Lum ESCO
www.Lum-ESCO.com

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CANOPY & GARAGE LIGHT
LumDECK

The LumDECK LED Canopy Luminaire combines high-performance illumination with a compact, low-profile design for parking garages, canopies, soffits, loading areas and other covered commercial applications. Its rugged die-cast aluminum housing, impact-resistant polycarbonate lens and Type V distribution provide durable, uniform illumination in demanding environments.

Field Adjustable wattage and CCT allow the LumDECK to adapt to a wide range of applications from a single product platform. Available in two compact sizes delivering over 16,000 lumens, LumDECK provides application flexibility while helping simplify inventory and product selection.

An innovative quick-mount system helps simplify installation, while optional photocontrol and occupancy sensor configurations provide additional energy-saving and control capabilities. The LumDECK is an efficient, versatile solution for new construction, retrofit, ESCO and national account applications.





Quick mount system for easy installation



FAO controller user to select different CCTs and wattages

FEATURES

CONSTRUCTION
- Solid constructed die-cast aluminum housing
- Easy access to adjustable wattage and color temperature
- Quick mount system allows easy installation
- 0-10V Dimming Driver
- Standard 6 kV surge protection
- 80+ CRI

LISTING
- UL and cUL listed
- DLC Listed Premium
- Wet Location Rated

HOUSING
- Slim, compact design
- Die-cast aluminum housing

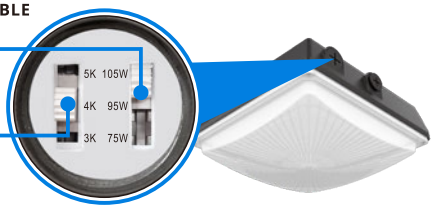
FINISH
- UV stabilized powder coated finish
- Standard bronze finish
- Additional colors available, consult with factory

LENS
- Impact-resistant polycarbonate lens
- Type V optics

OPTIONS
- Photo control
- Microwave occupancy sensor
- HV1 – High Voltage 277-480

3 WATTAGE ADJUSTABLE
75/95/105W

3 CCT ADJUSTABLE
3000/4000/5000K



SPECIFICATIONS

Lumen Package (LM):	Up to 16115 lumens
Wattage Range (W):	20 to 105 watts
Efficacy Range (LPW):	Up to 163 LPW
Product Weight:	6.2LBS / 10.2LBS
Carton LBS:	8.8LBS(4PCS) / 8.5LBS(2PCS)

Specialized expertise and focus on ESCOs, national accounts and distributor partnerships
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ORDERING GUIDE





Series	–	Wattage	–	CCT	–	Distribution	–
LDK1 LumDECK[1] **LDK2** LumDECK[2]		**060** 20/40/60 watts[1] **105** 75/95/105 watts[2]		**A** 3000/4000/5000K		**5** Type V	

Voltage	–	Mounting	–	Color	–	Controls-Options
U Universal 120-277V **HV1** High voltage 277-480V		**QM** Quick Mount		**BZ** Bronze (Std) **WH** White[3]		**PC** Photo Control **OC** Occupancy Sensor

Foot Notes:
1 LDK1 for 20 to 60 watts
2 LDK2 for 75 to 105 watts
3 Optional colors, consult factory for lead time

OPTIONS



MW Microwave Sensor



PC Photo Control

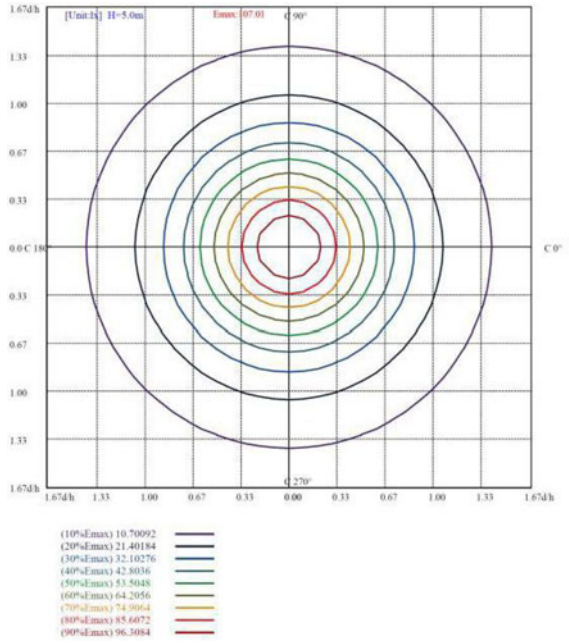
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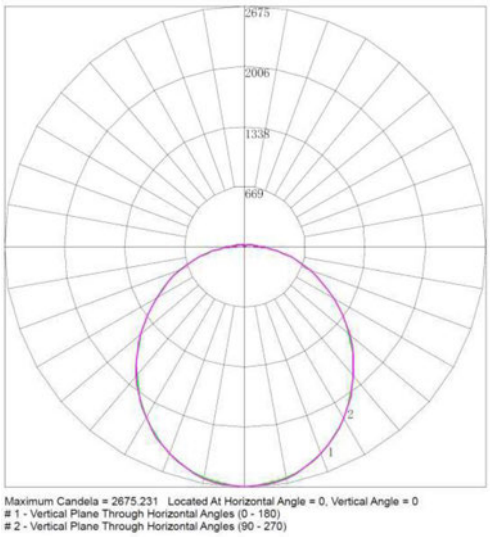
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DISTRIBUTION

LDK1 ISO illuminance diagram(Lux) of 3000K at 60W

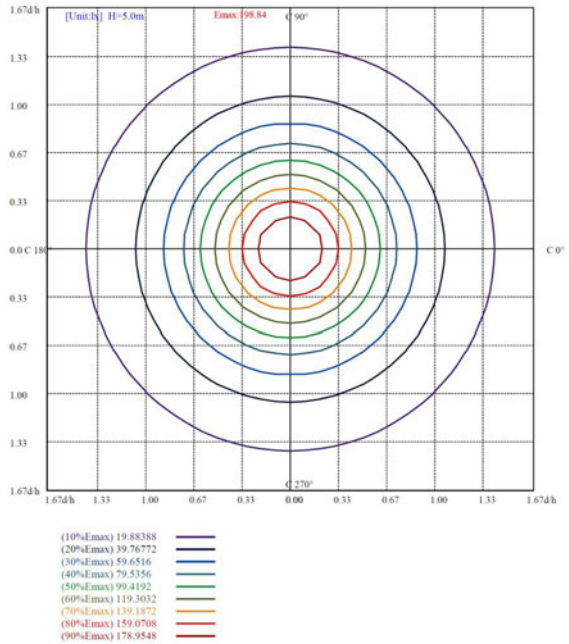


LDK1 Polar Curves of 3000K at 60W

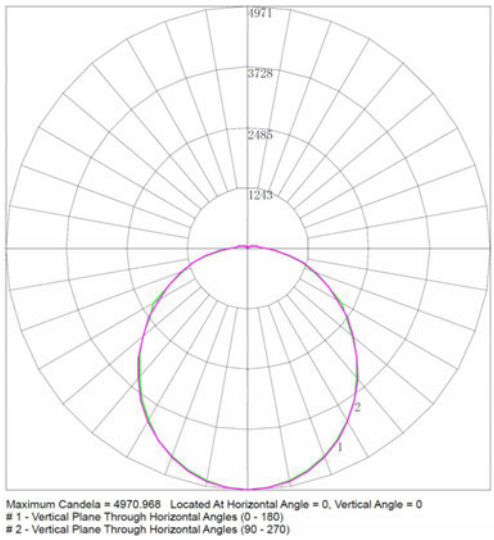


Maximum Candela = 2675.231 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Vertical Plane Through Horizontal Angles (90 - 270)

LDK2 ISO illuminance diagram(Lux) of 3000K at 105W



LDK2 Polar Curves of 3000K at 105W



Maximum Candela = 4970.968 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Vertical Plane Through Horizontal Angles (90 - 270)

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PERFORMANCE DATA

PERFORMANCE DATA			3000K					4000K					5000K				
Lumen Package	Distribution	CRI	Delivered Lumens	Efficacy (LPW)	BUG Rating			Delivered Lumens	Efficacy (LPW)	BUG Rating			Delivered Lumens	Efficacy (LPW)	BUG Rating		
					B	U	G			B	U	G			B	U	G
20 watts	Type V	80	2976	151	1	3	1	3062	161	1	3	1	2984	152	1	3	1
40 watts	Type V	80	5755	146	2	3	2	5921	156	2	3	2	5771	147	2	3	2
60 watts	Type V	80	8031	142	3	3	2	8263	151	3	3	2	8054	143	3	3	2
75 watts	Type V	80	10857	149	3	3	3	11531	163	3	3	3	11517	158	3	3	3
95 watts	Type V	80	13281	144	3	3	3	14105	158	3	3	3	14089	152	3	3	3
105 watts	Type V	80	15174	144	3	3	3	16115	159	3	3	3	16096	153	3	3	3

LUMEN MAINTENANCE TESTING DATA

LUMINAIRE AMBIENT TEMPERATURE FACTOR(LATF)		
Ambient Temp (℃)	(℉)	Lumen Multiplier
30℃	86℉	99%
40℃	104℉	98%
50℃	122℉	97%

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ELECTRICAL DATA

Nominal Wattage	Input Voltage	Current Amps	Nominal Wattage	Input Voltage	Current Amps
20 watts	120	0.17	75 watts	120	0.63
	208	0.1		208	0.36
	240	0.08		240	0.31
	277	0.07		277	0.27
	347	0.06		347	0.22
	480	0.04		480	0.16
40 watts	120	0.33	95 watts	120	0.79
	208	0.19		208	0.46
	240	0.17		240	0.4
	277	0.14		277	0.34
	347	0.12		347	0.27
	480	0.08		480	0.2
60 watts	120	0.5	105 watts	120	0.88
	208	0.29		208	0.5
	240	0.25		240	0.44
	277	0.22		277	0.38
	347	0.17		347	0.3
	480	0.13		480	0.22

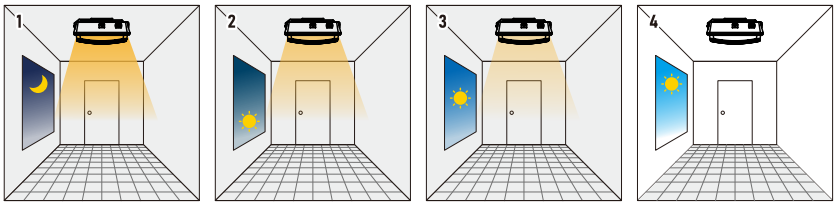
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SENSOR OPERATIONS

1.Daylight Harvesting



When ambient brightness is below preset level, sensor will automatically turn on the light. As the environment darkens, the lights will brighten.

2.Automatically ON/OFF function



Fig 1: Light remains off in sufficient daylight
Fig 2: Light is turned on by sensor when movement is detected in low light
Fig 3: Light turns off when no motion is detected

3.Without daylight disabled

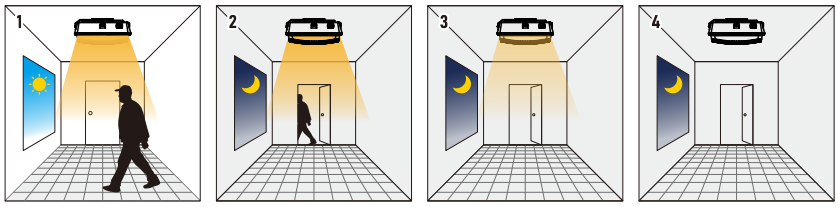


Fig 1: Light turns on with motion regardless of light level
Fig 2: Light remains on for a hold period without motion
Fig 3: Sensor dims light after hold time has passed without motion
Fig 4: Sensor turns light off after a standby period

4.With Daylight Threshold



Fig 1: Light remains off in sufficient daylight
Fig 2: Sensor turns light on when motion is detected in low light levels
Fig 3: After motion ends, sensor keeps light at 100% for a hold time
Fig 4: After hold time passes without motion, the light dims for a standby period
Fig 5: Sensor turns light off after standby period passes with no motion

PHOTOCONTROL OPERATION

	Dusk to Dawn	Integral photocell will switch lights on and off based on ambient light level On at Dusk, off at Dawn

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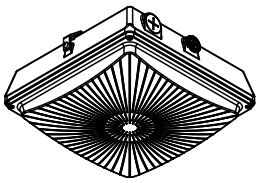
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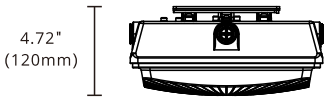
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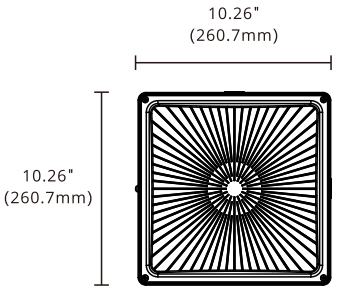
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DIMENSIONS

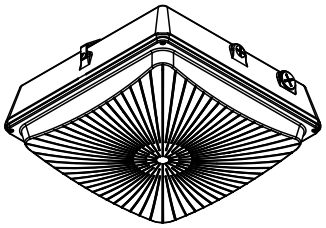
LumDECK 20w to 60w

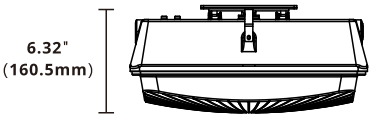


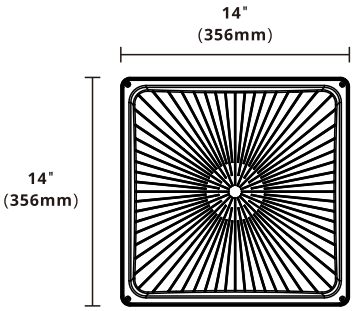




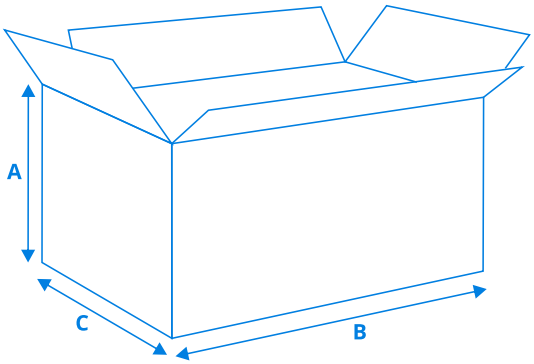
LumDECK 75w to 105w







CARTON DIMENSIONS



Weights	Inner Carton				Master Carton				
Fixture Size	Inner Carton Weight LBS	Height A	Width B	Depth C	Carton Pack	Master Carton Weight LBS	Height A	Width B	Depth C
LDK1	1. 5	5 3/4"	11 13/16"	11 13/16"	4pcs/ctn	33.7	13 1/2"	24 1/2"	12 3/8"
LDK2	2	7 3/4"	15 9/16"	15 9/16"	2pcs/ctn	28.9	17 3/8"	16 1/4"	16 1/4"

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