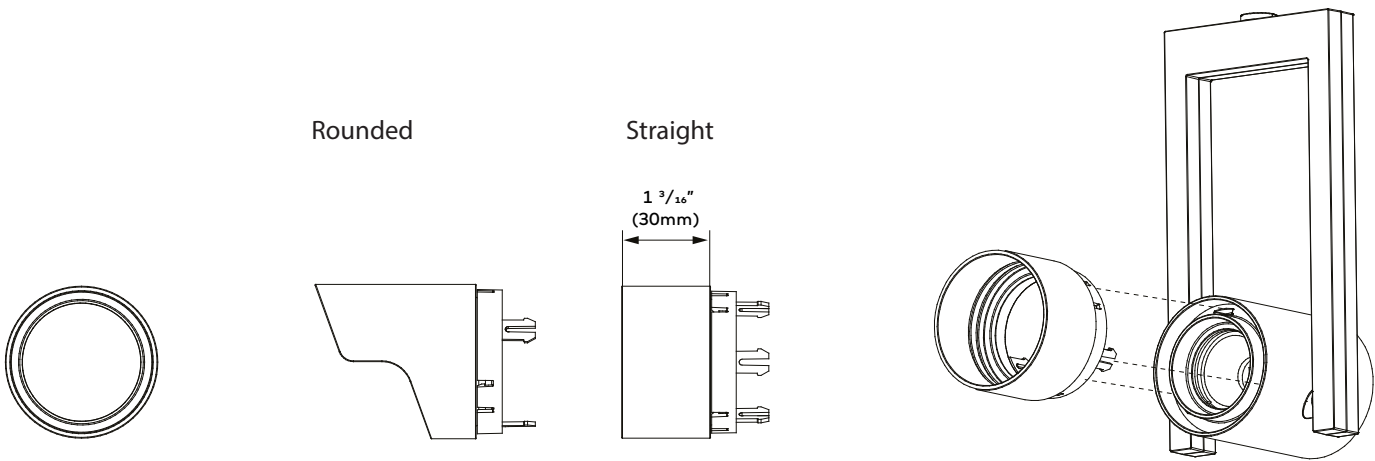
The holon 60 directional profile can rotate max 360 degrees and inclined up to 90 degrees after install.



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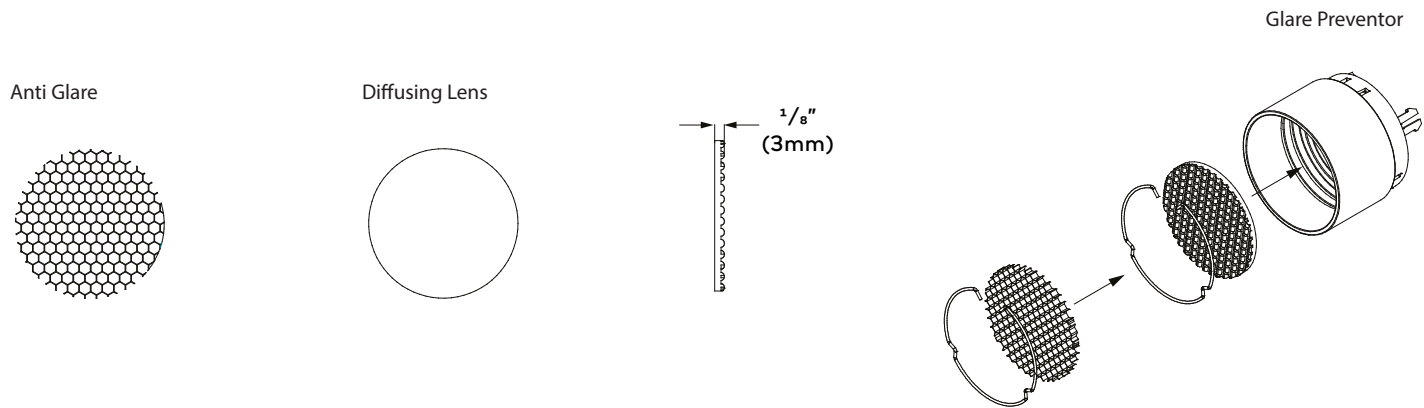
Diapason 40 and 80 Glare Prevention

Glare Preventer



for detailed information see the Diapason 80 or 120 spec sheet*

Glare Preventor with lenses



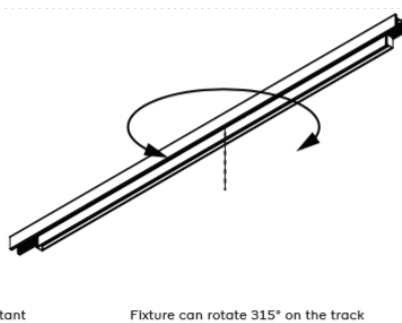
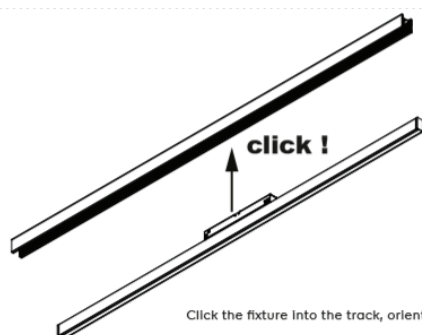
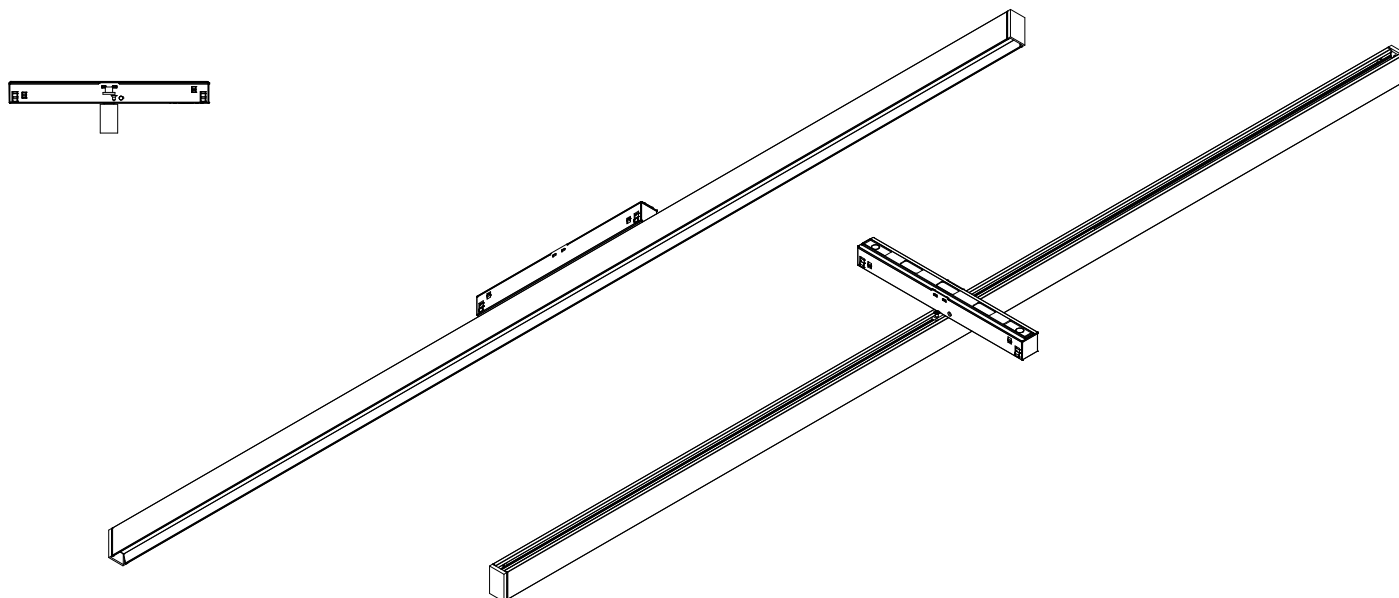
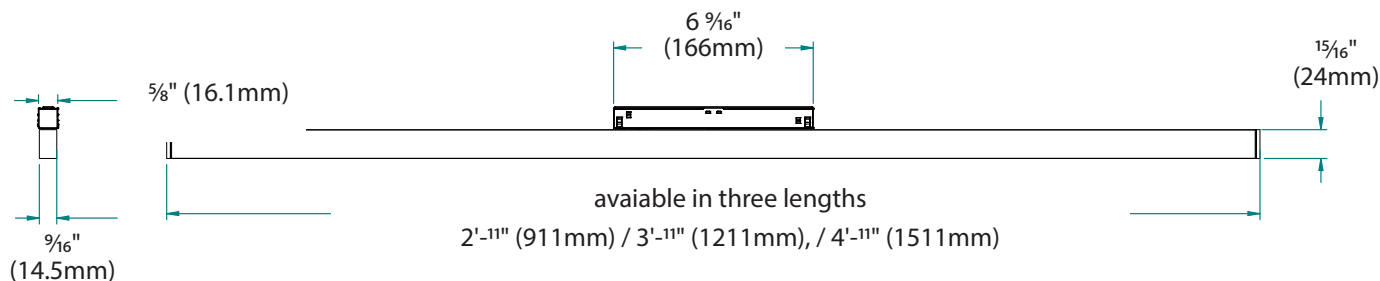
With (1) glare preventor, up to (2) lenses can be used at one time.

diapason 80 anti glare louver	1 27/32" (47mm diameter)
diapason 80 diffusing lens	1 27/32" (47mm diameter)
diapason 120 anti glare lens	3 1/2" (89mm diameter)
diapason 120 diffusing lens	3 1/2" (89mm diameter)
diapason 120 sculptured lens	3 1/2" (89mm diameter)

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Lini on-track

continuous linear light is an essential tool for architects and lighting designers. Lini available in 3 lengths and can rotate 360 degrees on track.



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Power Supply

48V Power Supply

The 48V Power Supply provided comes in a variety of wattages ranging from 62.4W-120W. These power supplies can be selected to best suit the requirements of each individual job.

For best results ensure that the maximum length of an individually powered track section, including the distance from the control and feed, is $\leq 300\text{ft}$ using a minimum of 18GA AWG wire.

In order to ensure that the minimum power requirements of the units are met simply add together the wattage and amperage of the desired units for the track section. The power draw for an individually powered section must not exceed 2A.

Holon 40	10.9W @ 0.188A
Holon 60	21W @ 0.438A (Flood / Wideflood) 13W @ 0.271A (Spot / Superspot) 16W @ 0.333A (Holon 60 Directional)
Diapason 40	4.5W @ 0.094A (90CRI)
Diapason 80	8.2W @ 0.171A
Diapason 120	22W @ 0.458A (Spot) 19W @ 0.396A (Flood) 22.4W @ 0.467A (Wide Flood)

The available Meanwell power supplies are:

- HLG-60H-48 = 62.4W (4860 on page 1 order code)
- HLG-80H-48 = 81.6W (4880 on page 1 order code)
- HLG-100H-48 = 96W (48100 on page 1 order code)

An example of a section run would be:

4 Holon 40s and 3 Diapason 80s

$$\text{Holon 40} = 9\text{W} \times 4 = 36\text{W} \mid 0.188\text{A} \times 4 = 0.752\text{A}$$

$$\text{Diapason 80} = 8.2\text{W} \times 3 = 24.6\text{W} \mid 0.171\text{A} \times 3 = 0.513\text{A}$$

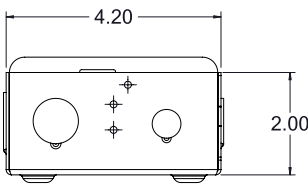
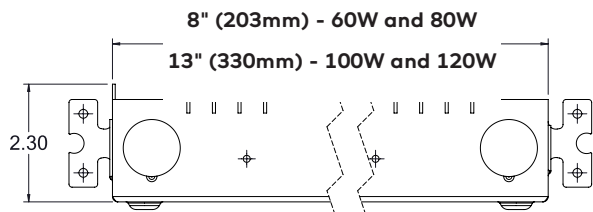
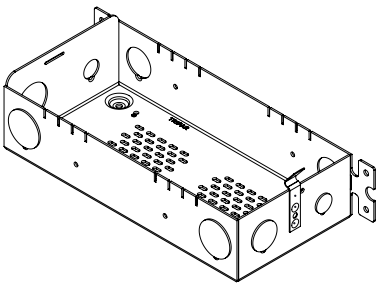
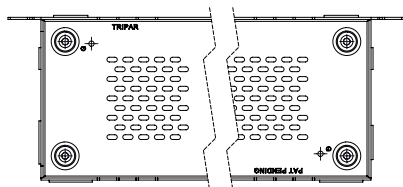
Total requirements of the run:

$$36\text{W} + 24.6\text{W} = 60.6\text{W}$$

$$0.752\text{A} + 0.513\text{A} = 1.265\text{A}$$

This run will require a minimum of the HLG-60H-48 power supply and is under the maximum 2A required per section

Backbox



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Photometry

diapason 40



Report Number: 906601-002-RFL000

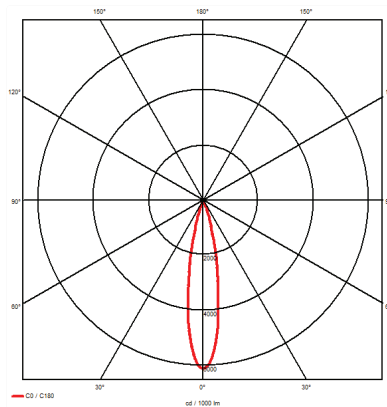
Delivered lumens: 141lm

Luminaire Efficacy: 46.88lm/w

CCT: 2700K

CRI: 80

Power: 3.2W



diapason 80

wide flood with rounded glare preventer



Report Number: 91661x_1x008-R500JH

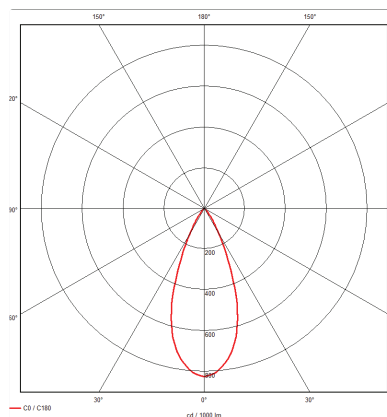
Delivered lumens: 428lm

Luminaire Efficacy: 79.27 lm/W

CCT: 2700K

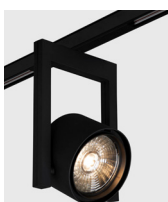
CRI: 90

Power: 8.2W



diapason 120

wide flood with rounded glare preventer



Report Number: 926601_1x022-R38000

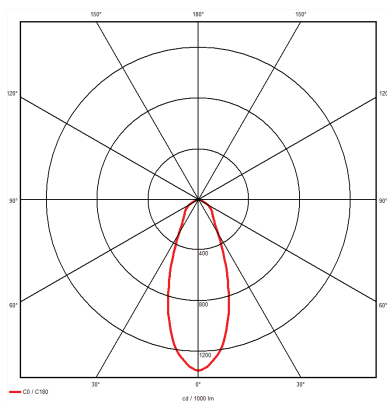
Delivered lumens: 1794lm

Luminaire Efficacy: 80.09 lm/W

CCT: 2700K

CRI: 98

Power: 22.4W



lini 10



Report Number: 97411X1092700380000

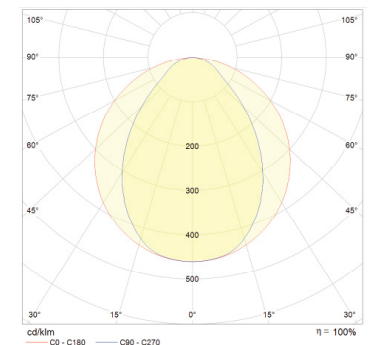
Lini10OT-WH-09-27-90

Delivered lumens: 155lm/ft

CCT: 2700K

CRI: 90+

Power: 15.5W



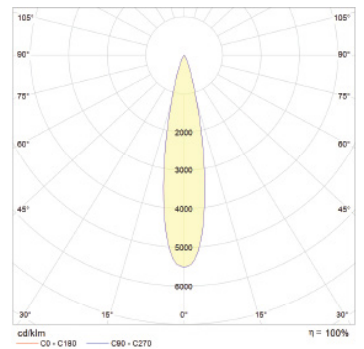
kreon 48V magnetic track system

Photometry

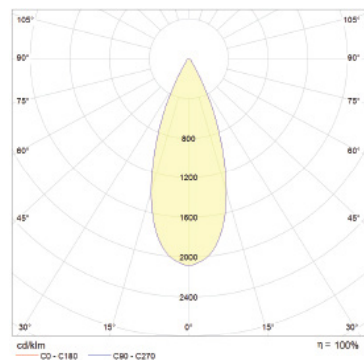
holon 40



KUHOL-40-DRR-DW-SP-27-SO-80
CCT: 2700K
CRI: 80+
Power: 10.9W
Delivered lumens: 663lm



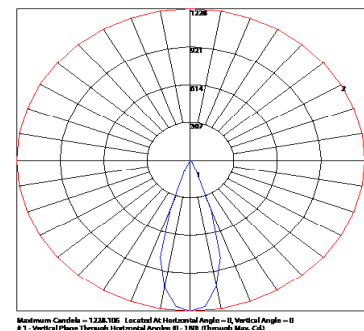
KUHOL-40-DRR-DW-WFL-27-SO-80
CCT: 2700K
CRI: 80+
Power: 10.9W
Delivered lumens: 671lm



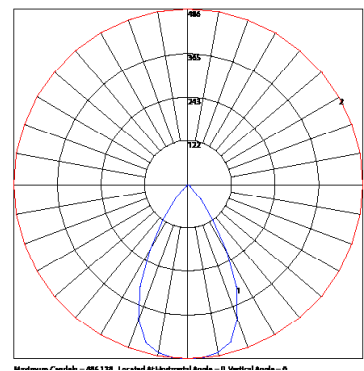
holon 40 Pendant on track



Holon 40 Pendant Dark Light
CCT: 2700K
CRI: 90+
Power: 9W
Delivered lumens: 413 lumens (45 lm/W)



Holon 40 Pendant Wide Dark Light
CCT: 2700K
CRI: 90+
Power: 9W
Delivered lumens: 426 lumens (47 lm/W)



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holon 60 on track



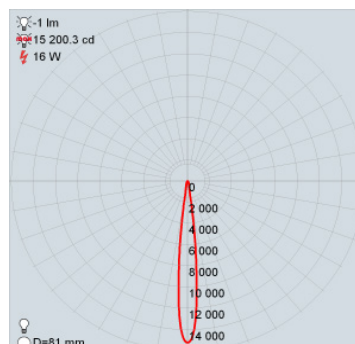
Holon 60 Directional, Spot

CCT: 3000K

CRI: 90+

Power: 16W

Delivered lumens: 808 lumens (50 lm/W)



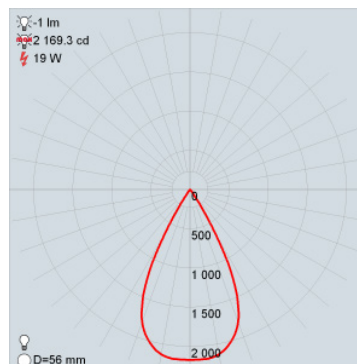
Holon 60 Fixed, Flood

CCT: 2700K

CRI: 90+

Power: 19W

Delivered lumens: 1031 lumens (54 lm/W)



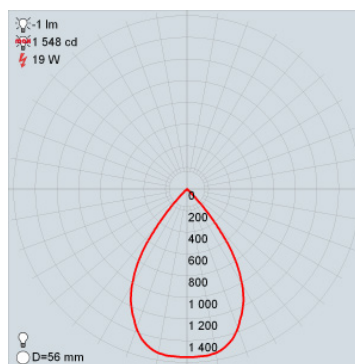
Holon 60 Fixed, Wide Flood

CCT: 2700K

CRI: 90+

Power: 19W

Delivered lumens: 1211 lumens (63 lm/W)



Holon 60 Wallwasher

CCT: 2700K

CRI: 90+

Power: 12W

Delivered lumens: 605 lumens (47 lm/W)

