



APPLICATIONS



Office



School



Hospital



Retail



Supermarket



Congres

ARTICLE CODE COMPOSITION

LU - LL A - T 15 07 70 - SF 40 80 - AW - PV SB - EM05 DS05 EC

Company name	Production name	Product generation	Component name	Dimension	Wires	Power	Driver	CCT	CRI	Optic	Material	Connection Parts of Trunking Rail	Emergency light	Sensor	Accessory
LU Led-Up	LL Linear lighting	A A Generation	T Trunking Rail	06 600mm	05 5 Wires	30 30W	SF No flicking	30 3000K	80 > 80	AN 30°90°	PV PVC	SB Stbox	EM05 5W	DS05 Detection height 2-5M	EC
		B B Generation	L Luminary	09 900mm	07 7 Wires	50 50W	DA DALI dimming	35 3500K	90 > 90	AM 60°110°	AL Alumin um	MB Midbox	EM09 9W	DS12 Detection height 5-12M	
			B Blanc cover	15 1500mm	11 11 Wires	70 70W	10 0-10V dimming	40 4000K		AW 90°110°		EB Endbox	EM15 15W	DS05A Support parallel connection operation of multiple sensors (patented design)	
			P Connection Parts of Trunking Rail	30 3000mm				50 5000K		AD Double 25°		LL L Type Connector-L	EM24 24W		
			F Function part	45 4500mm				60 6000K		AP Asymmet ric Single 18°		LR L Type Connector-R			
			K Installation accessory									TL T Type Connector-L			
												TM T Type Connector-M			
												TR T Type Connector-R			
												X X Type Connector			

TRUNKING RAIL

Model	Length	Wires	Material
LU-LLA-T0607	0.58M	7	Aluminum
LU-LLA-T0907	0.87M	7	Aluminum
LU-LLA-T1507	1.44M	7	Aluminum
LU-LLA-T3007	2.88M	7	Aluminum
LU-LLA-T4507	4.32M	7	Aluminum
LU-LLA-T0607-END	0.58M	7	Aluminum
LU-LLA-T0907-END	0.87M	7	Aluminum
LU-LLA-T1507-END	1.44M	7	Aluminum
LU-LLA-T3007-END	2.88M	7	Aluminum
LU-LLA-T4507-END	4.32M	7	Aluminum



LUMINAIRE

Model	Length	Power	Lumen	Efficacy	Driver	CRI	Beam Angle	UGR	CCT	Life Times
LU-LLA-L060730-SF4080-xx	0.58M	30W	4800 lm							
LU-LLA-L090730-SF4080-xx	0.87M	30W	4800 lm							
LU-LLA-L090745-SF4080-xx	0.87M	45W	7200 lm							
LU-LLA-L150730-SF4080-xx	1.44M	30W	4800 lm							
LU-LLA-L150745-SF4080-xx	1.44M	45W	7200 lm	140 lm/w 150 lm/w 160 lm/w	CC Mode	> 80	xx AN:30°90° AM:60°110° AW:90°110° AD:Double 25° AP:Asymmetric Single 18°	20-25	3000K 4000K 5000K 6000K	50000Hrs L70B20
LU-LLA-L150750-SF4080-xx	1.44M	50W	8000 lm							
LU-LLA-L150770-SF4080-xx	1.44M	70W	11200 lm							
LU-LLA-L3007100-SF4080-xx	288M	100W	16000 lm							
LU-LLA-L3007140-SF4080-xx	288M	140W	22400 lm							
LU-LLA-L060730-DA4080-xx	0.58M	30W	4800 lm							
LU-LLA-L090730-DA4080-xx	0.87M	30W	4800 lm							
LU-LLA-L090745-DA4080-xx	0.87M	45W	7200 lm							
LU-LLA-L150730-DA4080-xx	1.44M	30W	4800 lm							
LU-LLA-L150745-DA4080-xx	1.44M	45W	7200 lm	140 lm/w 150 lm/w 160 lm/w	DALI-2	> 80	xx AN:30°90° AM:60°110° AW:90°110° AD:Double 25° AP:Asymmetric Single 18°	20-25	3000K 4000K 5000K 6000K	50000Hrs L70B20
LU-LLA-L150750-DA4080-xx	1.44M	50W	8000 lm							
LU-LLA-L150770-DA4080-xx	1.44M	70W	11200 lm							
LU-LLA-L3007100-DA4080-xx	288M	100W	16000 lm							
LU-LLA-L3007140-DA4080-xx	288M	140W	22400 lm							

LUMINAIRE + EMERGENCY MODEL

Model	Length	Emergency Power	Emergency Light Duration	Charging Time
LU-LLA-L0607xx-xx xx xx-xx-EM05	0.58M	4 - 5 W	> 100min	24hrs
LU-LLA-L0907xx-xx xx xx-xx-EM05	0.87M	4 - 5 W	> 100min	24hrs
LU-LLA-L0907xx-xx xx xx-xx-EM09	0.87M	7 - 9 W	> 100min	24hrs
LU-LLA-L1507xx-xx xx xx-xx-EM05	1.44M	4 - 5 W	> 100min	24hrs
LU-LLA-L1507xx-xx xx xx-xx-EM09	1.44M	7 - 9 W	> 100min	24hrs
LU-LLA-L1507xx-xx xx xx-xx-EM15	1.44M	12 - 15 W	> 100min	24hrs
LU-LLA-L1507xx-xx xx xx-xx-EM24	1.44M	20 - 24 W	> 100min	24hrs

WIRING INFORMATION

L1: Phase L1

L2: Phase L2

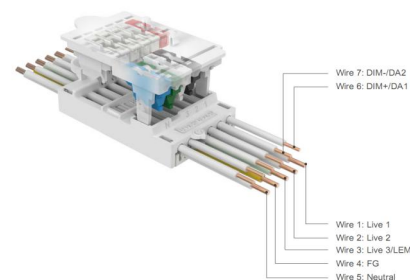
L3 / LEM: Phase L3 / Permanent live of battery emergency

G: Ground Line

N: Neutral Line

DA1: DALI dimming+

DA2: DALI dimming-



5 Pin Connector Plug in Luminaire



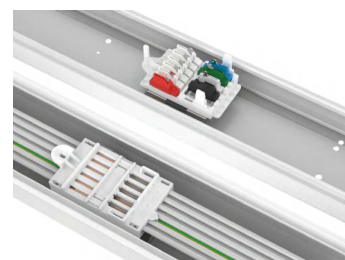
* Blue: N

* Green: FG

* Black: L1, L2, L3 phase selection knob

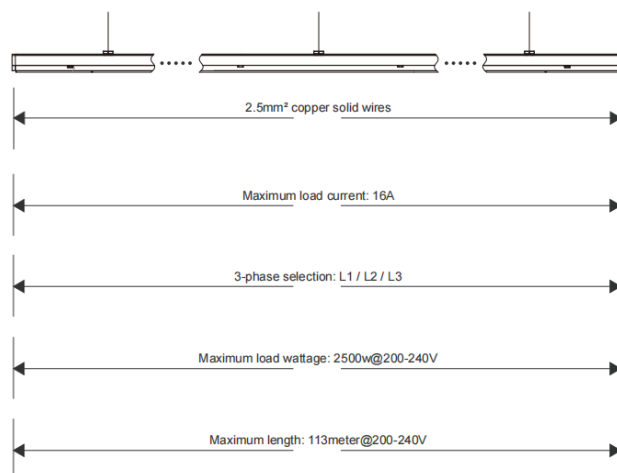
* Red: DA1/DIM+

* White: DA2/DIM-



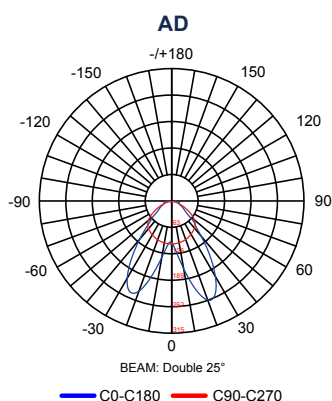
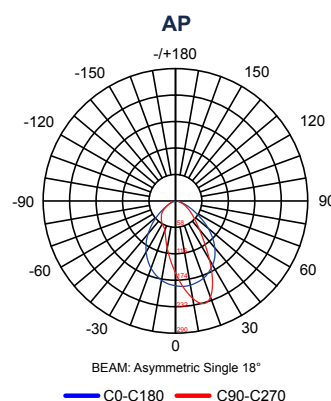
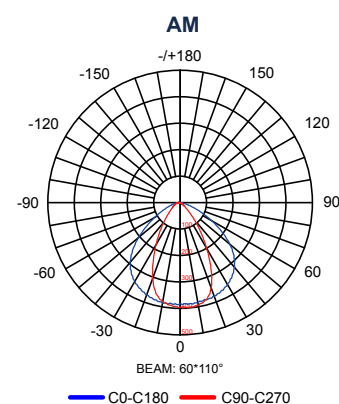
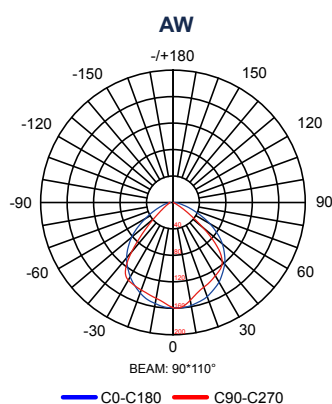
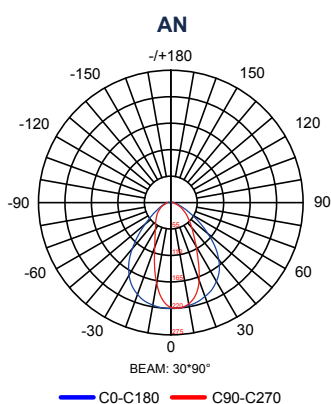
MAX. QUANTITY

Length of Module	Power of Module	Maximun Quantity	Maximun Length per circuit
2F : 0.57 M	30W	75 pcs	45 meter
3F : 0.86 M	45W	50 pcs	45 meter
5F : 1.43 M	30W	70 pcs	114 meter
5F : 1.43 M	36W	65 pcs	98 meter
5F : 1.43 M	45W	50 pcs	75 meter
5F : 1.43 M	50W	46 pcs	69 meter
5F : 1.43 M	60W	38 pcs	57 meter
5F : 1.43 M	70W	30 pcs	46 meter



System modularization
Systematicness of Linear
Modular design of the Linear system
The realization of intelligent equipment

OPTICS



* Lenses are made of highly transparent PC material with 5 different lighting configurations.

* Different luminescence angles meet different height requirements of different application scenarios.

STANDARD DRIVER

Model	LU*500-800SF L	LU*900-1200SF L	LU*1300-1800SF L
Output Voltage (V)	33-40 DC		
Output Current (mA)	500-800	900-1200	1300-1800
Flicking	No		
Input Voltage (V)	220		
Dimension (mm)	245*30*26	285*30*26	285*30*26
Certification	CE ENEC CB RCM		
Certification Standard	IEC61000-4-5 EN 55015 EN61000-4-2,3,4,5,6,8,11; EN61547		

Output Current Setting			Output Current Setting			Output Current Setting		
	1	2		1	2		1	2
800mA	ON	ON	1200mA	ON	ON	1800mA	ON	ON
700mA	-	ON	1100mA	-	ON	1600mA	-	ON
600mA	ON	-	1000mA	ON	-	1500mA	ON	-
500mA	-	-	900mA	-	-	1300mA	-	-

DALI-2 DRIVER

Model	LU*500-800D L	LU*900-1200D L	LU*1300-1800D L
Output Voltage (V)	33-40 DC		
Output Current (mA)	500-800	900-1200	1300-1800
Flicking	No		
Input Voltage (V)	220		
Dimension (mm)	245*30*26	285*30*26	355*36*23
Certification	CE ENEC CB RCM DALI-2		
Certification Standard	IEC61000-4-5 EN 55015 EN61000-4-2,3,4,5,6,8,11; EN61547 IEC 62386-101 102 207		

Output Current Setting			Output Current Setting			Output Current Setting		
	1	2		1	2		1	2
800mA	ON	ON	1200mA	ON	ON	1800mA	ON	ON
700mA	-	ON	1100mA	-	ON	1600mA	-	ON
600mA	ON	-	1000mA	ON	-	1500mA	ON	-
500mA	-	-	900mA	-	-	1300mA	-	-

EMERGENCY MODULE

Model	EM05	EM09	EM15	EM24
Emergency Power (W)	4 - 5	7 - 9	12 - 15	20 - 24
Emergency Light Duration (min)		> 100		
Charging Time (hrs)		> 24		
Output Voltage (V)		20 - 80 DC		
Input Voltage (V)		220		
Battery Dimension (mm)	90*38*25	90*38*25	245*38*25	245*38*36
Outside Dimension (mm)		178*45*35		
Certification		TUV-CE		
Certification Standard		EN 61347-2-7:2012	EN 61347-1:2015	
Battery Warranty		2 years		



* Automatical self test, monthly test and annual test function

DALI SENSOR

Model	Length	Mounting Height	Detection Range	Hold Time	Dim off Time	Dim Level	Lux Level
LU-LLA-F0607-DS05	0.58M	3-5M					100Lux
LU-LLA-F1507-DS05	1.44M	3-5M					150Lux
LU-LLA-F0607-DS05A	0.58M	3-5M		Test 3s	10s		200Lux
LU-LLA-F1507-DS05A	1.44M	3-5M	100%	30s	5min	0%	300Lux
			75%	90s	10min	10%	
LU-LLA-F0607-DS12	0.58M	4-12M	50%	5min	30min	30%	400Lux
LU-LLA-F1507-DS12	1.44M	4-12M	25%	10min	1h	50%	500Lux
				30min	∞		
LU-LLA-F0607-DS12A	0.58M	4-12M					1000Lux
LU-LLA-F1507-DS12A	1.44M	4-12M					Disable

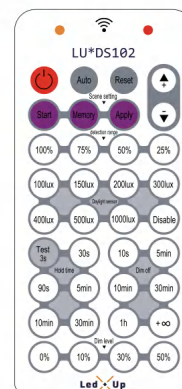
DS05 & DS05A



DS12 & DS12A



DS102



* 5.8GHz C-band microwave motion sensor. Tri-level Dimming Control

DALI sensor applies DALI broadcast signal.

DALI sensors support multiple sensors (<10 PCS) to control multiple DALI lighting fixtures (<10-30 PCS)

DALI sensors can be used after being installed and energized.

The parameters of the DALI sensor can be set using an infrared remote control.

FEEDBOX OF TRUNKING RAIL

Model	Dimension	Input Wires	Item Description
Stfeed			
LU-LLA-P07-SF	L412.5*W65*H63mm	5 / 7	Which can be installed from the side of end cap or top. It can be used in the front parts of Wiring from the Linear System.
Midfeed			
LU-LLA-P07-MF	L567*W65*H60mm	5 / 7	Which can be installed from top. It can be used in the middle parts of Wiring from the Linear System.
Endfeed			
LU-LLA-P07-EF	L228*W65*H60mm	5 / 7	Which can be installed from the side of end cap or top. It can be used in the end parts of Wiring from the Linear System.
Stbox			
LU-LLA-P07-SB	L228*W65*H60mm	5 / 7	It cannot input wires, which is used for the front parts protection of Linear system.



CONNECTION PARTS OF TRUNKING RAIL

Model	Dimension	Input Wires	Item Description
L Type Connector			
LU-LLA-P07-LL			For trunking rail connection by corner.
LU-LLA-P07-LR			
T Type Connector			
LU-LLA-P07-TL			For trunking rail connection by two corner.
LU-LLA-P07-TM			
LU-LLA-P07-TR			
X Type Connector			
LU-LLA-P07-X			For trunking rail connection in the central corner.
Endcap			
LU-LLA-K-EC			Input wires through holes to connect power.
Terminal Block			
LU-LLA-K-TB-5M			For connection with input wires from the back of trunking rail.
LU-LLA-K-TB-5FM			
LU-LLA-K-TB-7M			
LU-LLA-K-TB-7FM			



INSTALLATION SOLUTION

Wiring from the End

Method 1: Stbox + Endfeed

LU-LLA-P07-SB + LU-LLA-P07-EF

Note :

Easy installation, but the Stbox & Endfeed is nonluminous.



Method 2: Endcap & Terminal Block + Endcap

LU-LLA-K-EC + LU-LLA-K-TB-xM + LU-LLA-K-EC

Note :

More complex installation, whole line is luminous.



Wiring from the Middle

Method: Stbox or Endcap + Midfeed + Endcap

LU-LLA-P07-SB + LU-LLA-P07-MF + LU-LLA-K-EC

OR

LU-LLA-K-EC + LU-LLA-P07-MF + LU-LLA-K-EC

Note :

Any part can be wired except the front and end.



Wiring from the Front

Method: Stfeed + Endcap

LU-LLA-P07-SF + LU-LLA-K-EC

Note :

Stfeed combines the function of Endfeed and Stbox, but it is nonlum

inous.



INSTALLATION KITS

Model	Material	Length	Diameter	Thickness	Dimension	Item Description
LU-LLA-K-SMK	Stainless Steel			0.5mm	L53*W36*H15mm	Surface Mounted Kits A Mounting Clip
LU-LLA-K-SKA	Stainless Steel	1.5M	1.5mm			Suspension Kits A Chain
LU-LLA-K-SKB	Stainless Steel	3M	1.5mm			Suspension Kits B Cord
LU-LLA-K-SKC	Stainless Steel	2M	6mm			Suspension Kits C Rod



LU-LLA-K-SMK



LU-LLA-K-SKA



LU-LLA-K-SKB



LU-LLA-K-SKC

BLANK COVER

Model	Description	Length	Material
LU-LLA-B06-PV	B Blank Cover 06	0.57M	PV PVC
LU-LLA-B09-PV	B Blank Cover 09	0.86M	PV PVC
LU-LLA-B15-PV	B Blank Cover 15	1.43M	PV PVC
LU-LLA-B06-AL	B Blank Cover 06	0.57M	AL Aluminum
LU-LLA-B09-AL	B Blank Cover 09	0.86M	AL Aluminum
LU-LLA-B15-AL	B Blank Cover 15	1.43M	AL Aluminum



*Lengths and dimensions can be customized or cut on site

