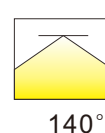
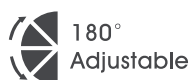


LED TUBULAR TRI-PROOF LIGHT SPECIFICATION

TRI-PROOF LIGHT





- CE, RoHs, SAA approved
- IP69K IK10 protection
- Patent cylinder design, PC/PE housing + AL board + Stainless steel caps and clips
- PC material – UV Resistance
- PE material – Corrosion Resistance
- Fit for both indoor and outdoor applications
- 110lm/w or 130lm/w available
- L80B50(Ta=25℃): 50,000hrs
- 5 years warranty

Product specification

SKU	LN60020W	LN120040W	LN150050W	LN150060W
Wattage	20W	40W	50W	60W
Lumen Output	2200-2400lm	4400-4800lm	5500-6000lm	6600-7200lm
Luminous Efficacy	110-130lm/W			
CCT	3000K/4000K/5000K/5700K/6500K			
CRI	Ra≥70 (Ra≥80 optional)			
Input Voltage	100-277 VAC			
Housing Color	Silver+ White			
Housing Material	Extrusion Aluminum+ PC			
Operating Temperature	-30°C to +50°C			
Operating Humidity	10% to 90% RH			
Lifespan	50,000 hours			
Warranty	5 years			

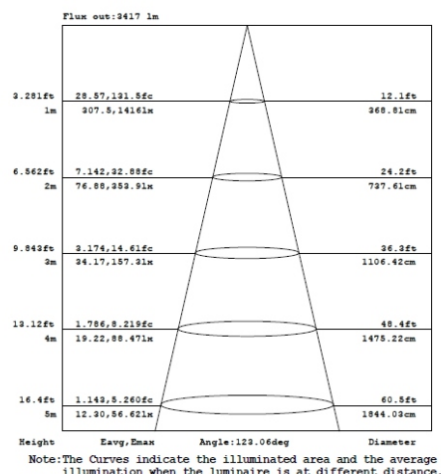
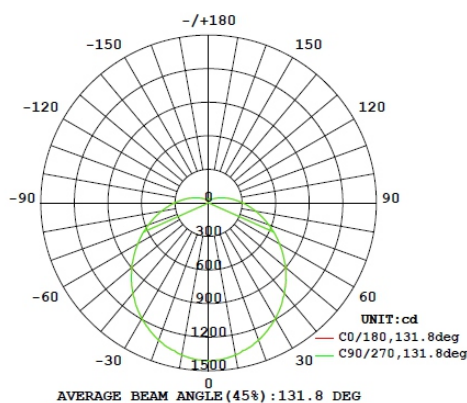
Technical character	
Insulation	CLASS I
Protection	IP69k
Tilt	0
Rotate	NA
Operating temperature	-30°C to +50°C
Average Failure Time	L70(10k) >60000 (h)

Materials	
Luminaire	aluminum extrusion+SSL
Reflector	PC diffuser
Heat sink	Extrusion aluminum
IK rate	IK10
Color available	white / Silver
Adaptor	N/A

Light Distribution Curve [Unit:cd]

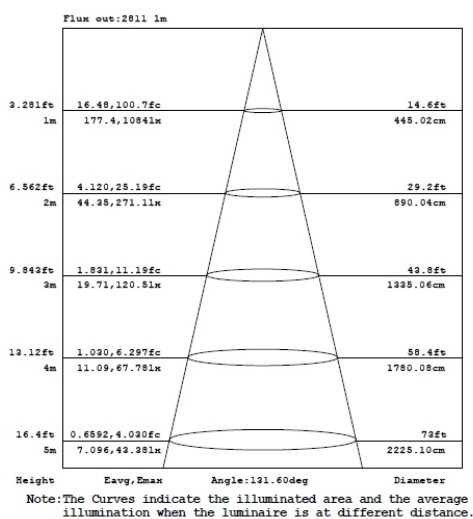
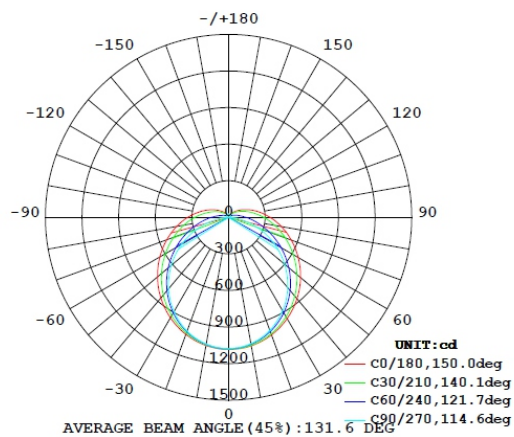
60W 4000K

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



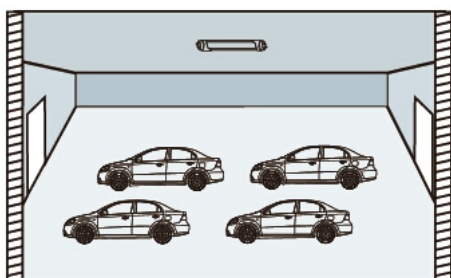
40W 4000K

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

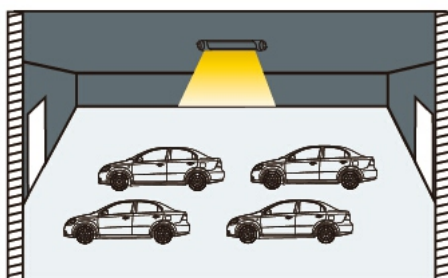


Microwave Motion sensor

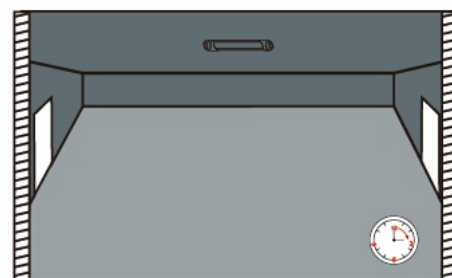
ON/OFF Sensor



① With sufficient ambient light, the light will not be switched on even if with motion signal.



② With insufficient ambient light, the sensor switches on the light when motion is detected.



③ After elapse of hold time, the sensor switches off the light when no motion is detected.

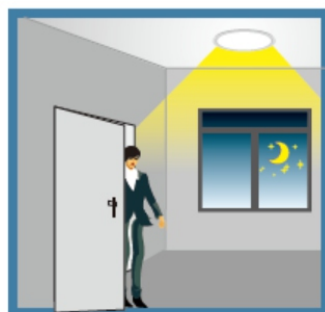
Dimming function Version

3-step dimming function

When used in combination with 1-10V dimmable LED drivers and ballasts, the sensors can achieve 3-step dimming function, 100%---> low light--->off. And the sensors build in adjustable daylight sensors, very easy to install and cost-effective.



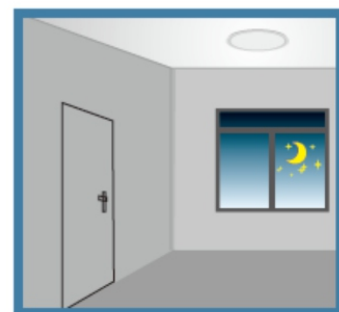
With sufficient ambient light, the sensor does not switch on the lamp.



With insufficient ambient light, the sensor switches on the lamp when motion is detected.



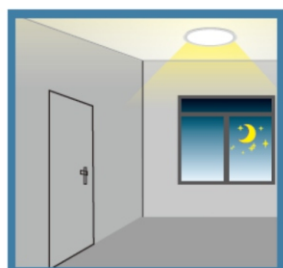
After hold time, the sensor dims the lamp at a low light level if no new motion trigger.



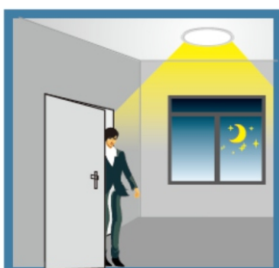
After stand-by period, the sensor switches off the lamp if no motion is detected in its detection zone.

2-step dimming function

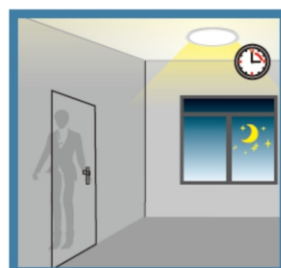
Also, the sensors can provide 2-step dimming function, 100 %---> low light (Never turn off). They are particularly suitable for use in corridors, stairwells and underground passages where low light levels are maintained until motion is detected.



No motion detected, the lamp remains at a low light level all the time.



When motion is detected, the sensor brightens the lamp to 100% illumination.



After the hold time, the sensor dims the lamp at the preset low light level if no motion is detected.

Remote Control available

Remote Control Setting	Button	Remarks																												
<div>5m 10m 15m</div> <div>25% 50% 75% 100%</div> <div>10% 20% 30% 50%</div> <div>5s 30s 1m 3m</div> <div>5m 10m 20m 30m</div> <div>0s 10s 1m 3m</div> <div>5m 10m 30m +∞</div> <div>5L 15L 30L 50L</div> <div>100L 150L Disable Override DH</div> <div>Reset Sensor motion DIM Test</div> <div>DIM+ DH Mode DIM-</div> <div>Q1 Q2 Q3</div> <div>HS LS</div> <div>TEST 2S</div> <div>Daylight Sensor</div> <div>Stand-by period</div> <div>Hold time</div> <div>Stand-by dim level</div> <div>Detection Area</div> <div>Remote Distance</div>		Press the "ON/OFF" button, the light goes to constant on/off mode, sensor is disabled, Press "Reset" "Auto mode" button to quit from this mode and the sensor starts to work.																												
	Reset	Press "Reset" button, all parameters are same as setting of DIP switch or factory settings.																												
	Sensor motion	Press "Sensor motion" button, the light quits from the constant on/ off mode, and the sensor starts to work (The latest setting stays in validity)																												
	DIM Test	Press "DIM Test" button, the 1-10 V dimming works to test whether the 1-10Vdc dimming ports are connected properly. After 2s, it returns to the latest setting automatically.																												
	Override DH	Long press 3s, Daylight priority mode will be switched to daylight threshold mode, lux value will go back to previous one.																												
	DIM+ DIM-	Short press "DIM+/DIM-" button to Set the output lumen level, each press will will ±2% light level																												
	DH Mode	Long press >3s, sensor will be switched to daylight priority mode; if preset daylight value is Disable, press DH Mode can not start daylight priority mode.																												
	Q1 Q2 Q3	<table><tr><th>Scene Options</th><th>Detection Area</th><th>Hold Time</th><th>Stand-by period</th><th>Stand-by dim level</th><th>Daylight Sensor</th><th>Induction model</th></tr><tr><td>QS1</td><td>100%</td><td>5min</td><td>10min</td><td>10%</td><td>30Lux</td><td>Hs</td></tr><tr><td>QS2</td><td>100%</td><td>10min</td><td>30min</td><td>10%</td><td>Disable</td><td>Hs</td></tr><tr><td>QS3</td><td>100%</td><td>20min</td><td>30min</td><td>10%</td><td>Disable</td><td>Hs</td></tr></table>	Scene Options	Detection Area	Hold Time	Stand-by period	Stand-by dim level	Daylight Sensor	Induction model	QS1	100%	5min	10min	10%	30Lux	Hs	QS2	100%	10min	30min	10%	Disable	Hs	QS3	100%	20min	30min	10%	Disable	Hs
	Scene Options	Detection Area	Hold Time	Stand-by period	Stand-by dim level	Daylight Sensor	Induction model																							
	QS1	100%	5min	10min	10%	30Lux	Hs																							
	QS2	100%	10min	30min	10%	Disable	Hs																							
	QS3	100%	20min	30min	10%	Disable	Hs																							
	TEST 2S	Press the "TEST 2S" button can enter the test mode any time. At the mode, the sensor parameters as below: Detection Area is 100%, Hold Time is 5s, Stand-by Dim Level is 10%, Stand-by Period is 0s, daylight sensor disable. This function only for testing. Quit the mode by pressing "RESET" or any other function buttons.																												
	HS LS	Press "HS" button to set the detection area to be high sensitive. Press "LS" button to set the detection area to be low sensitive. The adjustment bases on the "Detection Area" parameter you set.																												
		Daylight Sensor Set up daylight threshold: 5Lux/15Lux/30Lux/50Lux/100Lux/150Lux/ Disable.																												
		Stand-by period Set up stand-by time: 0S/10S/1min/3min/5min/10min/30min/+∞																												
	Hold time Set up hold time: 5S/30S/1min/3min/5min/10min/20min/30min																													
	Stand-by dim level Set up stand-by dim level: 10%/20%/30%/50%																													
	Detection Area Set up detection area: 25%/50%/75%/100%																													
	Remote Distance Toggle button can set the remote distance of remote control and sensor.																													

10. Initialization

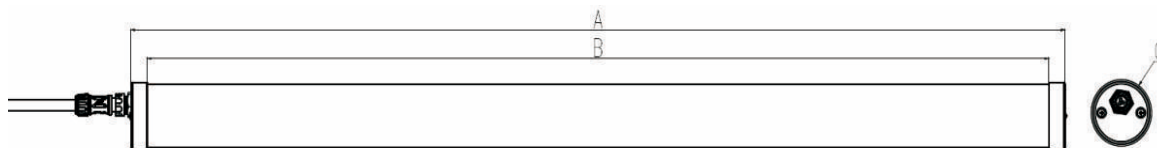
1/ On/Off function /3-step dimming function:

After power on, the sensor automatically turns on light at 100% brightness. After 10sec, it turns off the light. During the initialization, the sensor is not able to detect movement.

2/ 2-step dimming function:

After power on, the sensor automatically turns on light at 100% brightness. After 10sec, it dims the light to a low light level (set by stand-by dim level). During the initialization, the sensor is not able to detect movement.

Dimension (unit: mm)

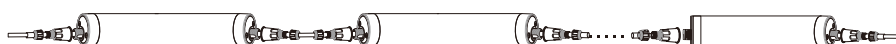


length	A	B		C
	Min.mm	Min.mm	Max.mm	Min.mm
600	600	544	547	80
1200	1200	1144	1147	80
1500	1500	1444	1447	80

Flexibility in connections



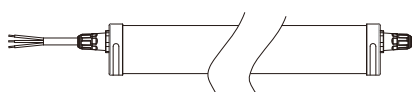
■ Single connection



Cable self-mounted wiring. Compatible with both single and series connection.

Available Dimming way

Non Dimmable Tri-proof LED Lamp



(EU market-3 pole cable) (US market-3 pole cable)

L:	Brown	Black
N:	Blue	White
E:	Yellow-Green	Green

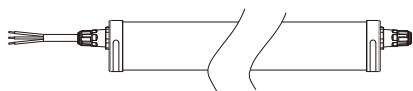
0/1-10V Dimmable Tri-proof LED Lamp



(EU market-5 pole cable) (US market-5 pole cable)

L:	Brown	Black
N:	Blue	White
E:	Yellow-green	Green
DIM+:	Black	Red
DIM-:	Gray	Orange

DALI Dimmable Tri-proof LED Lamp



(EU market-5 pole cable) (US market-5 pole cable)

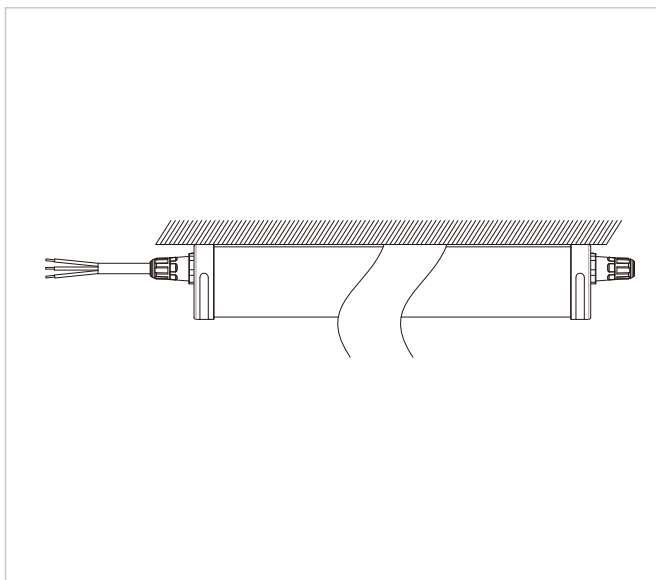
L:	Brown	Black
N:	Blue	White
E:	Yellow-green	Green
DA:	Black	Red
DA:	Gray	Orange

Installation instruction



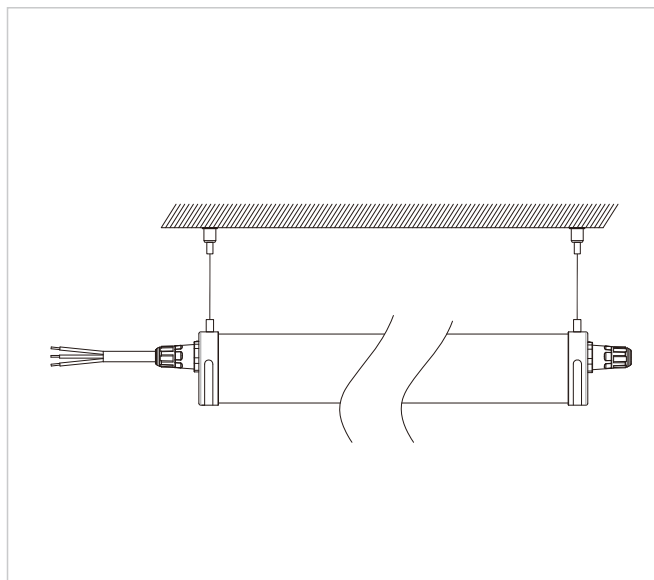
CAUTION: It is important to ensure that you have powered off.

Ceiling Mounted Installation

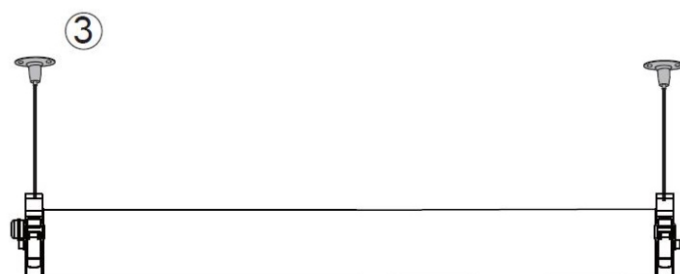
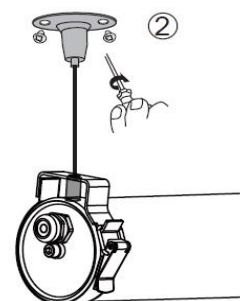
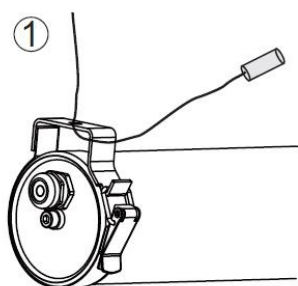
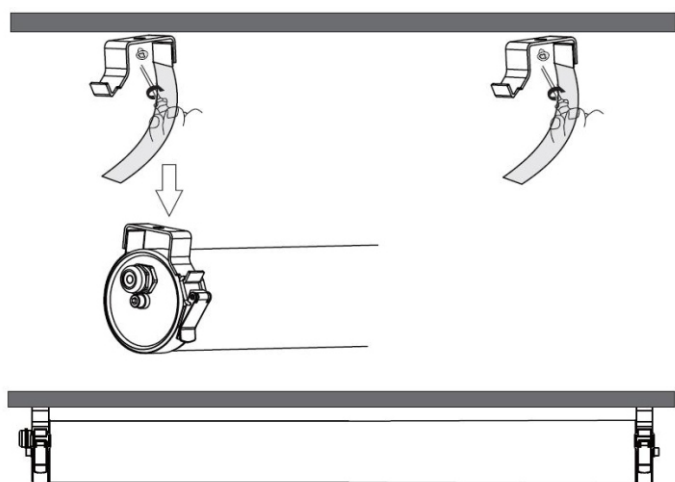


* Standard parts

Suspended Installation

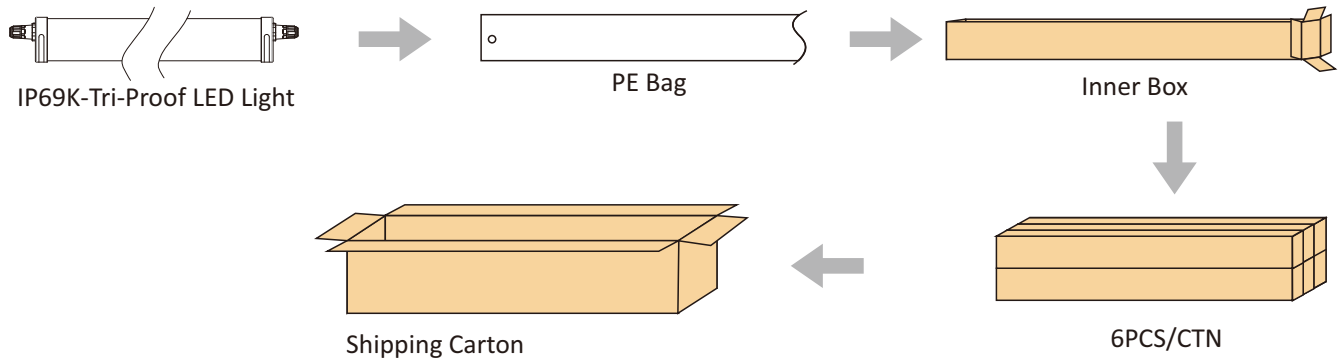


* Suspended accessories need to be paid additionally



Package

Item code	Dimension	Carton Size	N.W./PC	G.W./CTN	Maximum Loading of		
					20'GP	40'GP	40'HQ
LN60020W	690*80*78mm	700*165*250mm	1.2kg	9kg	1050CTNs	2249CTNs	2475CTNs
LN120040W	1290*80*78mm	1300*165*250mm	2.2kg	16kg	556CTNs	1164CTNs	1344CTNs
LN150060W	1590*80*78mm	1600*165*250mm	2.7kg	20kg	452CTNs	942CTNs	452CTNs



Application

- Parking place
- Tunnel / Corridor / Gallery
- Railway / Bus / MTR Station
- Warehouse / Factory
- Food/Meat processing industry
- Chicken sheds
- Livestock farm
- Gas station / Car Washes

