

Free-Dot System Specification

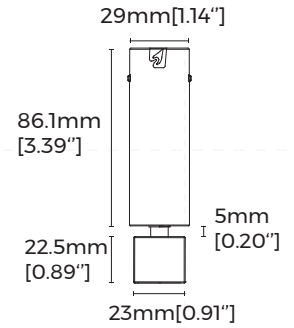
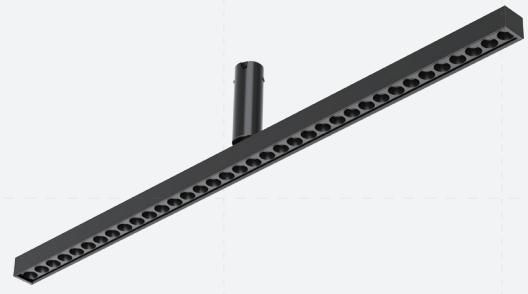
HM40G

— HOLA series



【Basic Parameters】

- Installation: Ceiling
- Material: AL6063-T5
- Coating: Black/White(Customizable) optional
- Dimming method: Non/DALI-2/CASAMBI
- Input voltage: DC48V
- SDCM: <3 Step (ANSI)
- CRI: 90
- CCT: 2700/3000/4000K optional
- Beam angle: 30°/55°
- Application: Indoor
- IP grade: IP20
- Warranty: 5 years
- Certification: CE、UKCA、ETL、ROHS、Reach



【Luminaire Parameters】

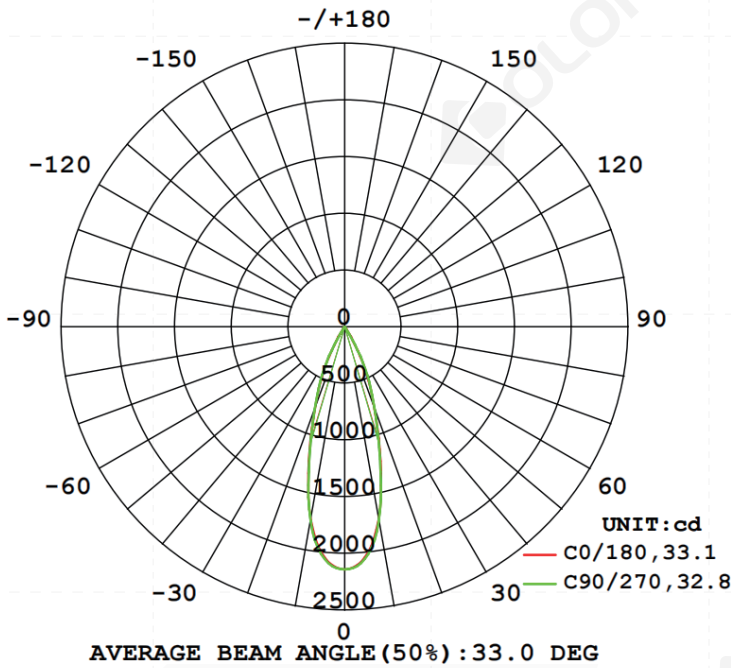
Version	Model	Length	Input Voltage (V)	Max. Current (A)	Type Power (W)	Max. Power (W)	CRI	Beam Angle	CCT	Lumen (LM)
Normal	HM40G	650mm [2.13']	DC48V	0.271	13	13	>90	30°	2700K	832 [390LM/ft]
									3000K	858 [403LM/ft]
									4000K	910 [427LM/ft]
									2700K	1664 [390LM/ft]
									3000K	1716 [403LM/ft]
									4000K	1820 [427LM/ft]
		1297mm [4.26']		0.542	26	26		55°	2700K	767 [360LM/ft]
									3000K	793 [372LM/ft]
									4000K	845 [397LM/ft]
									2700K	1534 [360LM/ft]
									3000K	1586 [372LM/ft]
									4000K	1690 [397LM/ft]
650mm [2.13']	0.271	13	13	55°	2700K	767 [360LM/ft]				
					3000K	793 [372LM/ft]				
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1297mm [4.26']	0.542	26	26	55°	3000K	1586 [372LM/ft]				
					4000K	1690 [397LM/ft]				
					2700K	767 [360LM/ft]				
					3000K	793 [372LM/ft]				

Note:

1. The above parameters were tested based on Ra90, 4000K, 30° light source;
2. luminous flux is allowed to have a ±10% error range;
3. The above parameters are typical values.

[Optical Parameter]

· Beam angle: 30°



luminous intensity distribution diagram

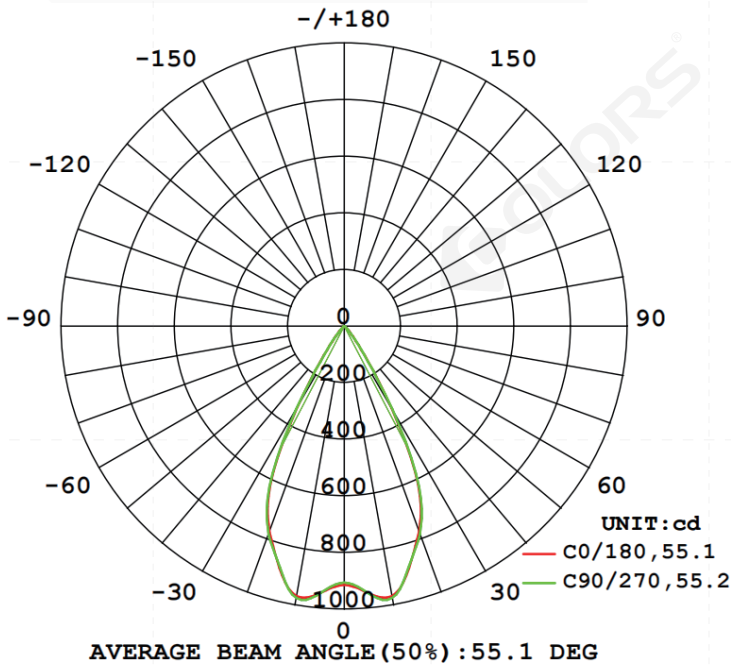
Flux out: 427.9 lm

Height	Eavg, Emax	Angle: 32.74deg	Diameter
1m	1457, 2143lx		58.75cm
2m	364.3, 535.7lx		117.50cm
3m	161.9, 238.1lx		176.26cm
4m	91.08, 133.9lx		235.01cm
5m	58.29, 85.7lx		293.76cm
6m	40.48, 59.5lx		352.51cm
7m	29.74, 43.7lx		411.26cm
8m	22.77, 33.4lx		470.02cm
9m	17.99, 26.4lx		528.77cm
10m	14.57, 21.4lx		587.52cm

Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

AAI Figure

· Beam angle: 55°



luminous intensity distribution diagram

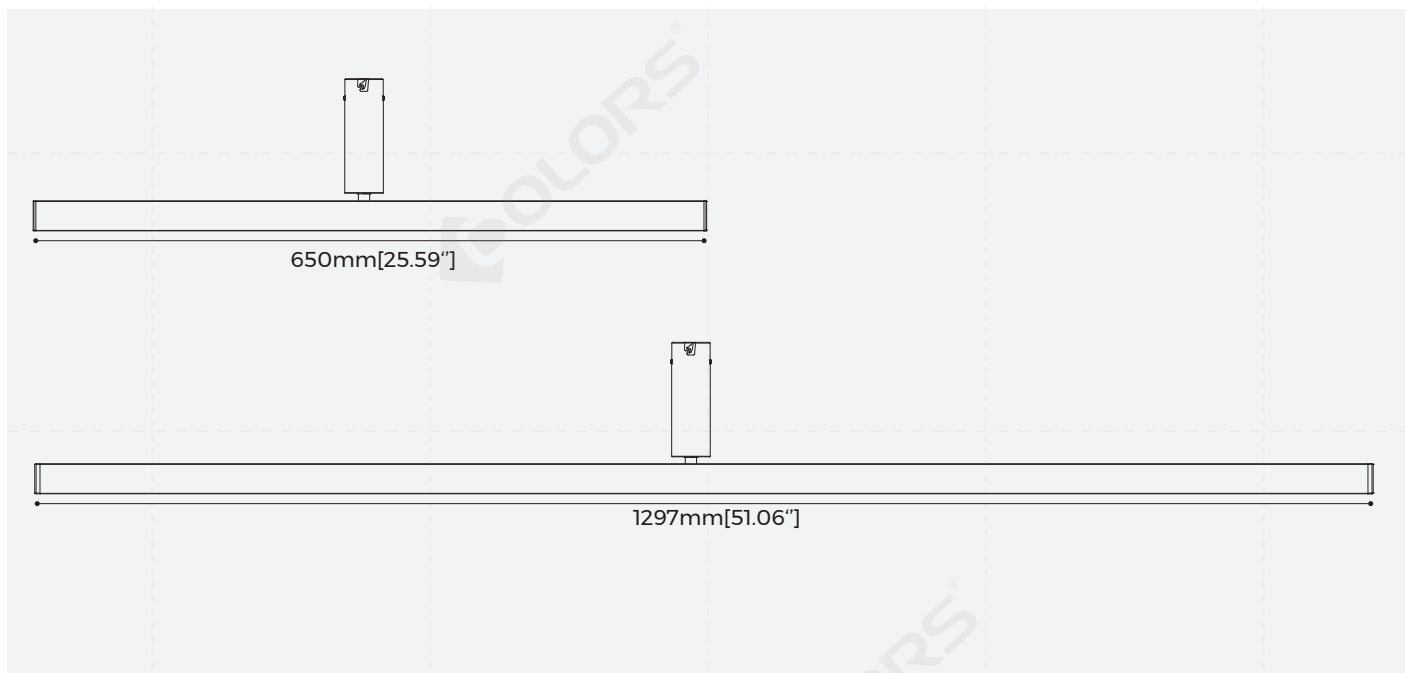
Flux out: 566.9 lm

Height	Eavg, Emax	Angle: 55.17deg	Diameter
1m	638.3, 948.2lx		104.49cm
2m	159.6, 237.0lx		208.98cm
3m	70.92, 105.4lx		313.47cm
4m	39.90, 59.2lx		417.95cm
5m	25.53, 37.9lx		522.44cm
6m	17.73, 26.3lx		626.93cm
7m	13.03, 19.3lx		731.42cm
8m	9.974, 14.8lx		835.91cm
9m	7.881, 11.7lx		940.40cm
10m	6.383, 9.4lx		1044.89cm

Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.


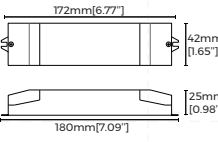






AAI Figure

[Product mechanical data]



[Product Accessories Information]

Picture	Section size	Name	Description	Model	Note
		Base	Material: PC+ADC12 Input Voltage:DC48V Coating:Black,White Open Size: ϕ 45mm Rated Power:150W Rated Current:3A Certification:CE Warranty:5 years Maximum load: 8Kg/Lamp	RA-HR40(N)	
		Base	Material: PC+ADC12 Input Voltage:DC48V Coating:Black,White Open Size: ϕ 55mm Rated Power:150W Rated Current:3A Certification:CE Warranty:5 years Maximum load: 1Kg/Lamp	RA-HE40	
		Quick connector	Material:PA6 Size:L38*W9.4*H10.5mm [Inch Size: L1.5"*W0.37"*H0.41"] Applicable wires: solid wire:0.5-4mm ² stranded wire:0.5-2.5mm ² Rated Voltage:250V/600V Rated Current:32A Certification:CE Warranty:3 years	TB-02	

		<p>CASAMBI controller</p>	<p>Dimming mode: CASAMBI Size :180*42*25mm [Inch Size:7.09"*1.65"*0.98"] Input voltage :24-48VDC Output signal: DALI Output DALI Max.current: 250mA Control devices:≤64 Control groups:≤8 Certification:CE,UKCA Warranty:5 years</p>	<p>1200EN1612-CAS -0-0000003</p>	<p>Controller should be used with DALI dimming modules.</p>
		<p>Power supply</p>	<p>Dimming mode: Non-dimming Size:350*30*18mm Input voltage:AC220~240V Operating frequency: 50/60Hz PF value:≥0.9 Output voltage:48V Output current:2.1A Power:0-100W Efficiency:0.9</p>	<p>BN-V48-100P</p>	
		<p>Power supply</p>	<p>Dimming mode: Non-dimming Size:350*30*18mm Input voltage:AC220~240V Operating frequency: 50/60Hz PF value:≥0.95 Output voltage:48V Output current:3.125A Power:0-150W Efficiency:0.9</p>	<p>BN-V48-150P</p>	<p>Power supply Accessories</p>
		<p>Power supply</p>	<p>Dimming mode: Non-dimming Size:400*40*22mm Input voltage:AC220~240V Operating frequency: 50/60Hz PF value:≥0.95 Output voltage:48V Output current:5.12A Power:0-250W Efficiency:0.9</p>	<p>BN-V48-250P</p>	

Note:

1. Max. power cable (16AWG main cable) of base ≤ 50M
2. Total power of modules during work < 80%-85% output power of supply

[System]



[Packing]

Model	Size (mm/box)	Quantity /box	Quantity /carton	NW (kg/box)	NW (kg/carton)	GW (kg)	Size (mm/carton)
FD-HM40G300650-N940B13	35*135*660 (1.38**5.31**25.98")	1	9	0.33	2.97	6.50	680*417*130 (26.77**16.4**5.1")
FD-HM40G301300-N940B26	35*135*1300 (1.38**5.31**51.2")	1	9	0.68	6.12	8.90	1320*417*130 (52**16.4**5.1")

[Attentions]

- 1、 Non-professionals are prohibited from installing, disassembling and repairing the product
- 2、 Avoid scratching, distortion and irregular bending of the product during installation; otherwise it may cause irreparable damage to the product.
- 3、 Please use professional cutting tools when cutting
- 4、 Do not use any acid or alkaline adhesive to fix products
- 5、 The product is only suitable for indoor dry places, can not be used in outdoor, seaside or wet environment
- 6、 PC features: Each 10°C rise or drop will make diffuser extend or shrink 0.8mm/m, please confirm before processing and use.
- 7、 The insertion and removal of the base and lighting module shall not exceed 50 times