

Dense E 162

Recessed





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CCT SINGLE

5700k

5000k

4000k

3500k

3000k

SINGLE WATTAGE

20W

4FT

The Dense E 162 is the ultimate in minimalist simplicity, providing clean, uniform lines of illumination in any commercial environment. With advanced linear LED technology, the Dense E 162 series delivers 70LPW efficacy. Robust construction and adaptable, modular components make installation simple. Dense E 162 is the most economical recessed linear solution on the market.

Dense 162	Length	Wattage	Output Lumen	Nominal Efficacy	CCT Select	Input Voltage	Dimming	CRI
			Up 0% Down 100%					
WL-5LSD4FT20WAUV	4'	20W	1800lm	90lm/W	3000K 4000K 5000K	AC220-240 AC120-277V	Non-dimming	>80

Order Guide

Sample Model#: Dense E 162 WL-5LSD4FT20WAUV-30K-SA

Dense E 162	WL-5LSD4F	4FT	20W	A	UV	30K	BK
Luminaire ID	Series	Length	Wattage	Series	Voltage	Color Temp	Finish
Dense E 162 =1.62" width	WL-5LSD= GEN5 Linear Series Down Light Only	4FT	20W	A=Single CCT	UV=120-277V	30K=3000K	BK= Black
					EV=220-240V	35K=3500K	WH= White
						40K=4000K	SA= Silver
						50K=5000K	CUS= Custom
						57K=5700K	

Accessories

Lens	Mounting Options	Other Accessories
PCF = PC Flush lens	RMC=Clips Recessed mount	32AC = 32Cm AC CABLE

Dense E 162

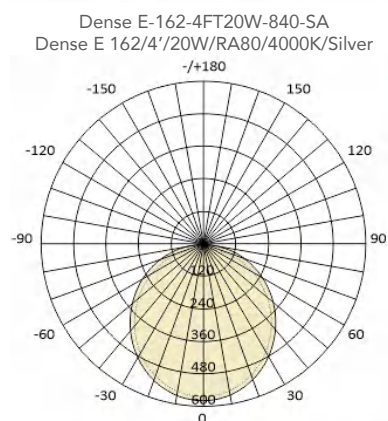
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WISDOM LIGHT

Performance

Lens	Lumen output
PC Flush lens	400LM/FT,5W/FT

Above are subject to 3000K, white housing . All efficacy is $\pm 5\%$ base on different CCT and lighting distributions.
For other CCT, housing color etc. please check the IES file to gain the accurate data



AVERAGE BEAM ANGLE (50%) : 112.2 DEG

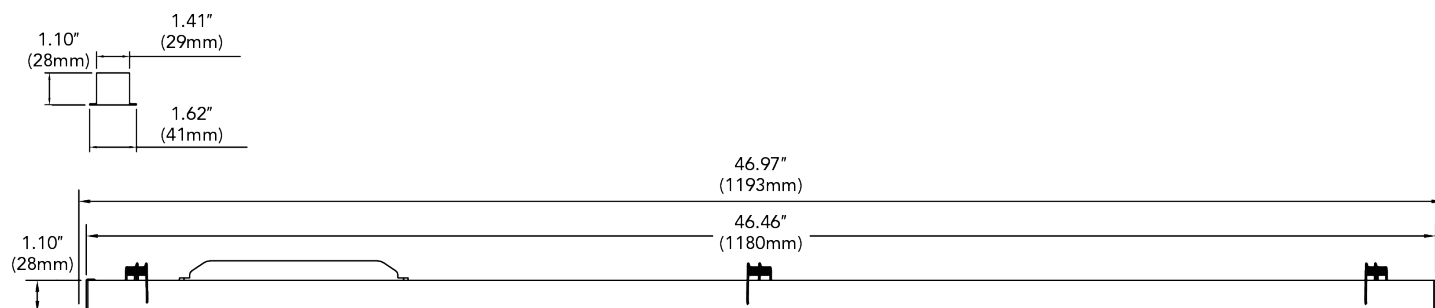
Lumen/ft: 414.1lm/ft
Total Lumens: 1656.7lm(for 4ft)
Input Watts: 19.4W
Efficacy: 85.4lm/W

Zonal Flux Diagram					
Y	C0	C45	C90	C135	C180
10	569.9	570.9	572.5	574.8	573.2
20	537.7	539.6	542.8	547.1	542.7
30	486.5	489.2	492.4	500.8	495.0
40	419.6	421.7	425.4	436.5	430.8
50	339.8	341.2	344.3	358.7	353.9
60	248.7	248.7	251.7	269.6	265.4
70	150.5	149.7	149.5	174.5	169.4
80	54.51	54.94	49.67	76.93	71.44
90	3.564	3.782	0.1974	7.269	5.914
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens		
Y	Φzone	Φtotal
0-10	55.10	55.10
10-20	157.9	213.0
20-30	239.3	452.2
30-40	288.2	740.5
40-50	298.7	1039
50-60	269.3	1309
60-70	203.7	1512
70-80	112.5	1625
80-90	27.15	1652

Luminance cd.lm 21		
G(DEG)	C0/180	C90/270
85	6435	4626
80	9534	8660
75	11817	11394
70	13363	13231
65	14391	14418
60	15108	15242
55	15659	15811
50	16055	16219
45	16364	16558

Dimension



Recommend Cut-out: L 1182mm * W 31mm

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Product Specifications

Construction

- Precision cut housing extruded from 6063 aluminum
- Precision cut 6063 aluminum end-caps ensure a robust and clean construction
- Electrostatically applied polyester powder coat paint

Light Engine

- Offered light engines delivering industry leading efficacy and longlife
- LED's are available in 2700K, 3000K, 3500K, 4000K or 5000K
- CRI options of either ≥ 80 CRI or ≥ 90 CRI (Lumen output will be affected - please refer to the lumen adjustment factor table)

LED Drivers

- LED system coupled with electrical driver
- Traditional electronic drivers are available for 120- 277V applications

Mounting

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Lengths

- 4FT, Additional fixture lengths are available please consult factory.

Lumen Maintenance

- 90% (L90) of initial light output at 61,000+ hrs
- 70% (L70) of initial light output at 237,000+ hrs
- Derived from TM-21 standard @25°C for worst case operating conditions

Weight

- 0.4 lb per foot

Environment

- Suited for damp location installations.
- Operating temperature range: -25° C to 50° C

Approvals



Warranty

- Three year warranty standard. Optional five year warranty available.