

Are you ready to jump?

JUMP CANTILEVER LED



DIRECT, RIBBED MESOOPTICS LENS - SOLIDSIDE
CRI >80 4000K, 2400 lm/4ft

Project: _____

Spec Type: _____

Catalog No: 1231LAGQE

Qty _____

Line Notes: _____



Ordering guide

Product Type	Source	Color Temp *	Lumens *	Lower Optics	Upper Optics	Run Length	Wiring †	Voltage	Driver	Finish
<input type="text" value="1231"/>	<input type="text" value="L"/>	<input type="text" value="A"/>	<input type="text" value="G"/>	<input type="text" value="Q"/>	<input type="text" value="E"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Jump Symmetric	L LED	A 4000K B 3500K C 3000K	G 2400 lm/4ft E 3600 lm/4ft	Q MesoOptics Lens	E No Perf P PixelPerf S SplashPerf	04 4' 08 8' XX Total run length (4' increments)	1 1 cct 3 1 cct w/ EM cct 5 1 cct w/ BP 7 1 cct w/ Dimming 8 1 cct w/ TW B 2 cct A/B	1 120V 2 277V 3 347V	E Standard	W Standard White T Titanium Silver B Black X Custom

* Nominal values within a range. Consult ies file for exact color temp and lumens † Consult website for complete list of standard wiring options

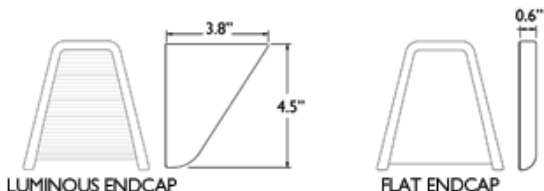
Mounting Hardware

Mount Type
Consult separate mounting spec sheet for mount type options

Endcaps -

Integrated Controls Please indicate with check mark.

No Options Available

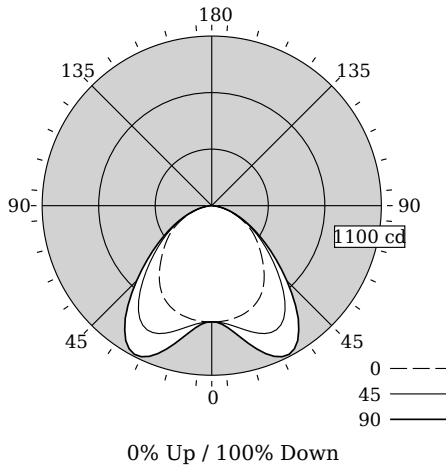


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Photometry



Total Output	2383 lm
Efficacy	85.7 lm/W
CCT	4018K
CRI	82
R9	17
Distribution	0% Up / 100% Down
Spacing Criteria (0/90/180°)	1.27/1.68/NA
Meets RP-1-04 recommendations for VDT-Normal spaces	

Values per 4ft unit

Fixture photometry has been conducted by an NVLAP accredited testing laboratory in accordance with IESNA LM-79:2008

Lumen maintenance of the LEDs has been tested by the manufacturer in accordance with IESNA LM-80:2008

IES files for this and other photometric options can be downloaded online at www.lightingproducts.philips.com

Candela Distribution

Vertical Angle	Horizontal Angle				Zonal Lumens
	0	22.5	45	67.5	
0	754	754	754	754	0
5	753	750	763	772	74
15	737	760	834	902	237
25	691	754	908	1036	411
35	592	668	829	946	501
45	456	505	601	665	453
55	338	356	391	414	346
65	214	219	227	233	225
75	99	99	103	105	110
85	21	22	22	19	16
90	0	0	0	0	0
95	0	0	0	0	0
105	0	0	0	0	0
115	0	0	0	0	0
125	0	0	0	0	0
135	0	0	0	0	0
145	0	0	0	0	0
155	0	0	0	0	0
165	0	0	0	0	0
175	0	0	0	0	0
180	0	0	0	0	0

Coefficients of Utilization (%)

RCR	Ceiling: Wall:	80				70				50			
		70	50	30	10	70	50	30	50	30	10		
0		119	119	119	119	116	116	116	111	111	111	111	111
1		110	105	102	98	107	103	100	99	96	93	96	93
2		101	93	87	81	98	91	85	88	83	78	83	78
3		92	82	75	68	90	81	74	78	72	67	72	67
4		85	73	65	59	82	72	64	69	63	57	63	57
5		78	66	57	51	76	65	57	63	55	50	55	50
6		72	59	51	45	70	58	50	57	49	44	49	44
7		67	54	45	39	65	53	45	52	44	39	44	39
8		62	49	41	35	61	48	41	47	40	35	40	35
9		58	45	37	32	57	45	37	43	36	31	36	31
10		55	42	34	29	53	41	34	40	33	28	33	28

Avg. Luminance (cd/m²)

Vertical Angle	Horizontal Angle		
	0	45	90
55	4970	5749	6220
65	4271	4530	4710
75	3226	3356	3454
85	2032	2129	1548

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens) 2383
Watts 27.8
Lumens per Watt (Efficacy) 85

Color Accuracy 82
Color Rendering Index (CRI)

Light Color
Correlated Color Temperature (CCT) 4018 (Bright White)

Warm White Bright White Daylight
2700K 3000K 4500K 6500K

Warranty** Yes

All results, except LED Lumen Maintenance, are according to IESNA LM-79-2008. Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

** See www.lightingfacts.com/products for details.

Registration Number: F462-CV8M5X (8/12/2013)
Model Number: 12x1LAGQE
Type: Other

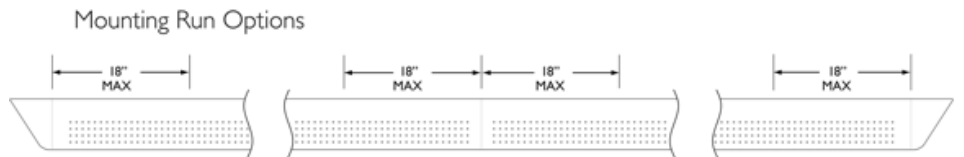
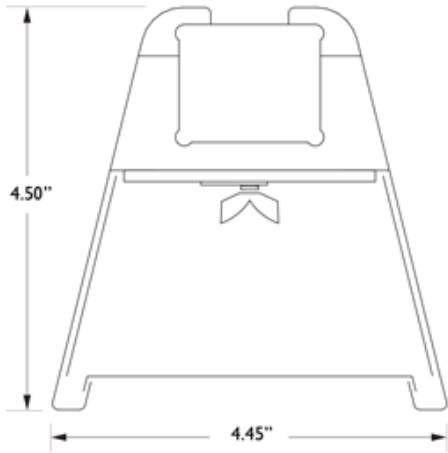
Electrical Specifications

Input Voltage	120V
Input Power	27.8W
Input Current	0.2A
Power Factor	0.981
Tested values – contact technical support for rated values. Off-state power zero unless certain controls are specified.	

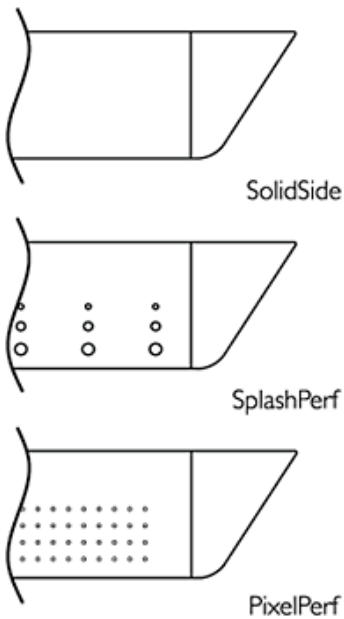
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Options and Details



Optics & Styles



Housing

20 gauge cold-rolled steel precision formed and welded with optional perforated patterns.

Weight

Maximum 3.5lb/ft.

Optical System

White light emitted from the LED sources passes through a biconvex lens where it is internally reflected and laterally refocused. Light is then redirected by Miro Silver reflectors and exits through the optical lens assembly. The optical lens assembly consists of an acrylic extrusion with a ribbed profile holding a layer of MesoOptics film. MesoOptics homogenizes the light and color to ensure consistency while controlling high angle glare and creating an optical batwing distribution.

Standard Driver

Dimming: 0-10V, 5-100%. Output is Class 2 rated.

Lumen Maintenance

At an ambient temperature of 25°C, the LED lumen maintenance expectation is L_{80} (12k) >60,000 hrs.

Mounting

Variable position mounts are supplied for each joint and end. The mounts can be installed up to 18" from joints and end locations. Tamper-resistant aircraft cable grippers provide infinite vertical adjustment capability. Aircraft cable, crimp and cable gripper are independently tested to meet stringent safety requirements.

Joints

Self-aligning joining system with hands-free pre-joining wire access.

Endcaps

Endcaps are diecast aluminum, available in luminous sculpted (standard) or flat (optional).

Electrical

Factory pre-wired to section ends with quick-wire connectors.

Approvals

Certified to UL, CSA and IES standards.

Finish

High quality powder coated, available in matte white, black or titanium silver. Other factory and custom colors available on request.

Environment

Rated for dry or damp locations in operating ambient temperatures 0-40°C (32-104°F). Certain luminaire components may be adversely affected by contaminants. Damage caused by sulfur, chlorine, petroleum based solutions or other contaminants are not covered under warranty.

Due to continuing product improvements, Philips Ledalite reserves the right to change the specifications without notice.



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