

Konlite ALTA LED Linear Bay Light

LED LINEAR HIGHBAY

Project Name:	
Catalog Number:	
Notes:	



Product Description:

The Konlite ALTA Series Linear Bay Light is the premiere choice for various applications as it is both wattage and CCT selectable, with offered accessories of PIR motion sensors and emergency backup batteries. Available in 2 ft and 4 ft lengths, the ALTA Series Bay Light saves consumers money on both energy and maintenance costs. Ideal for both new constructions and retrofitting, this series is designed to replace 4 to 8 F32T8/F54T5 Fluorescent Tube Lights or 250-1000W Metal Halides.

Applications:

- Warehouses/Storage Facilities
- Industrial Facilities
- Retail Centers
- Auto Body Shops
- Gymnasiums
- Manufacturing Plants, etc.

Features:

Construction

Heavy-Duty Thick Gauge Steel

Electrical

- 0-10V Dimmable Driver
- Input Voltage: 120-277V
- Operating Temperature Range: -40°F to 113° F

Optic

- 4000K/5000K Selectable
- CRI > 80
- Glare Free Frosted Diffuser
- Beam Angle: 120°

Installation

- Hanging Chains (Included)
- Surface/Pendant Mount Kit (Sold Separately)

Controls

Motion Sensor Compatible (Sold Separately)

Certifications

- UL Wet Location Listed
 - DesignLights Consortium™ Qualified
- Note: Please refer to the DLC website for specific product qualifications at www.designlights.org

Warranty

5-year limited warranty. Complete warranty terms located at: <https://revolveled.com/pages/konlite-led-luminaire-limited-warranty>

Ordering Information						Example: KAT105MCLV2FM1B1
Series	Wattage	CCT	Voltage	Size	Motion Sensor	Emergency Battery
KAT	105=(105/90/80)W 165=(165/140/130)W 225=(225/195/175)W 300=(300/260/230)W	MC=4000K/5000K	LV=120-277V	2F=2FT 4F=4FT	Blank=Without Motion Sensor M1=Motion Sensor M2=NCL	Blank=Without Emergency Battery B1=20W Emergency Battery B2=30W Emergency Battery



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Rev. 2/20/24

Performance Data

Photometric Data

Lumen values are based on 277 AC input product configuration, contact for performance data on any configurations not shown here.

PART#	Wattage	Lumens	LPW	CCT	Voltage	DIM	Length
KAT105MCLV2F	80	13,100	163	4000K	120-277V	0-10V	1X2'
KAT105MCLV2F	80	12,800	159	5000K	120-277V	0-10V	1X2'
KAT105MCLV2F	90	14,450	160	4000K	120-277V	0-10V	1X2'
KAT105MCLV2F	90	14,100	156	5000K	120-277V	0-10V	1X2'
KAT105MCLV2F	105	16,500	157	4000K	120-277V	0-10V	1X2'
KAT105MCLV2F	105	16,100	153	5000K	120-277V	0-10V	1X2'
KAT165MCLV2F	130	20,600	158	4000K	120-277V	0-10V	1X2'
KAT165MCLV2F	130	20,100	154	5000K	120-277V	0-10V	1X2'
KAT165MCLV2F	140	22,000	157	4000K	120-277V	0-10V	1X2'
KAT165MCLV2F	140	21,450	153	5000K	120-277V	0-10V	1X2'
KAT165MCLV2F	165	25,150	152	4000K	120-277V	0-10V	1X2'
KAT165MCLV2F	165	24,550	149	5000K	120-277V	0-10V	1X2'
KAT225MCLV4F	175	30,100	172	4000K	120-277V	0-10V	1X4'
KAT225MCLV4F	175	29,400	168	5000K	120-277V	0-10V	1X4'
KAT225MCLV4F	195	33,200	170	4000K	120-277V	0-10V	1X4'
KAT225MCLV4F	195	32,400	166	5000K	120-277V	0-10V	1X4'
KAT225MCLV4F	225	37,600	167	4000K	120-277V	0-10V	1X4'
KAT225MCLV4F	225	36,650	163	5000K	120-277V	0-10V	1X4'
KAT300MCLV4F	230	37,850	165	4000K	120-277V	0-10V	1X4'
KAT300MCLV4F	230	36,950	160	5000K	120-277V	0-10V	1X4'
KAT300MCLV4F	260	41,950	161	4000K	120-277V	0-10V	1X4'
KAT300MCLV4F	260	40,950	157	5000K	120-277V	0-10V	1X4'
KAT300MCLV4F	300	47,500	158	4000K	120-277V	0-10V	1X4'
KAT300MCLV4F	300	46,300	154	5000K	120-277V	0-10V	1X4'

Wattage & CCT Selectivity

Selectable Wattages

Size	Wattage Selections	Default Setting
2ft	105W/90W/80W	105W
	165W/140W/130W	165W
4ft	225W/195W/175W	225W
	300W/260W/230W	300W

Selectable CCTs

4000K/5000K

Accessories

Field Install (Sold Separately)

	HD09VR-PH PIR Motion Sensor		HD09VR-PHB NLC Wireless PIR Motion Sensor
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Field Install (Sold Separately)

	HD05R Remote Control		Surface/Pendant Mount Kit
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Emergency Backup Battery

	Emergency Backup Battery EMB20U1-260-20W/90min for ALTA-80W~165W, at AC120-277V		Emergency Backup Battery EMB30U1-260-30W/90min, for ALTA-175W~300W, at AC120-277V
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Electrical Data

Model Series	Wattage(W)	Current (A)			
		Input Voltage (V)			
		120	208	240	277
KAT105MCLV2F	80	0.74	0.43	0.37	0.32
	90	0.83	0.48	0.42	0.36
	105	0.97	0.56	0.49	0.42
KAT165MCLV2F	130	1.20	0.69	0.60	0.52
	140	1.30	0.75	0.65	0.56
	165	1.53	0.88	0.76	0.66
KAT225MCLV4F	175	1.62	0.93	0.81	0.70
	195	1.81	1.04	0.90	0.78
	225	2.08	1.20	1.04	0.90
KAT300MCLV4F	230	2.13	1.23	1.06	0.92
	260	2.41	1.39	1.20	1.04
	300	2.78	1.60	1.39	1.20

Lumen Maintenance

Operating hours	25,000	50,000	75,000	100,000
Lumen Maintenance Factor	>0.95	>0.89	>0.84	>0.79



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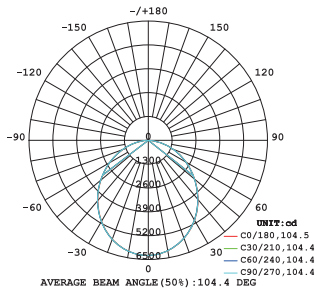
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Photometric Diagram

(105/90/80) W-(4000K/5000K) KUV

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

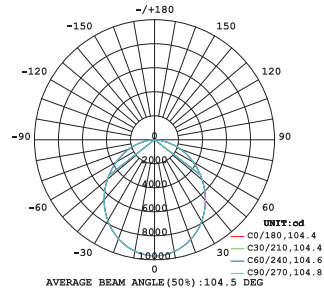


Flux out: 11450 lm

Height	Beam, Max	Angle: 104.45deg	Diameter
1m	2070.6277lx		258.04cm
2m	517.41569lx		516.07cm
3m	230.06974lx		774.11cm
4m	129.43983lx		1032.14cm
5m	82.79251lx		1290.18cm
6m	57.49174lx		1548.21cm
7m	42.24128lx		1806.25cm
8m	32.343607lx		2064.28cm
9m	25.557749lx		2322.32cm
10m	20.706277lx		2580.35cm

(165/140/130) W-(4000K/5000K) KUV

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



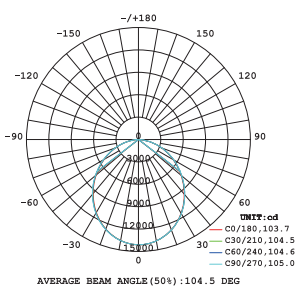
Flux out: 17663 lm

Height	Beam, Max	Angle: 104.45deg	Diameter
1m	3193.9674lx		257.98cm
2m	798.12418lx		515.96cm
3m	354.71075lx		773.94cm
4m	199.54044lx		1031.92cm
5m	127.72869lx		1289.90cm
6m	88.692687lx		1547.88cm
7m	65.191974lx		1805.87cm
8m	49.881511lx		2063.85cm
9m	39.411194lx		2321.83cm
10m	31.939674lx		2579.81cm

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

(225/195/175) W-(4000K/5000K) KUV

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

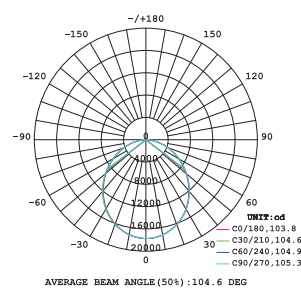


Flux out: 25141 lm

Height	Beam, Max	Angle: 103.75deg	Diameter
1m	4885.14104lx		254.75cm
2m	1221.35261lx		509.50cm
3m	542.01567lx		764.26cm
4m	305.34815lx		1019.01cm
5m	195.45442lx		1273.76cm
6m	135.73918lx		1528.51cm
7m	99.492878lx		1783.27cm
8m	76.332204lx		2038.02cm
9m	60.311741lx		2292.77cm
10m	48.851410lx		2547.52cm

(300/260/230) W-(4000K/5000K) KUV

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

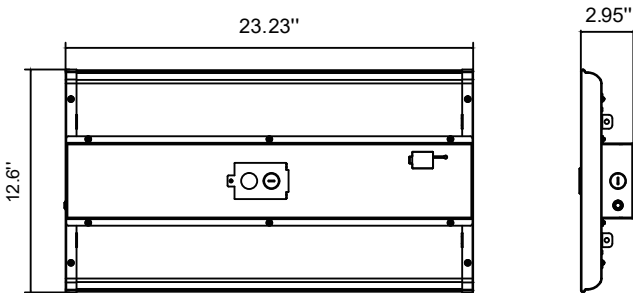


Flux out: 31651 lm

Height	Beam, Max	Angle: 103.85deg	Diameter
1m	6150.17732lx		255.21cm
2m	1537.4433lx		510.42cm
3m	683.31970lx		765.63cm
4m	384.41108lx		1020.84cm
5m	246.07093lx		1276.05cm
6m	170.64926lx		1531.26cm
7m	125.53619lx		1786.47cm
8m	96.09277lx		2041.68cm
9m	75.92218lx		2296.89cm
10m	61.50177lx		2552.10cm

Fixture Dimensions

105W/165W



225W/300W

