

.....Dialight



Dialight® LED Linear

Technical Specification Sheet - CE

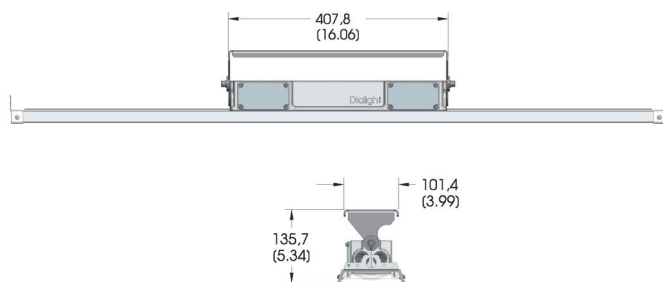
Vigilant® LED Linear

10 year warranty



Certifications & Ratings

- CE
 - EN 60598-1
 - EN 60598-2-1
 - EN 62471
- ENEC
- RCM
- IP66/67 to EN 60529
- IK10 to EN 50102



Dimensions in mm [inches]

Mechanical Information:

Fixture weight:	1.2m (4') - 5.9 kg (13 lb) 0.6m (2') - 4.5 kg (10 lb)
Shipping weight:	1.2m (4') - 10 kg (18 lb) 0.6m (2') - 6.8 kg (15 lb)
Mounting:	Factory-installed 316 stainless steel swivel bracket - LPXW4
Cable entries:	4 x M25 (2 either end)

Variable Dimming:

Variable dimming control:	0-10 VDC
Dimming range:	10 VDC = 100% light output 0 VDC = 5% light output

Electrical specifications:

Operating voltage:	100-277 VAC, 50/60Hz 120-250 VDC
Total system power consumption:	See table
Operating temp:	-40°C to +65°C (-40°F to +149°F)
EMC:	EN 55015, EN 61547, EN 61000-3-2 Class C, EN 61000-3-3
Transient protection:	EN 61000-4-5 6 kV line-to-line 6 kV line-to-ground
THD:	< 20%
Power Factor:	> 0.9

Construction:

Housing:	Copper-free aluminum
Finish:	Superior dual coat finish - Sealed polyester topcoat - Chemical resistant epoxy primer
Lens:	Hard-coated polycarbonate

Photometric Information:

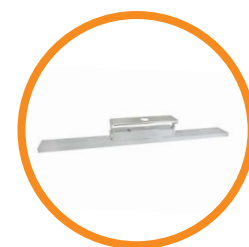
CRI:	80 minimum
CCT:	5000K (cool white)

All values typical unless otherwise stated (tolerance +/- 10%)

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Ordering Information

Vigilant® LED Linear - 10 year warranty



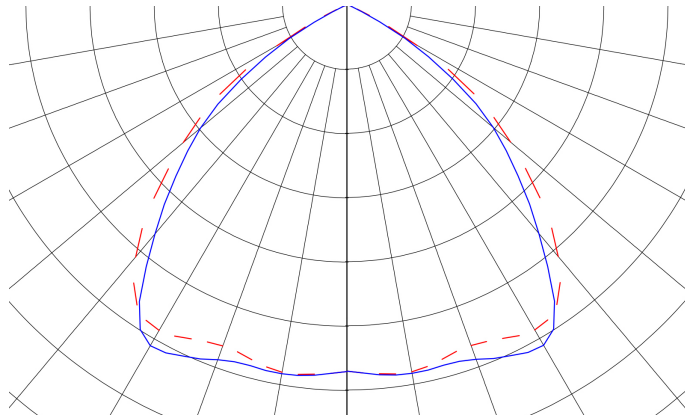
Part Number	Length	Fixture Lumens	Wattage	lm/W	IP Rating	Voltage	Colour Temperature (CCT)	Lens	Beam Distribution
LJE5MC25DANNGN	0.6m (2')	4,450	37	120	IP66/67	100-277 VAC / 120-250 VDC	5000K (cool white)	Diffused	Medium
LKE5MC27DANNGN	1.2m (4')	6,400	52	123	IP66/67	100-277 VAC / 120-250 VDC	5000K (cool white)	Diffused	Medium

All values typical unless otherwise stated (tolerance +/- 10%)

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Beam Distribution

Medium



In Rush Currents

Lumen Family	Wattage	In rush current @ input voltage			Time duration of in rush current @ input voltage		
		120 VAC	230 VAC	277 VAC	120 VAC	230 VAC	277 VAC
9K+	71	8A	15A	18A	1ms	1ms	1ms
7K+	52	8A	15A	18A	1ms	1ms	1ms
4.5K+	37	8A	15A	18A	1ms	1ms	1ms
2.5K+	24	8A	15A	18A	1ms	1ms	1ms

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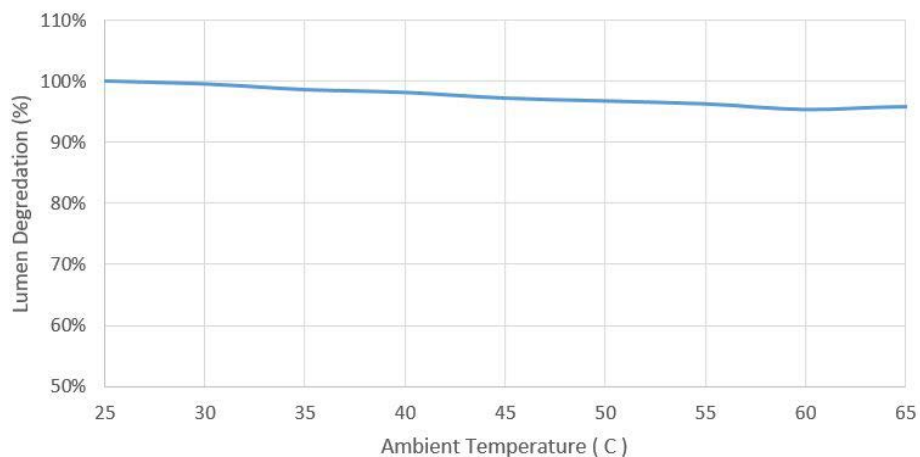
Lumen Maintenance Factor

Lumen Maintenance Factor									
Time (Hours)									
Ambient (°C)	0	15000	30000	45000	60000	75000	90000	100000	150000
25°	100	98	96	95	94	92	91	90	86
30°	100	97	96	95	93	92	91	90	86
35°	99	96	95	94	92	91	90	89	85
40°	98	96	95	93	92	91	89	89	84
45°	97	95	94	92	91	90	89	88	84
50°	97	94	93	92	91	89	88	87	83
55°	96	94	93	91	90	89	88	87	83
60°	95	93	92	91	89	88	87	86	82
65°	96	94	92	91	90	88	87	86	82

Measured LED temperature for an ambient temperature range of 25°C to 65°C and calculated lumen maintenance using TM-21 calculator and LED LM80 data.

Thermal Roll-Off

Thermal Roll-off 9000lm



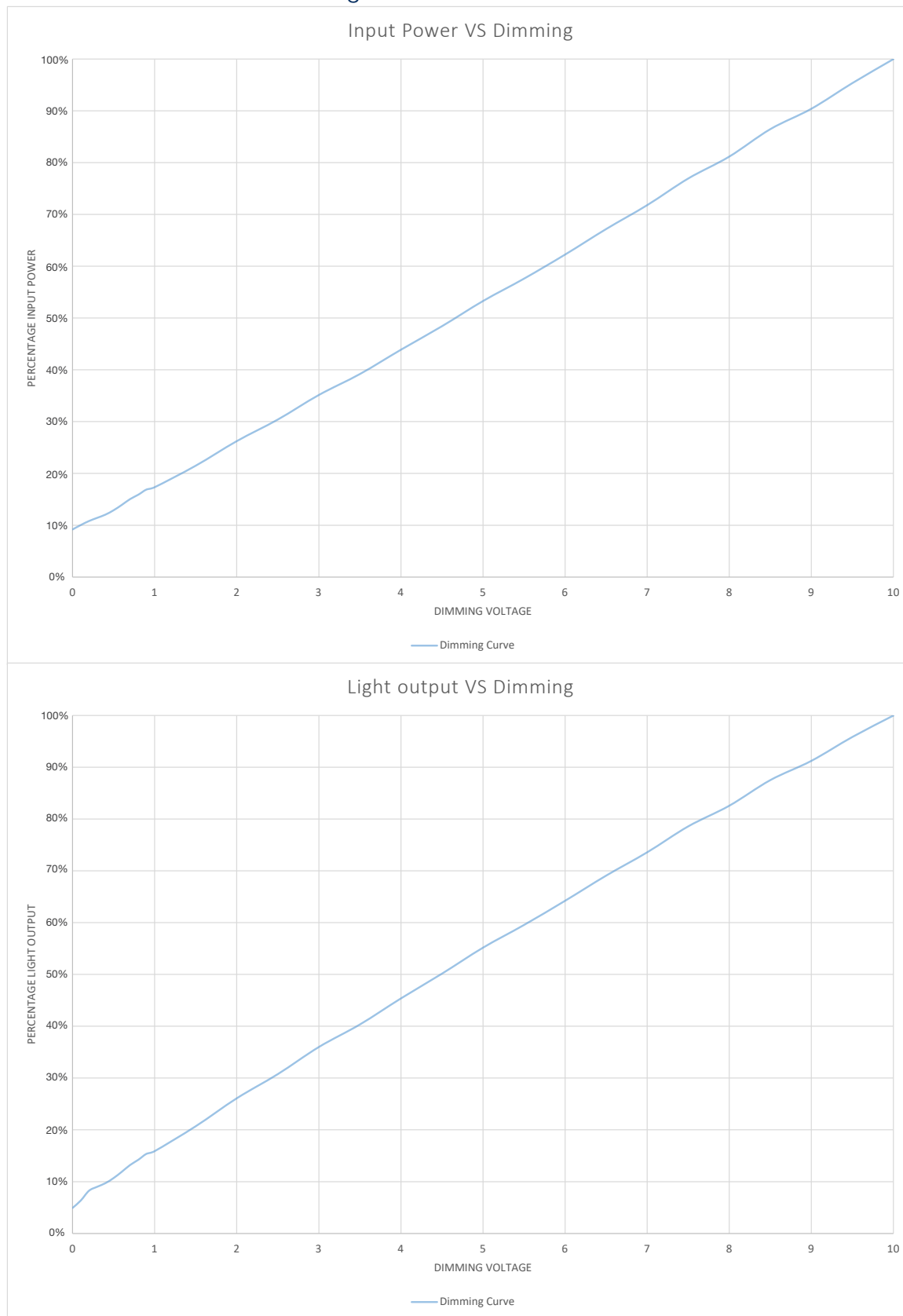
Ambient Temperature (°C)	Lumen Degradation
25°	100%
30°	100%
35°	99%
40°	98%
45°	97%
50°	97%
55°	96%
60°	95%
65°	96%

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Dimming

Dimming Characterization 0-10V



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Mounting Accessories



LTXSAFEKIT

- Safety cable kit for secondary retention

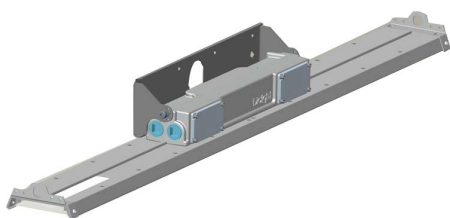


LPXW4

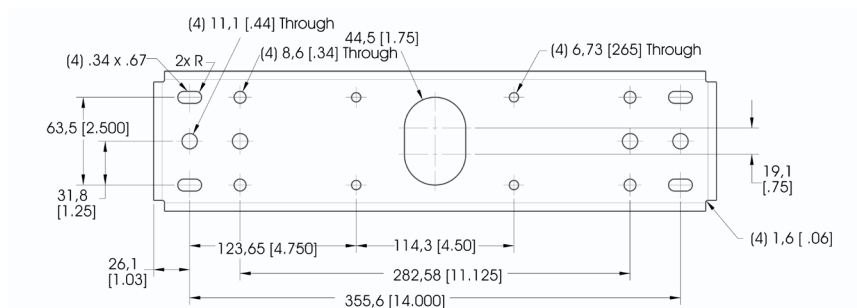
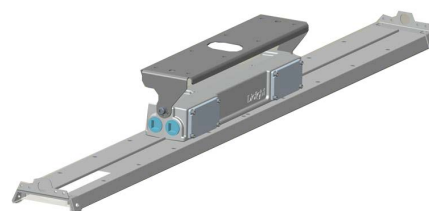
- 316 Stainless steel mounting bracket
- Can be angled at 0°, 30°, 45°, 60° & 90°

Mounting Bracket - LPXW4

Side Mount



Top Mount



Dimensions in mm [inches]

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