



L3D

TECHNICAL INFORMATION 2017

LINEAR LIGHTING SPECIALISTS

CONTENT

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<ul style="list-style-type: none"> ▪ General description ▪ Delivery ▪ Installation ▪ Dimensions ▪ General features 	<ul style="list-style-type: none"> ▪ Electrical connection diagram ▪ Certifications ▪ System selection panel 	
COB 450 Systems		PAGE 11 TO 14
<ul style="list-style-type: none"> ▪ The COB diodes produces high luminosity. ▪ The system is available in warm white, neutral white, cool white and for specific applications. The ceramic PCB ensures an optimal thermal performance and very long life span, producing an homogeneous light where is not possible appreciate the individual light points. 	<ul style="list-style-type: none"> ▪ Transparent diffuser.....11 ▪ Opal light.....12 ▪ Opal dark.....13 ▪ Prism.....14 	
SMD 150 HB Systems		PAGE 15 TO 23
<ul style="list-style-type: none"> ▪ The SMD diodes are the economical alternative to COB systems. ▪ Thank to the high efficiency and performance, are ideal for plants with high light level of light. 	<ul style="list-style-type: none"> ▪ Transparent diffuser.....15 ▪ Opal light.....16 ▪ Opal dark.....17 ▪ Prism.....18 	<ul style="list-style-type: none"> ▪ Wide photometry.....19 ▪ Narrow photometry.....20 ▪ Drop.....21 ▪ Batwing.....22 ▪ Asymmetric.....23
SMD 300 Systems		PAG. 24 A 32
<ul style="list-style-type: none"> ▪ With 300 diodes on 3 meter elements, allows a homogeneous light distribution. ▪ With the large number of diodes, its use is ideal where glare control is required. The wide range of diffusers and optics, light can be adapted to each environment. 	<ul style="list-style-type: none"> ▪ Transparent diffuser.....24 ▪ Opal light.....25 ▪ Opal dark.....26 ▪ Prism.....27 	<ul style="list-style-type: none"> ▪ Wide photometry.....28 ▪ Narrow photometry.....29 ▪ Drop.....30 ▪ Batwing.....31 ▪ Asymmetric.....32
SMD 150 Systems		PAGE 33 TO 41
<ul style="list-style-type: none"> ▪ With high light efficiency and specific optics, can illuminate at a very competitive costs. ▪ They are ideal for installations with performance and lighting requirements optimized. 	<ul style="list-style-type: none"> ▪ Transparent diffuser.....33 ▪ Opal light.....34 ▪ Opal dark.....35 ▪ Prism.....36 	<ul style="list-style-type: none"> ▪ Wide photometry.....37 ▪ Narrow photometry.....38 ▪ Drop.....39 ▪ Batwing.....40 ▪ Asymmetric.....41
Blind elements		PAGE 42
<ul style="list-style-type: none"> ▪ In combination with any of the lighting elements and with the same exterior design, it allows the continuity of the line and reduce its cost. 		
Track systems		PAGE 43
<ul style="list-style-type: none"> ▪ Standard track element for connecting projectors. With the same exterior design L3D entire system. Which can be combined with lighting elements or blind. 		

CONTENT

LINK ELEMENTS

PAGE 45 TO 47

End feed

- Element to connect the L3D system to the mains.

PAGE 45

End exit

- Allows interconnect two L3D distant lines including a tube with all wiring.

PAGE 46

Elbow

- It is a flexible link between lighting elements, blind or track that allows changes in direction of the L3D line.

PAGE 47

ACCESOIRES

PAGE 48 TO 55

Tap-off

- Plugged to any joint, allows to connect other light devices.
- It includes DALI bus and emergency wiring.

PAGE 48

Emergency kit

- It incorporates the functionality of emergency lighting to any L3D lighting element.

PAGE 49

Light adjustment

- Accessory that allows quickly and easily adjust the intensity of lighting to an entire line in one operation.

PAGE 51

Projectors for track

- Wide range of projectors for use with the track element for different uses.

PAGE 52

Suspension elements

- Diversity of suspension systems for straight elements.

PAGE 53

Wire rail kit

- Supplement of two rails to pass cables for different devices.

PAGE 54

Bracket for accessories

- Element for suspending accessories such as smoke sensors, surveillance cameras, etc.

PAGE 55

LIGHT CONTROL SYSTEMS

PAGE 56 TO 63

Basics

Broadcast and point by point

- Accessories with buttons, motion and crepuscular sensors.

PAGE 56 TO 59

Complete

Point by point

- Range of controllers to regulate the light without a computer.

PAGE 60 - 61

Advanced systems

Total light control

- Control systems for large areas in demanding environments, with different types of sensors, with keypads and remote control. Integrated building control systems.

PAGE 62

Recommendations

For DALI installations

- Basic parameters for designing installations with DALI system

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OTHERS

PAGE 64 TO 67

- Installation instructions.....64
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- Other CANALED products.....67

STRAIGHT LENGTHS

General description

Lighting elements have lengths of 2 and 3 meters.

To meet the different lighting needs, these elements are available with different types of LEDs, and optical diffusers

There are available sections without LEDs (blind) which, intercalated between the light sections, reduce the total amount of light and therefore consumption and the total installation cost.

There are also available standard track sections for use with projectors.

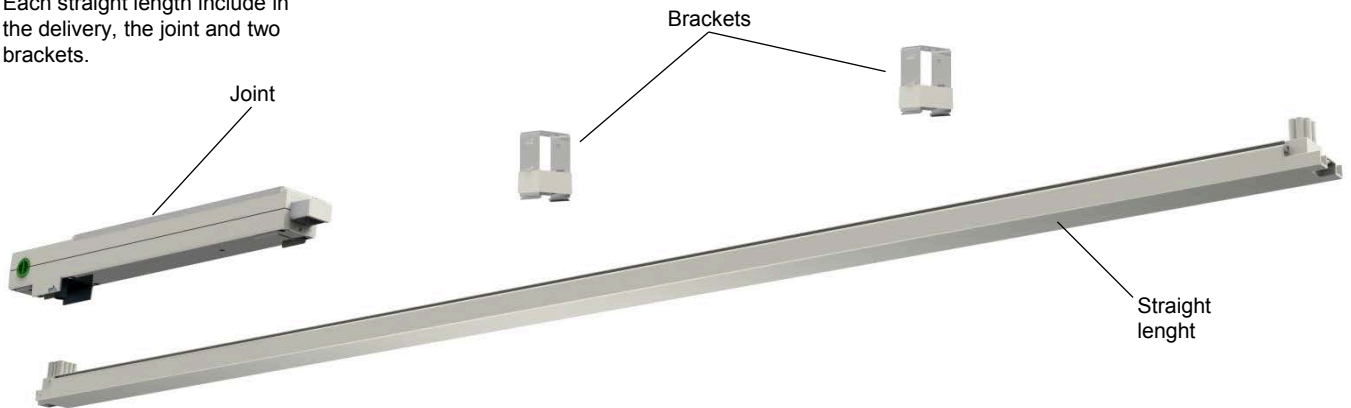
The product is designed to replace any element installed without removing the adjacent, which is a differentiating factor compared to other systems.

Being a three-phase system, the joint allows to select the phase to which each luminaire is connected. This allows consumption balance between the different phases or set different switches.

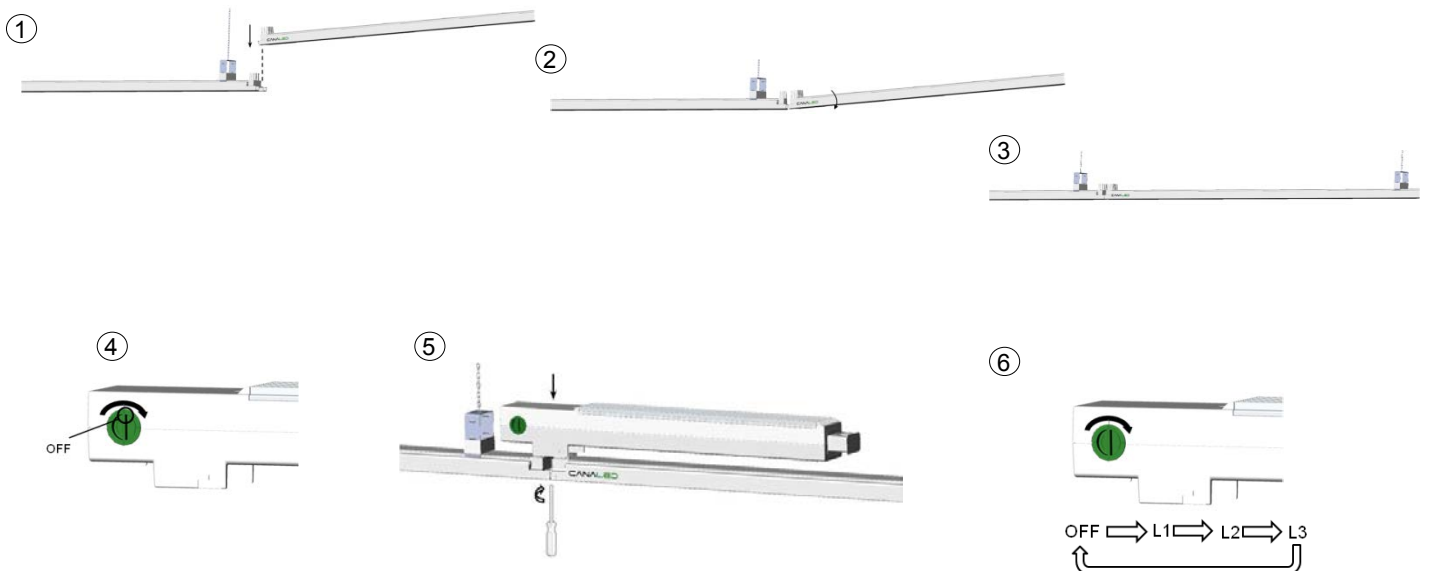
In addition, the joint includes a connector on the back, to plug different devices such as the Kit for emergency lighting, dimmers, sensors, controllers or other light sources. These accessories are connected to the selected phase in the joint.

Delivery

Each straight length include in the delivery, the joint and two brackets.

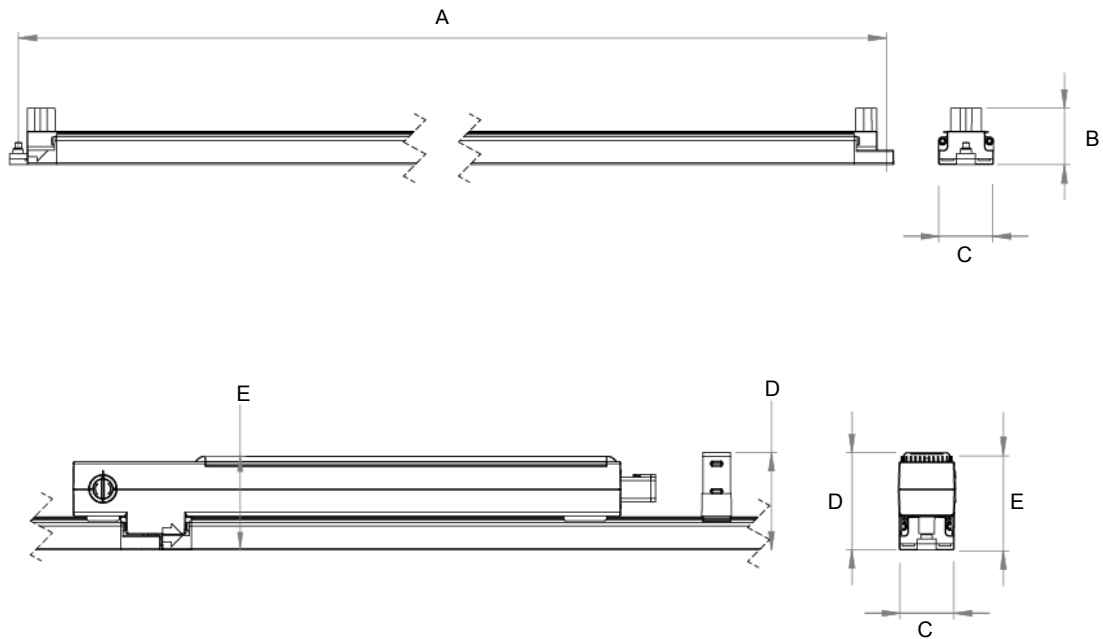


Installation



STRAIGHT LENGTHS

Dimensions



Dimensions in mm	A	B	C	D	E
3 METER ELEMENTS	2837	51	50	88	85
2 METER ELEMENTS	1713				

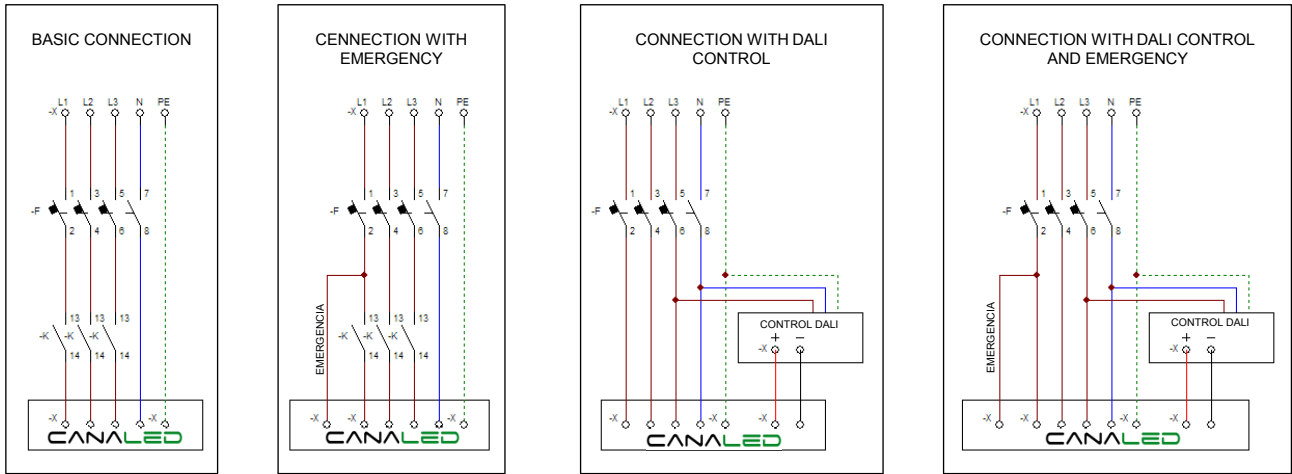
General features

System parameters	Straight lengths
Voltage	220-240 V
Frecuency	50 - 60 Hz
Power factor cos ϕ	0,98
Light source	LED Vossloh-Schwabe Luga COB or SMD line
Operating temperature range	-20°C .. + 40°C
Storage temperature range	-25°C .. + 40°C
Degree of protection	IP 52 ⁽¹⁾
Driver configuration	DALI
Type of protection	Class 1
Housing material	Al
Material of diffusers, optics and plastic components	Polycarbonate
Colour	White RAL 9003 – Black RAL 9005
Maintenance	Not needed – Without maintenance
Installation	Ceiling - Suspended
Main Standard	IEC 60589 I-II
Conductor sections (L1,L2,L3,N)	2,5mm ²
Equivalence of protection conductor (PE)	2,5mm ²
Section of emergency conductor	2,5mm ²
Section of DALI conductor	1,5mm ²

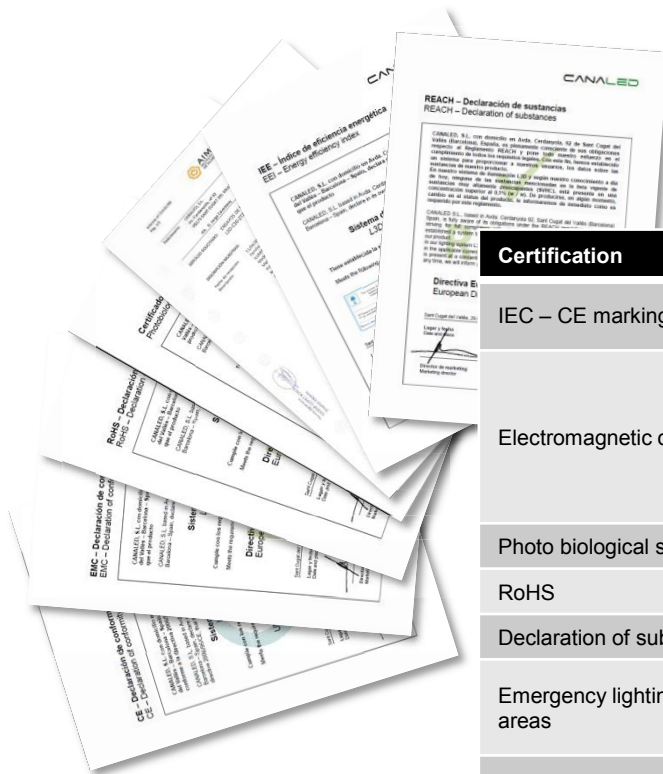
⁽¹⁾ Not available in lengths of track for projectors either for systems with optics (see data sheet for each system)

STRAIGHT LENGTHS

Electrical connection schemes





Certifications



Certification	STANDARD
IEC – CE marking	UNE-EN 60598-1+A11:2009 UNE-EN 60598-2-1:93
Electromagnetic compatibility	2004/108/CE (EMC) EN 55015:2006+A1:2007+A2:2009 EN 61547:2009 EN 61000-3-2:2006+A1:2009 EN61000-3-3:2008 EN 62493:2010
Photo biological safety	IEC/TR 62778
RoHS	2011/65/EU (RoHS)
Declaration of substances	1907/2006 (REACH)
Emergency lighting in public areas	UNE-EN 60598-1:09+A11:2009 UNE-EN 60598-2-22+A2:08+CORR:14 ITC-BT-28
Energy efficiency index	EEL EN 62612 9.3 – 9.1 – 8.1





WHITE – COLOUR TEMPERATURE: 4000K

SYSTEM	POWER (W)	LUMEN	DIFFUSER OPTIC	DENOMINATION 3 METERS	REF.	JOINT	PAGE	
COB 450	124,2	14099	TRANSPARENT	C3T	ZT344340	 JD-XJ050002	11	
		13574	OPAL LIGHT	C3D	ZT344350		12	
		11360	OPAL DARK	C3O	ZT344320		13	
		11622	PRISM	C3P	ZT344380		14	
SMD 150 HB	139,7	15782	TRANSPARENT	G3T	ZT3G4340		15	
		15194	OPAL LIGHT	G3D	ZT3G4350		16	
		12715	OPAL DARK	G3O	ZT3G4320		17	
		13009	PRISM	G3P	ZT3G4380		18	
		16483	WIDE	G3W	ZT3G43W0		19	
		16483	NARROW	G3N	ZT3G43N0		20	
		16483	DROP	G3G	ZT3G43G0		21	
		16483	BATWING	G3S	ZT3G43S0		22	
SMD 300	115,5	14281	TRANSPARENT	S3T	ZT3S4340		23	
		13749	OPAL LIGHT	S3D	ZT3S4350		24	
		11506	OPAL DARK	S3O	ZT3S4320		25	
		11772	PRISM	S3P	ZT3S4380		26	
		14915	WIDE	S3W	ZT3S43W0		27	
		14915	NARROW	S3N	ZT3S43N0		28	
		14915	DROP	S3G	ZT3S43G0		29	
		14915	BATWING	S3S	ZT3S43S0		30	
SMD 150	70,4	8460	TRANSPARENT	F3T	ZT3F4340		31	
		8144	OPAL LIGHT	F3D	ZT3F4350		32	
		6816	OPAL DARK	F3O	ZT3F4320		33	
		6973	PRISM	F3P	ZT3F4380		34	
		8835	WIDE	F3W	ZT3F43W0		35	
		8835	NARROW	F3N	ZT3F43N0		36	
		8835	DROP	F3G	ZT3F43G0		37	
		8835	BATWING	F3S	ZT3F43S0		38	
		8835	ASYMMETRIC	F3A	ZT3F43A0		 J84-XJ050006	39
							40	
							41	



BLACK – COLOUR TEMPERATURE: 4000K

SYSTEM	POWER (W)	LUMEN	DIFFUSER OPTIC	DENOMINATION 3 METERS	REF.	JOINT	PAGE	
COB 450	124,2	14099	TRANSPARENT	C3T	ZT344345	 JD-XJ050502	11	
		13574	OPAL LIGHT	C3D	ZT344355		12	
		11360	OPAL DARK	C3O	ZT344325		13	
		11622	PRISM	C3P	ZT344385		14	
SMD 150 HB	139,7	15782	TRANSPARENT	G3T	ZT3G4345		15	
		15194	OPAL LIGHT	G3D	ZT3G4355		16	
		12715	OPAL DARK	G3O	ZT3G4325		17	
		13009	PRISM	G3P	ZT3G4385		18	
		16483	WIDE	G3W	ZT3G43W5		19	
		16483	NARROW	G3N	ZT3G43N5		20	
		16483	DROP	G3G	ZT3G43G5		21	
		16483	BATWING	G3S	ZT3G43S5		22	
		16483	ASYMMETRIC	G3A	ZT3G43A5		23	
SMD 300	115,5	14281	TRANSPARENT	S3T	ZT3S4345		24	
		13749	OPAL LIGHT	S3D	ZT3S4355		25	
		11506	OPAL DARK	S3O	ZT3S4325		26	
		11772	PRISM	S3P	ZT3S4385		27	
		14915	WIDE	S3W	ZT3S43W5		28	
		14915	NARROW	S3N	ZT3S43N5		29	
		14915	DROP	S3G	ZT3S43G5		30	
		14915	BATWING	S3S	ZT3S43S5		31	
		14915	ASYMMETRIC	S3A	ZT3S43A5		32	
SMD 150	70,4	8460	TRANSPARENT	F3T	ZT3F4345		 J84-XJ050506	33
		8144	OPAL LIGHT	F3D	ZT3F4355			34
		6816	OPAL DARK	F3O	ZT3F4325			35
		6973	PRISM	F3P	ZT3F4385			36
		8835	WIDE	F3W	ZT3F43W5			37
		8835	NARROW	F3N	ZT3F43N5			38
		8835	DROP	F3G	ZT3F43G5			39
		8835	BATWING	F3S	ZT3F43S5			40
		8835	ASYMMETRIC	F3A	ZT3F43A5			41

Systems with diffuser

4000K

Systems with optics

4000K

TRANSPARENT		3 Meters											
	<table border="1"> <thead> <tr> <th>System</th> <th>Lumen</th> </tr> </thead> <tbody> <tr> <td>C3T</td> <td>14099</td> </tr> <tr> <td>G3T</td> <td>15782</td> </tr> <tr> <td>S3T</td> <td>14281</td> </tr> <tr> <td>F3T</td> <td>8460</td> </tr> </tbody> </table>	System	Lumen	C3T	14099	G3T	15782	S3T	14281	F3T	8460		
System	Lumen												
C3T	14099												
G3T	15782												
S3T	14281												
F3T	8460												
OPAL LIGHT		3 Meters											
	<table border="1"> <thead> <tr> <th>System</th> <th>Lumen</th> </tr> </thead> <tbody> <tr> <td>C3D</td> <td>13574</td> </tr> <tr> <td>G3D</td> <td>15194</td> </tr> <tr> <td>S3D</td> <td>13749</td> </tr> <tr> <td>F3D</td> <td>8144</td> </tr> </tbody> </table>	System	Lumen	C3D	13574	G3D	15194	S3D	13749	F3D	8144		
System	Lumen												
C3D	13574												
G3D	15194												
S3D	13749												
F3D	8144												
OPAL DARK		3 Meters											
	<table border="1"> <thead> <tr> <th>System</th> <th>Lumen</th> </tr> </thead> <tbody> <tr> <td>C3O</td> <td>11360</td> </tr> <tr> <td>G3O</td> <td>12715</td> </tr> <tr> <td>S3O</td> <td>11506</td> </tr> <tr> <td>F3O</td> <td>6816</td> </tr> </tbody> </table>	System	Lumen	C3O	11360	G3O	12715	S3O	11506	F3O	6816		
System	Lumen												
C3O	11360												
G3O	12715												
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F3O	6816												
PRISM		3 Meters											
	<table border="1"> <thead> <tr> <th>System</th> <th>Lumen</th> </tr> </thead> <tbody> <tr> <td>C3P</td> <td>11622</td> </tr> <tr> <td>G3P</td> <td>13009</td> </tr> <tr> <td>S3P</td> <td>11772</td> </tr> <tr> <td>F3P</td> <td>6973</td> </tr> </tbody> </table>	System	Lumen	C3P	11622	G3P	13009	S3P	11772	F3P	6973		
System	Lumen												
C3P	11622												
G3P	13009												
S3P	11772												
F3P	6973												

WIDE		3 Meters									
	<table border="1"> <thead> <tr> <th>System</th> <th>Lumen</th> </tr> </thead> <tbody> <tr> <td>G3W</td> <td>16483</td> </tr> <tr> <td>S3W</td> <td>14915</td> </tr> <tr> <td>F3W</td> <td>8835</td> </tr> </tbody> </table>	System	Lumen	G3W	16483	S3W	14915	F3W	8835		
System	Lumen										
G3W	16483										
S3W	14915										
F3W	8835										
NARROW		3 Meters									
	<table border="1"> <thead> <tr> <th>System</th> <th>Lumen</th> </tr> </thead> <tbody> <tr> <td>G3N</td> <td>16483</td> </tr> <tr> <td>S3N</td> <td>14915</td> </tr> <tr> <td>F3N</td> <td>8835</td> </tr> </tbody> </table>	System	Lumen	G3N	16483	S3N	14915	F3N	8835		
System	Lumen										
G3N	16483										
S3N	14915										
F3N	8835										
DROP		3 Meters									
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System	Lumen										
G3G	16483										
S3G	14915										
F3G	8835										
BATWING		3 Meters									
	<table border="1"> <thead> <tr> <th>System</th> <th>Lumen</th> </tr> </thead> <tbody> <tr> <td>G3S</td> <td>16483</td> </tr> <tr> <td>S3S</td> <td>14915</td> </tr> <tr> <td>F3S</td> <td>8835</td> </tr> </tbody> </table>	System	Lumen	G3S	16483	S3S	14915	F3S	8835		
System	Lumen										
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S3S	14915										
F3S	8835										
ASYMMETRIC		3 Meters									
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System	Lumen										
G3A	16483										
S3A	14915										
F3A	8835										

STRAIGHT LENGTHS: COB 450 Systems

Transparent diffuser

- o 450 LED's on a ceramic plate "Chip on board" by 3 meter length
- o High efficiency PC diffuser
- o High performance and durability LED's
- o 3 Phase + N + PE + DALI + Emergency
- o External phase selector
- o Continuous light up to 114 meters (40 units) with a single end feed
- o Discontinuous light up to 228 meters with a single end feed
- o Connection for accessories (PLUG IN KIT) in each joint
- o Dimmable (DALI)

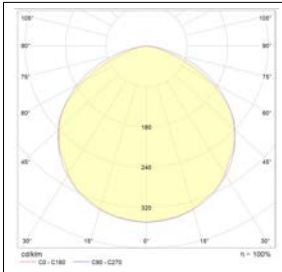
Available for specific applications *:

- Clothes: Pearl white CRI 95
- Food: White effect (Meat)
Warm white (Bread, seafood)
Neutral white (Fish)

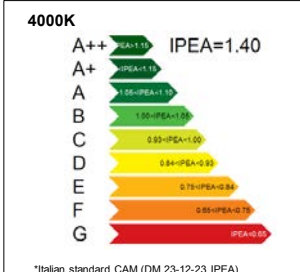
* Consult with CANALED the detailed technical information on these products.



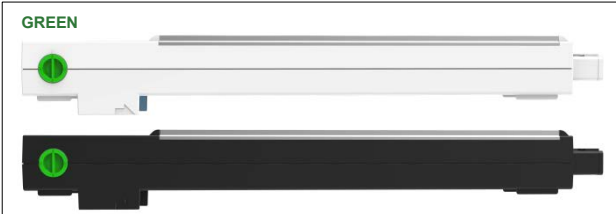
POLAR DIAGRAM



ENERGY EFFICIENCY INDEX*



PHASE SELECTOR



PEARLS WHITE System (CLOTHES)	3 Meters	2 Meters
Colour temperature(°K)	3100K	
White RAL 9003 Ref. N°	ZT348340	ZT248340
Black RAL 9005 Ref. N°	ZT348345	ZT248345
LEDS output (Lm)	12600	7560
Light efficiency - Output (Lm/w)	110	
Total luminous flux of the system (Lm)	11461	6877
Light efficiency – Total (Lm/w)	92	91
CRI Typical (R _a)	95	
Power - Total (W)	124,2	75,9
Luminous flux maintenance at 55.000Hrs. 25°C	L90	
Failure rate at 55.000Hrs.	B10	
Weight of luminaries (Kg)	3,37	2,07
Installed system weight (Kg/m)	1,59	1,88

System	3 Meters		C3T	2 Meters		C2T
Colour temperature(°K)	3000K	4000K		3000K	4000K	
White RAL 9003 Ref. N°	ZT343340	ZT344340		ZT243340	ZT244340	
Black RAL 9005 Ref. N°	ZT343345	ZT344345		ZT243345	ZT244345	
LEDS output (Lm)	14600	15500		8760	9300	
Light efficiency - Output (Lm/w)	127	135		127	135	
Total luminous flux of the system (Lm)	13281	14099		7968	8459	
Light efficiency – Total (Lm/w)	107	114		105	111	
CRI Typical (R _a)	82	84		82	84	
Power - Total (W)	124,2			75,9		
Luminous flux maintenance at 55.000Hrs. 25°C			L90			
Failure rate at 55.000Hrs.			B10			
Weight of luminaries (Kg)	3,37			2,07		
Installed system weight (Kg/m)	1,59			1,88		

STRAIGHT LENGTHS: COB 450 Systems

Opal light diffuser

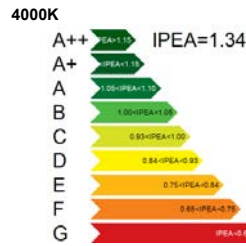
- o 450 LED's on a ceramic plate "Chip on board" by 3 meter length
- o Reduced glare PC diffuser
- o High performance and durability LED's
- o 3 Phase + N + PE + DALI + Emergency
- o External phase selector
- o Continuous light up to 114 meters (40 units) with a single end feed
- o Discontinuous light up to 228 meters with a single end feed
- o Connection for accessories (PLUG IN KIT) in each joint
- o Dimmable (DALI)



APPLICATIONS

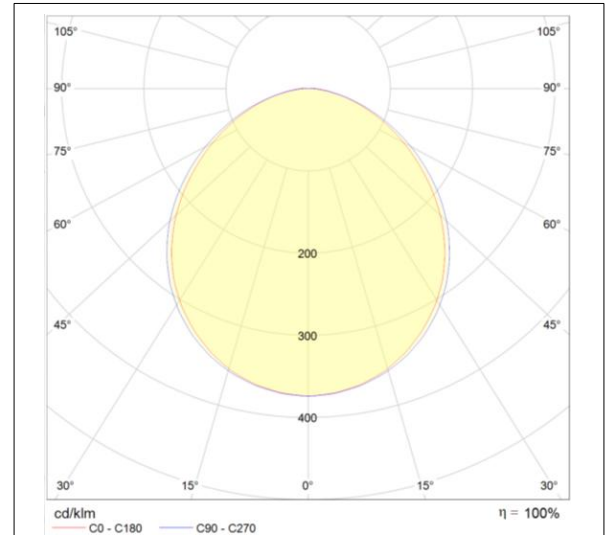
- o Shopping centres
- o Offices
- o Training centres
- o Railway stations
- o Sport centres
- o Industrial lighting

ENERGY EFFICIENCY INDEX*



*Italian standard CAM (DM 23-12-23 IPEA)

POLAR DIAGRAM



TYPE OF JOINT

PHASE SELECTOR GREEN

JD-XJ050002



JD-XJ050502

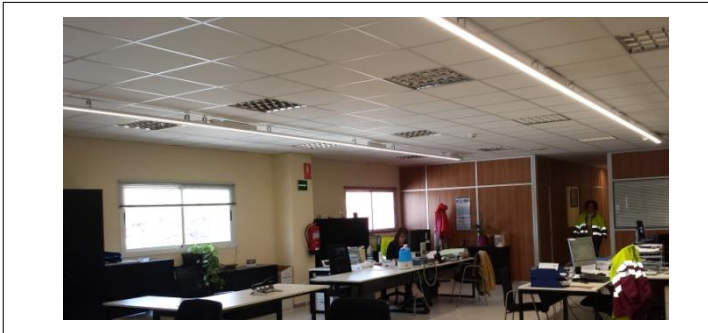


System	3 Meters		2 Meters	
	C3D	C3D	C2D	C2D
Colour temperature(°K)	3000K	4000K	3000K	4000K
White RAL 9003 Ref. N°	ZT343350	ZT344350	ZT243350	ZT244350
Black RAL 9005 Ref. N°	ZT343355	ZT344355	ZT243355	ZT244355
LEDS output (Lm)	14600	15500	8760	9300
Light efficiency - Output (Lm/w)	127	135	127	135
Total luminous flux of the system (Lm)	12786	13574	7671	8144
Light efficiency – Total (Lm/w)	103	109	105	111
CRI Typical (R _a)	82	84	82	84
Power - Total (W)	124,2		75,9	
Luminous flux maintenance at 55.000Hrs. 25°C			L90	
Failure rate at 55.000Hrs.			B10	
Weight of luminaries (Kg)	3,37		2,07	
Installed system weight (Kg/m)	1,59		1,88	

STRAIGHT LENGTHS: COB 450 Systems

Opal dark diffuser

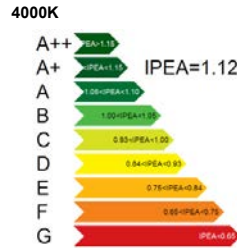
- o 450 LED's on a ceramic plate "Chip on board" by 3 meter length
- o PC diffuser that hides the LEDs
- o High performance and durability LED's
- o 3 Phase + N + PE + DALI + Emergency
- o External phase selector
- o Continuous light up to 114 meters (40 units) with a single end feed
- o Discontinuous light up to 228 meters with a single end feed
- o Connection for accessories (PLUG IN KIT) in each joint
- o Dimmable (DALI)



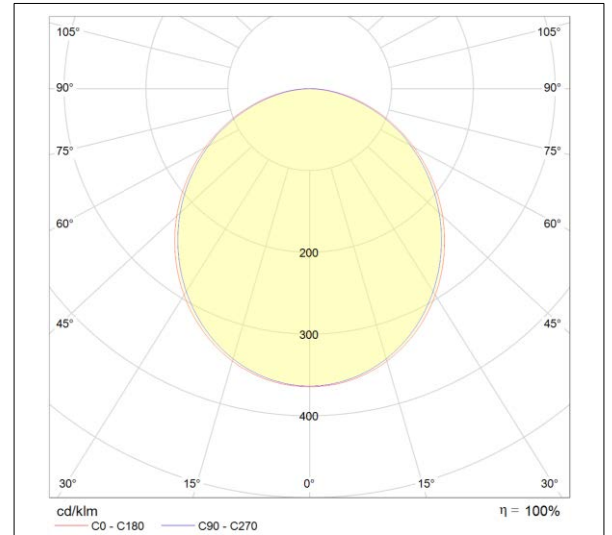
APPLICATIONS

- o Shopping centres
- o Offices
- o Training centres
- o Railway stations
- o Sport centres
- o Industrial lighting

ENERGY EFFICIENCY INDEX*



POLAR DIAGRAM



TYPE OF JOINT

PHASE SELECTOR GREEN

JD-XJ050002



JD-XJ050502



System	3 Meters		2 Meters	
	C30	C30	C20	C20
Colour temperature(°K)	3000K	4000K	3000K	4000K
White RAL 9003 Ref. N°	ZT343320	ZT344320	ZT243320	ZT244320
Black RAL 9005 Ref. N°	ZT343325	ZT344325	ZT243325	ZT244325
LEDS output (Lm)	14600	15500	8760	9300
Light efficiency - Output (Lm/w)	127	135	127	135
Total luminous flux of the system (Lm)	10700	11360	6420	6816
Light efficiency – Total (Lm/w)	86	91	85	90
CRI Typical (R _a)	82	84	82	84
Power - Total (W)	124,2		75,9	
Luminous flux maintenance at 55.000Hrs. 25°C			L90	
Failure rate at 55.000Hrs.			B10	
Weight of luminaries (Kg)	3,37		2,07	
Installed system weight (Kg/m)	1,59		1,88	

STRAIGHT LENGTHS: COB 450 Systems

Prism

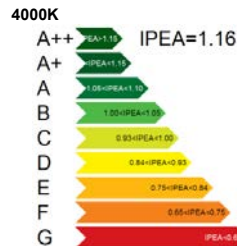
- o 450 LED's on a ceramic plate "Chip on board" by 3 meter length
- o PC micro-prism diffuser to prevent glare
- o High performance and durability LED's
- o 3 Phase + N + PE + DALI + Emergency
- o External phase selector
- o Continuous light up to 114 meters (40 units) with a single end feed
- o Discontinuous light up to 228 meters with a single end feed
- o Connection for accessories (PLUG IN KIT) in each joint
- o Dimmable (DALI)



APPLICATIONS

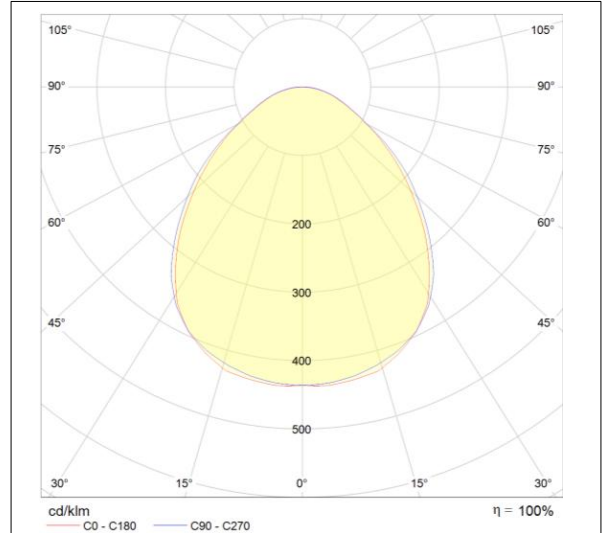
- o Shopping centres
- o Offices
- o Training centres
- o Railway stations
- o Sport centres
- o Industrial lighting

ENERGY EFFICIENCY INDEX*



*Italian standard CAM (DM 23-12-23 IEPE)

POLAR DIAGRAM



TYPE OF JOINT

PHASE SELECTOR GREEN

JD-XJ050002



JD-XJ050502



System	3 Meters		2 Meters	
	C3P		C2P	
Colour temperature(°K)	3000K	4000K	3000K	4000K
White RAL 9003 Ref. N°	ZT343380	ZT344380	ZT243380	ZT244380
Black RAL 9005 Ref. N°	ZT343385	ZT344385	ZT243385	ZT244385
LEDS output (Lm)	14600	15500	8760	9300
Light efficiency - Output (Lm/w)	127	135	127	135
Total luminous flux of the system (Lm)	10947	11622	6568	6973
Light efficiency – Total (Lm/w)	88	94	87	92
CRI Typical (R _a)	82	84	82	84
Power - Total (W)	124,2		75,9	
Luminous flux maintenance at 55.000Hrs. 25°C			L90	
Failure rate at 55.000Hrs.			B10	
Weight of luminaries (Kg)	3,59		2,20	
Installed system weight (Kg/m)	1,67		1,95	

STRAIGHT LENGTHS: SMD 150HB Systems

Transparent diffuser

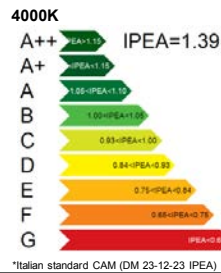
- o 150 high brightness SMD LED's in 3 meter length
- o High efficiency PC diffuser
- o High performance LED's
- o 3 Phase + N + PE + DALI + Emergency
- o External phase selector
- o Continuous light up to 108 meters (38 units) with a single end feed
- o Discontinuous light up to 216 meters with a single end feed
- o Connection for accessories (PLUG IN KIT) in each joint
- o Dimmable (DALI)



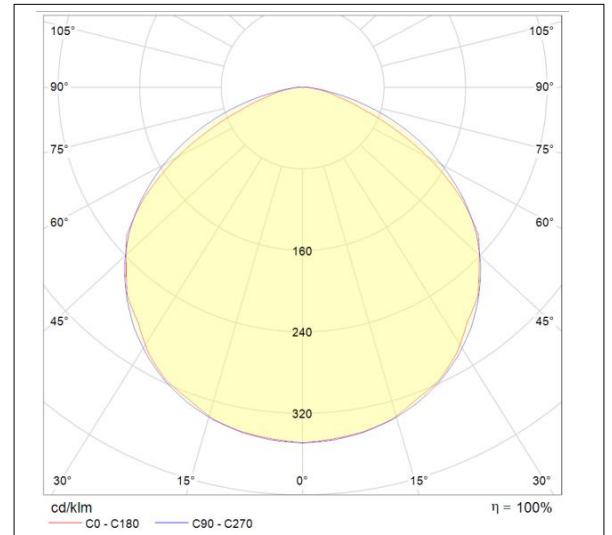
APPLICATIONS

- o Factories
- o Warehouses
- o Workshops
- o Industrial lighting

ENERGY EFFICIENCY INDEX*



POLAR DIAGRAM



TYPE OF JOINT

PHASE SELECTOR GREEN

JD-XJ050002



JD-XJ050502



System	3 Meters		G3T	2 Meters		G2T
Colour temperature(°K)	3000K		4000K	3000K		4000K
White RAL 9003 Ref. N°	ZT3G3340		ZT3G4340	ZT2G3340		ZT2G4340
Black RAL 9005 Ref. N°	ZT3G3345		ZT3G4345	ZT2G3345		ZT2G4345
LEDS output (Lm)	16450		17350	9870		10410
Light efficiency - Output (Lm/w)	130		137	130		137
Total luminous flux of the system (Lm)	14963		15782	8978		9518
Light efficiency – Total (Lm/w)	107		113	107		114
CRI Typical (R _a)			85			
Power - Total (W)	139,7			83,8		
Luminous flux maintenance at 55.000Hrs. 25°C			L80			
Failure rate at 55.000Hrs.			B10			
Weight of luminaries (Kg)	3,37			2,07		
Installed system weight (Kg/m)	1,59			1,88		

STRAIGHT LENGTHS: SMD 150HB Systems

Opal light diffuser

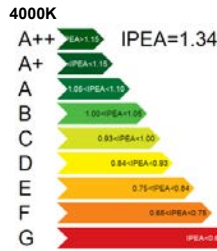
- o 150 high brightness SMD LED's in 3 meter length
- o Reduced glare PC diffuser
- o High performance LED's
- o 3 Phase + N + PE + DALI + Emergency
- o External phase selector
- o Continuous light up to 108 meters (38 units) with a single end feed
- o Discontinuous light up to 216 meters with a single end feed
- o Connection for accessories (PLUG IN KIT) in each joint
- o Dimmable (DALI)



APPLICATIONS

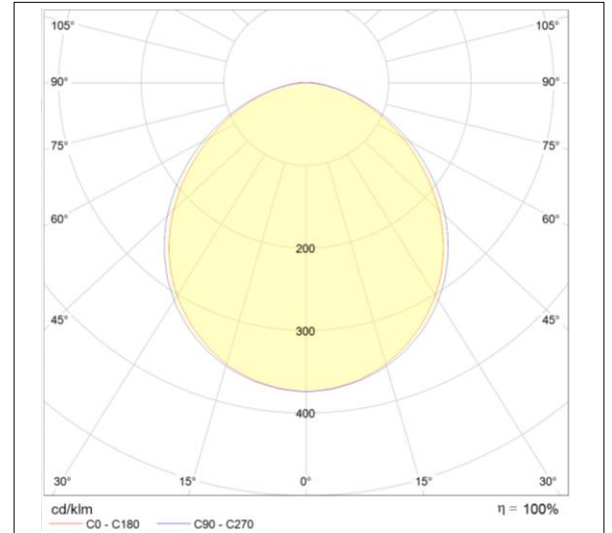
- o Factories
- o Warehouses
- o Schools
- o Sport centres
- o Industrial lighting

ENERGY EFFICIENCY INDEX*



*Italian standard CAM (DM 23-12-23 IPEA)

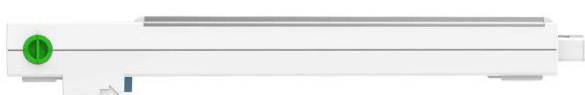
POLAR DIAGRAM



TYPE OF JOINT

PHASE SELECTOR GREEN

JD-XJ050002



JD-XJ050502



System	3 Meters	G3D	2 Meters	G2D
Colour temperature(°K)	3000K	4000K	3000K	4000K
White RAL 9003 Ref. N°	ZT3G3350	ZT3G4350	ZT2G3350	ZT2G4350
Black RAL 9005 Ref. N°	ZT3G3355	ZT3G4355	ZT2G3355	ZT2G4355
LEDS output (Lm)	16450	17350	9870	10410
Light efficiency - Output (Lm/w)	130	137	130	137
Total luminous flux of the system (Lm)	14406	15194	8643	9183
Light efficiency – Total (Lm/w)	103	109	103	110
CRI Typical (R _a)	85			
Power - Total (W)	139,7		83,8	
Luminous flux maintenance at 55.000Hrs. 25°C	L80			
Failure rate at 55.000Hrs.	B10			
Weight of luminaries (Kg)	3,37		2,07	
Installed system weight (Kg/m)	1,59		1,88	

STRAIGHT LENGTHS: SMD 150HB Systems

Opal dark diffuser

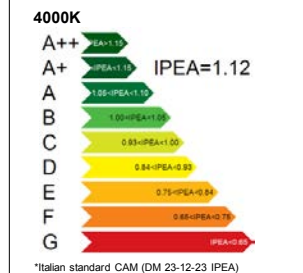
- o 150 high brightness SMD LED's in 3 meter length
- o PC diffuser that hides the LEDs
- o High performance LED's
- o 3 Phase + N + PE + DALI + Emergency
- o External phase selector
- o Continuous light up to 108 meters (38 units) with a single end feed
- o Discontinuous light up to 216 meters with a single end feed
- o Connection for accessories (PLUG IN KIT) in each joint
- o Dimmable (DALI)



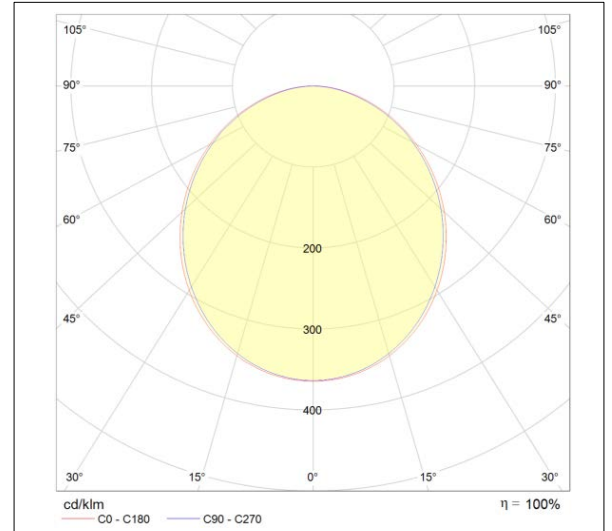
APPLICATIONS

- o Shopping centres
- o Offices
- o Training centres
- o Railway stations
- o Sport centres
- o Industrial lighting

ENERGY EFFICIENCY INDEX*



POLAR DIAGRAM



TYPE OF JOINT

PHASE SELECTOR GREEN

JD-XJ050002



JD-XJ050502

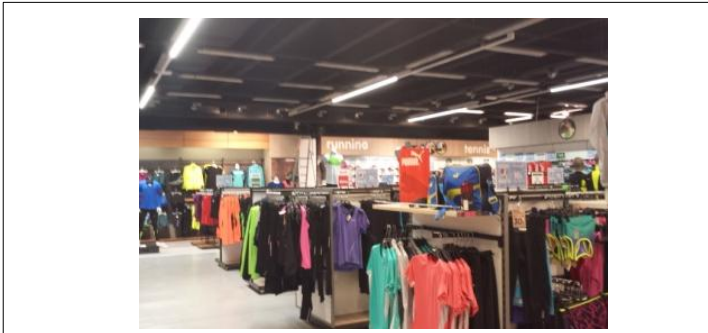


System	3 Meters		G30	2 Meters		G20
Colour temperature(°K)	3000K	4000K		3000K	4000K	
White RAL 9003 Ref. N°	ZT3G3320	ZT3G4320		ZT2G3320	ZT2G4320	
Black RAL 9005 Ref. N°	ZT3G3325	ZT3G4325		ZT2G3325	ZT2G4325	
LEDS output (Lm)	16450	17350		9870	10410	
Light efficiency - Output (Lm/w)	130	137		130	137	
Total luminous flux of the system (Lm)	12056	12715		7234	7774	
Light efficiency – Total (Lm/w)	86	91		86	93	
CRI Typical (R _a)	85					
Power - Total (W)	139,7			83,8		
Luminous flux maintenance at 55.000Hrs. 25°C	L80					
Failure rate at 55.000Hrs.	B10					
Weight of luminaries (Kg)	3,37			2,07		
Installed system weight (Kg/m)	1,59			1,88		

STRAIGHT LENGTHS: SMD 150HB Systems

Prism

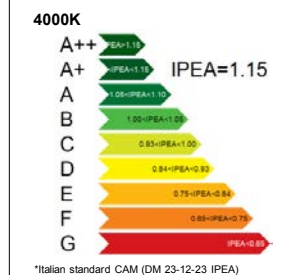
- o 150 high brightness SMD LED's in 3 meter length
- o PC micro-prism diffuser to prevent glare
- o High performance LED's
- o 3 Phase + N + PE + DALI + Emergency
- o External phase selector
- o Continuous light up to 108 meters (38 units) with a single end feed
- o Discontinuous light up to 216 meters with a single end feed
- o Connection for accessories (PLUG IN KIT) in each joint
- o Dimmable (DALI)



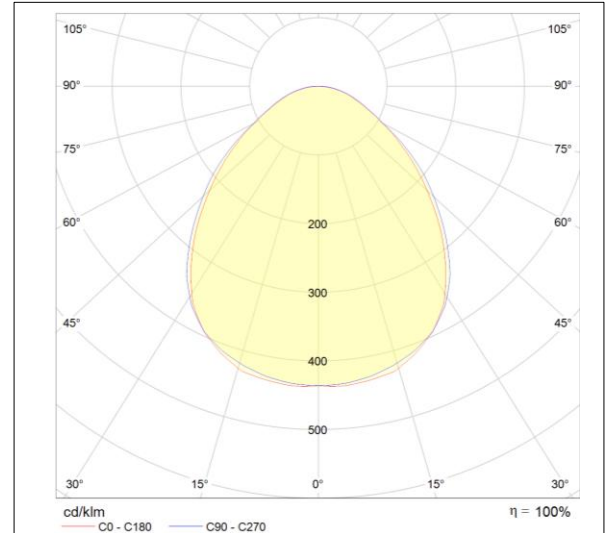
APPLICATIONS

- o Shopping centres
- o Offices
- o Training centres
- o Railway stations
- o Sport centres
- o Industrial lighting

ENERGY EFFICIENCY INDEX*



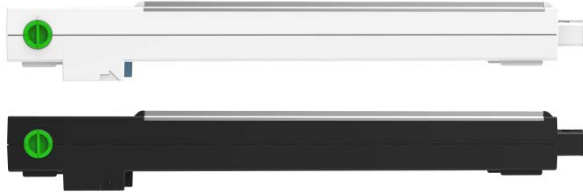
POLAR DIAGRAM



TYPE OF JOINT

PHASE SELECTOR GREEN

JD-XJ050002



JD-XJ050502

System	3 Meters		2 Meters	
		G3P		G2P
Colour temperature(°K)	3000K	4000K	3000K	4000K
White RAL 9003 Ref. N°	ZT3G3380	ZT3G4380	ZT2G3380	ZT2G4320
Black RAL 9005 Ref. N°	ZT3G3385	ZT3G4385	ZT2G3385	ZT2G4325
LEDS output (Lm)	16450	17350	9870	10410
Light efficiency - Output (Lm/w)	130	137	130	137
Total luminous flux of the system (Lm)	12334	13009	7401	7941
Light efficiency – Total (Lm/w)	88	93	88	95
CRI Typical (R _a)	85			
Power - Total (W)	139,7		83,8	
Luminous flux maintenance at 55.000Hrs. 25°C	L80			
Failure rate at 55.000Hrs.	B10			
Weight of luminaries (Kg)	3,59		2,20	
Installed system weight (Kg/m)	1,67		1,95	

STRAIGHT LENGTHS: SMD 150HB Systems

Wide photometry

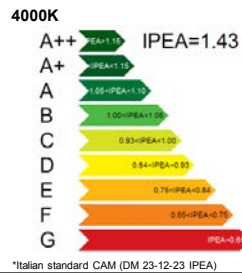
- o 150 high brightness SMD LED's in 3 meter length
- o Wide angle PMMA optics
- o High performance LED's
- o 3 Phase + N + PE + DALI + Emergency
- o External phase selector
- o Continuous light up to 108 meters (38 units) with a single end feed
- o Discontinuous light up to 216 meters with a single end feed
- o Connection for accessories (PLUG IN KIT) in each joint
- o Dimmable (DALI)



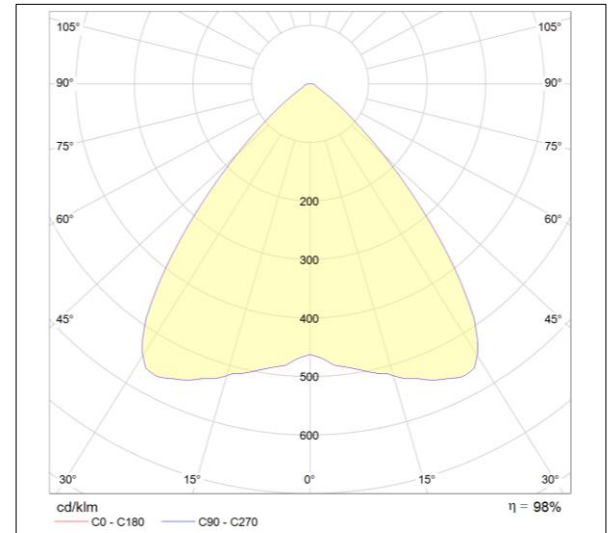
APPLICATIONS

- o Shopping centres
- o Offices
- o Training centres
- o Railway stations
- o Sport centres
- o Industrial lighting

ENERGY EFFICIENCY INDEX*



POLAR DIAGRAM



TYPE OF JOINT

PHASE SELECTOR GREEN

JD-XJ050002



JD-XJ050502



System	3 Meters		2 Meters	
		G3W		G2W
Colour temperature(°K)	3000K	4000K	3000K	4000K
White RAL 9003 Ref. N°	ZT3G33W0	ZT3G43W0	ZT2G33W0	ZT2G43W0
Black RAL 9005 Ref. N°	ZT3G33W5	ZT3G43W5	ZT2G33W5	ZT2G43W5
LEDS output (Lm)	16450	17350	9870	10410
Light efficiency - Output (Lm/w)	130	137	130	137
Total luminous flux of the system (Lm)	15628	16483	9377	9917
Light efficiency – Total (Lm/w)	112	118	112	118
CRI Typical (R _a)	85			
Power - Total (W)	139,7		83,8	
Luminous flux maintenance at 55.000Hrs. 25°C	L80			
Failure rate at 55.000Hrs.	B10			
Weight of luminaries (Kg)	3,59		2,20	
Installed system weight (Kg/m)	1,67		1,95	

STRAIGHT LENGTHS: SMD 150HB Systems

Narrow photometry

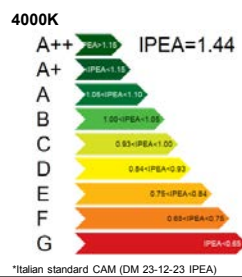
- o 150 high brightness SMD LED's in 3 meter length
- o High efficiency PMMA optics for high ceilings
- o High performance LED's
- o 3 Phase + N + PE + DALI + Emergency
- o External phase selector
- o Continuous light up to 108 meters (38 units) with a single end feed
- o Discontinuous light up to 216 meters with a single end feed
- o Connection for accessories (PLUG IN KIT) in each joint
- o Dimmable (DALI)



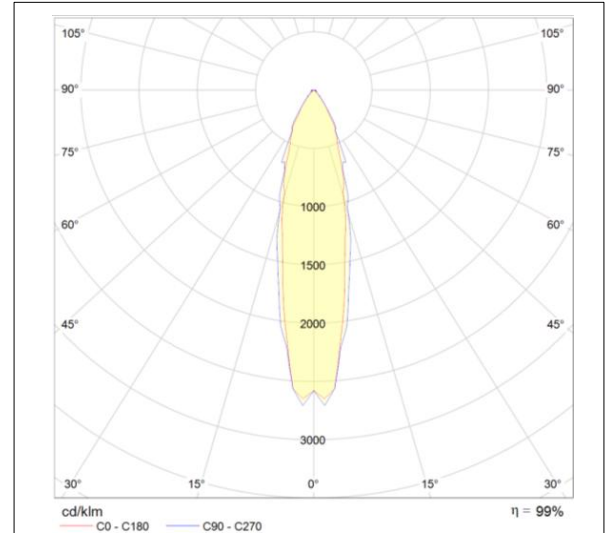
APPLICATIONS

- o Factories
- o High-rise stores
- o Conference rooms
- o Railway stations
- o Sport centres
- o Industrial lighting

ENERGY EFFICIENCY INDEX*



POLAR DIAGRAM



TYPE OF JOINT

PHASE SELECTOR GREEN

JD-XJ050002



JD-XJ050502



System	3 Meters	G3N	2 Meters	G2N
Colour temperature(°K)	3000K	4000K	3000K	4000K
White RAL 9003 Ref. N°	ZT3G33N0	ZT3G43N0	ZT2G33N0	ZT2G43N0
Black RAL 9005 Ref. N°	ZT3G33N5	ZT3G43N5	ZT2G33N5	ZT2G43N5
LEDS output (Lm)	16450	17350	9870	9518
Light efficiency - Output (Lm/w)	130	137	130	137
Total luminous flux of the system (Lm)	15628	16483	9377	9917
Light efficiency – Total (Lm/w)	123	129	123	129
CRI Typical (R _a)	85			
Power - Total (W)	139,7		83,8	
Luminous flux maintenance at 55.000Hrs. 25°C	L80			
Failure rate at 55.000Hrs.	B10			
Weight of luminaries (Kg)	3,48		2,13	
Installed system weight (Kg/m)	1,63		1,92	

STRAIGHT LENGTHS: SMD 150HB Systems

Drop photometry

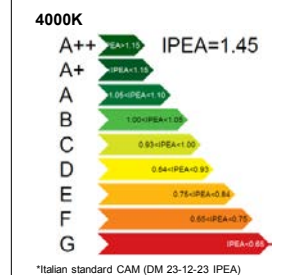
- o 150 high brightness SMD LED's in 3 meter length
- o High efficiency PMMA optics for central linear lighting
- o High performance LED's
- o 3 Phase + N + PE + DALI + Emergency
- o External phase selector
- o Continuous light up to 108 meters (38 units) with a single end feed
- o Discontinuous light up to 216 meters with a single end feed
- o Connection for accessories (PLUG IN KIT) in each joint
- o Dimmable (DALI)



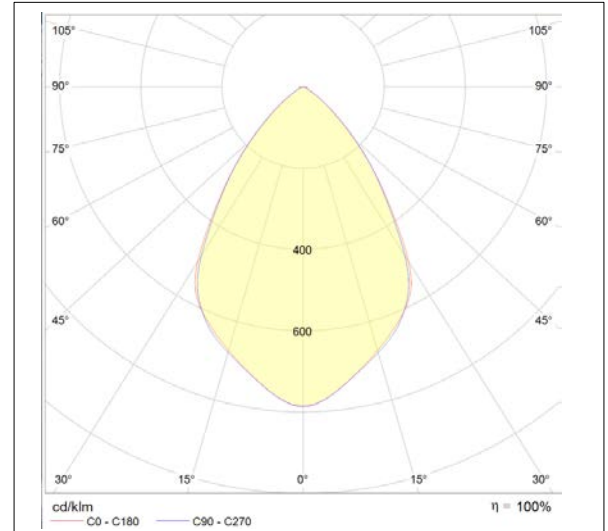
APPLICATIONS

- o Shopping centres
- o Offices
- o Training centres
- o Railway stations
- o Sport centres
- o Industrial lighting

ENERGY EFFICIENCY INDEX*



POLAR DIAGRAM



TYPE OF JOINT

PHASE SELECTOR GREEN

JD-XJ050002



JD-XJ050502

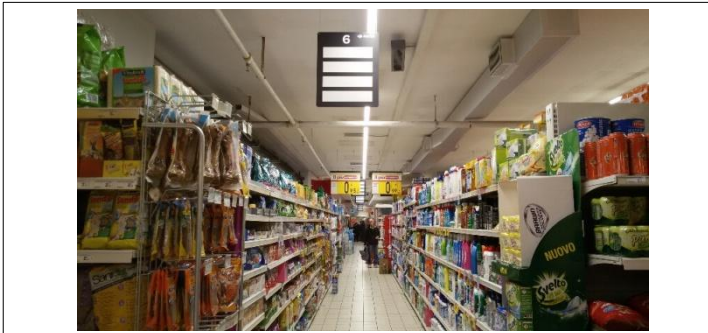


System	3 Meters		G3G	2 Meters		G2G
Colour temperature(°K)	3000K		4000K	3000K		4000K
White RAL 9003 Ref. N°	ZT3G33G0		ZT3G43G0	ZT2G33G0		ZT2G43G0
Black RAL 9005 Ref. N°	ZT3G33G5		ZT3G43G5	ZT2G33G5		ZT2G43G5
LEDS output (Lm)	16450		17350	9870		10410
Light efficiency - Output (Lm/w)	130		137	130		137
Total luminous flux of the system (Lm)	15628		16483	9377		9917
Light efficiency – Total (Lm/w)	112		118	112		118
CRI Typical (R _a)	85					
Power - Total (W)	139,7			83,8		
Luminous flux maintenance at 55.000Hrs. 25°C	L80					
Failure rate at 55.000Hrs.	B10					
Weight of luminaries (Kg)	3,48			2,13		
Installed system weight (Kg/m)	1,63			1,92		

STRAIGHT LENGTHS: SMD 150HB Systems

Batwing photometry

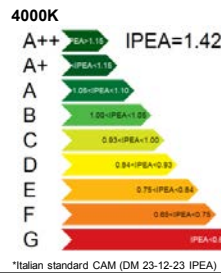
- o 150 high brightness SMD LED's in 3 meter length
- o High efficiency PMMA optics for retail shelves
- o High performance LED's
- o 3 Phase + N + PE + DALI + Emergency
- o External phase selector
- o Continuous light up to 108 meters (38 units) with a single end feed
- o Discontinuous light up to 216 meters with a single end feed
- o Connection for accessories (PLUG IN KIT) in each joint
- o Dimmable (DALI)



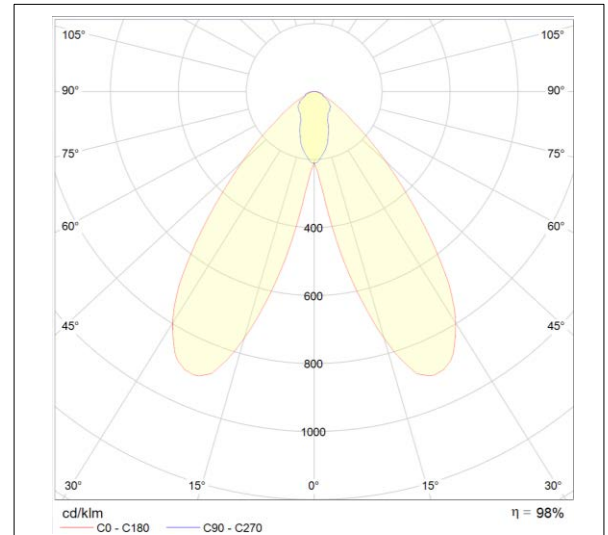
APPLICATIONS

- o Supermarkets
- o Retail

ENERGY EFFICIENCY INDEX*



POLAR DIAGRAM



TYPE OF JOINT

PHASE SELECTOR GREEN

JD-XJ050002



JD-XJ050502



System	3 Meters	G3S	2 Meters	G2S
Colour temperature(°K)	3000K	4000K	3000K	4000K
White RAL 9003 Ref. N°	ZT3G33S0	ZT3G43S0	ZT2G33S0	ZT2G43S0
Black RAL 9005 Ref. N°	ZT3G33S5	ZT3G43S5	ZT2G33S5	ZT2G43S5
LEDS output (Lm)	16450	17350	9870	10410
Light efficiency - Output (Lm/w)	130	137	130	137
Total luminous flux of the system (Lm)	15628	16483	9377	9917
Light efficiency – Total (Lm/w)	112	118	112	118
CRI Typical (R _a)	85			
Power - Total (W)	139,7		83,8	
Luminous flux maintenance at 55.000Hrs. 25°C	L80			
Failure rate at 55.000Hrs.	B10			
Weight of luminaries (Kg)	3,58		2,20	
Installed system weight (Kg/m)	1,67		1,95	

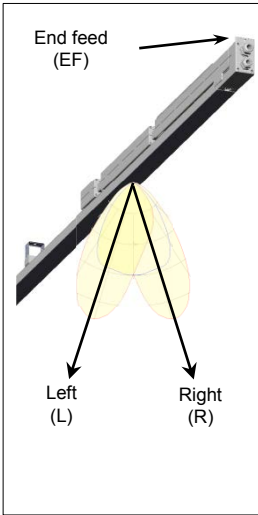
STRAIGHT LENGTHS: SMD 150HB Systems

Asymmetric photometry

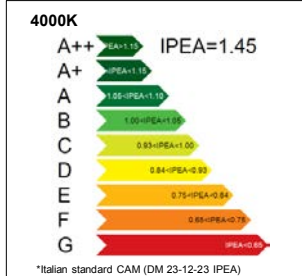
- o 150 high brightness SMD LED's in 3 meter length
- o High efficiency PMMA optics for side light
- o High performance LEDs
- o 3 Phase + N + PE + DALI + Emergency
- o External phase selector
- o Continuous light up to 108 meters (38 units) with a single end feed
- o Discontinuous light up to 216 meters with a single end feed
- o Connection for accessories (PLUG IN KIT) in each joint
- o Dimmable (DALI)



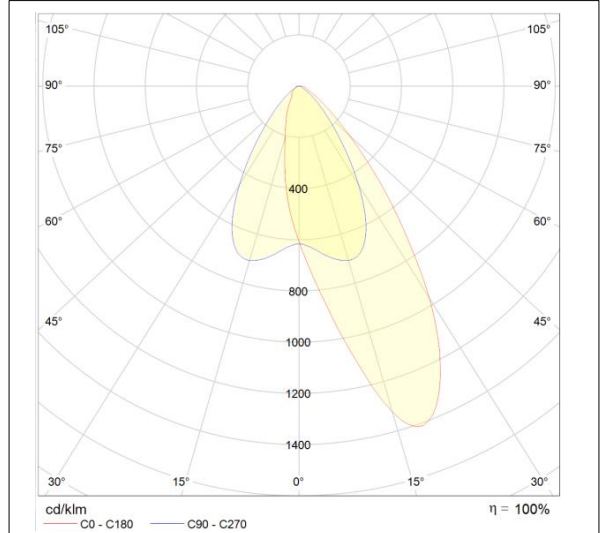
INSTALLATION POSITION



ENERGY EFFICIENCY INDEX*



POLAR DIAGRAM



TYPE OF JOINT



System	3 Meters	G3A (L-R)	2 Meters	G2A (L-R)
Colour temperature (°K)	4000K		4000K	
White RAL 9003 Ref. N° (Right) - R	ZT3G33A0		ZT2G33A0	
Black RAL 9005 Ref. N° (Right) - R	ZT3G33A5		ZT2G33A5	
White RAL 9003 Ref. N° (Left) - L	ZT3G33A1		ZT2G43A1	
Black RAL 9005 Ref. N° (Left) - L	ZT3G33A6		ZT2G43A6	
LEDS output (Lm)	17350		10410	
Light efficiency - Output (Lm/w)	137		137	
Total luminous flux of the system (Lm)	16483		9917	
Light efficiency – Total (Lm/w)	118		118	
CRI Typical (Ra)	85			
Power - Total (W)	139,7		83,8	
Luminous flux maintenance at 55.000Hrs. 25°C	L80			
Failure rate at 55.000Hrs.	B10			
Weight of luminaries (Kg)	3,58		2,20	
Installed system weight (Kg/m)	1,67		1,95	

STRAIGHT LENGTHS: SMD 300 Systems

Transparent diffuser

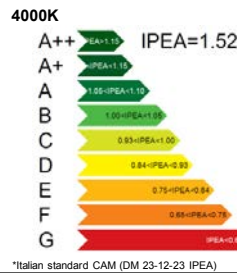
- o 300 SMD LED's in 3 meter length
- o High efficiency PC diffuser
- o High performance LED's
- o 3 Phase + N + PE + DALI + Emergency
- o External phase selector
- o Continuous light up to 120 meters (42 units) with a single end feed
- o Discontinuous light up to 240 meters with a single end feed
- o Connection for accessories (PLUG IN KIT) in each joint
- o Dimmable (DALI)



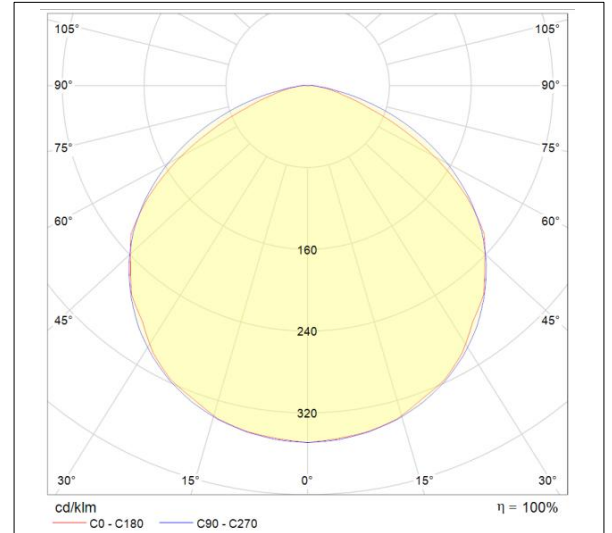
APPLICATIONS

- o Shopping centres
- o Offices
- o Training centres
- o Railway stations
- o Sport centres
- o Industrial lighting

ENERGY EFFICIENCY INDEX*



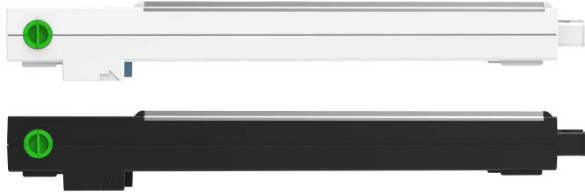
POLAR DIAGRAM



TYPE OF JOINT

PHASE SELECTOR GREEN

JD-XJ050002



JD-XJ050502

System	3 Meters		2 Meters	
		S3T		S2T
Colour temperature(°K)	3000K	4000K	3000K	4000K
White RAL 9003 Ref. N°	ZT3S3340	ZT3S4340	ZT2S3340	ZT2S4340
Black RAL 9005 Ref. N°	ZT3S3345	ZT3S4345	ZT2S3345	ZT2S4345
LEDS output (Lm)	15000	15700	9000	9420
Light efficiency - Output (Lm/w)	143	150	143	150
Total luminous flux of the system (Lm)	13644	14281	8187	8607
Light efficiency – Total (Lm/w)	118	124	118	124
CRI Typical (R _a)	85			
Power - Total (W)	115,5		69,3	
Luminous flux maintenance at 55.000Hrs. 25°C			L80	
Failure rate at 55.000Hrs.			B10	
Weight of luminaries (Kg)	3,37		2,07	
Installed system weight (Kg/m)	1,59		1,88	

STRAIGHT LENGTHS: SMD 300 Systems

Opal light diffuser

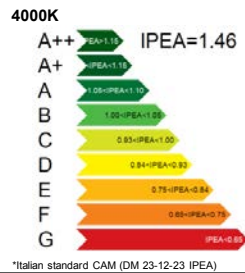
- o 300 SMD LED's in 3 meter length
- o Reduced glare PC diffuser
- o High performance LED's
- o 3 Phase + N + PE + DALI + Emergency
- o External phase selector
- o Continuous light up to 120 meters (42 units) with a single end feed
- o Discontinuous light up to 240 meters with a single end feed
- o Connection for accessories (PLUG IN KIT) in each joint
- o Dimmable (DALI)



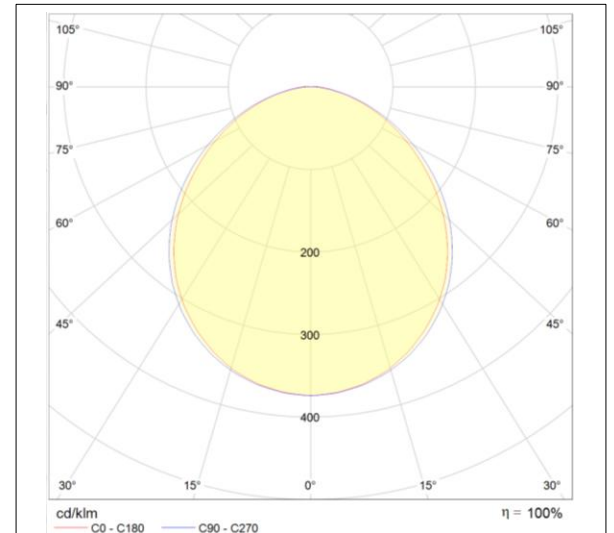
APPLICATIONS

- o Shopping centres
- o Offices
- o Training centres
- o Railway stations
- o Sport centres
- o Industrial lighting

ENERGY EFFICIENCY INDEX*



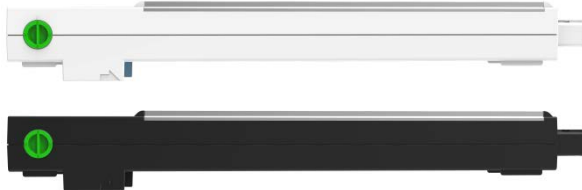
POLAR DIAGRAM



TYPE OF JOINT

PHASE SELECTOR GREEN

JD-XJ050002



JD-XJ050502

System	3 Meters		2 Meters	
		S3D		S2D
Colour temperature(°K)	3000K	4000K	3000K	4000K
White RAL 9003 Ref. N°	ZT3S3350	ZT3S4350	ZT2S3350	ZT2S4350
Black RAL 9005 Ref. N°	ZT3S3355	ZT3S4355	ZT2S3355	ZT2S4355
LEDS output (Lm)	15000	15700	9000	9900
Light efficiency - Output (Lm/w)	143	150	143	150
Total luminous flux of the system (Lm)	13136	13749	7882	8302
Light efficiency – Total (Lm/w)	114	119	114	120
CRI Typical (R _a)	85			
Power - Total (W)	115,5		69,3	
Luminous flux maintenance at 55.000Hrs. 25°C	L80			
Failure rate at 55.000Hrs.	B10			
Weight of luminaries (Kg)	3,37		2,07	
Installed system weight (Kg/m)	1,59		1,88	

STRAIGHT LENGTHS: SMD 300 Systems

Opal dark diffuser

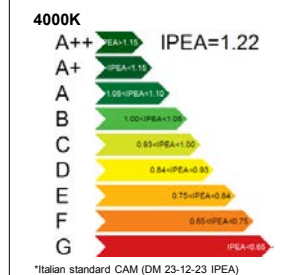
- o 300 SMD LED's in 3 meter length
- o PC diffuser that hides the LEDs
- o High performance LED's
- o 3 Phase + N + PE + DALI + Emergency
- o External phase selector
- o Continuous light up to 120 meters (42 units) with a single end feed
- o Discontinuous light up to 240 meters with a single end feed
- o Connection for accessories (PLUG IN KIT) in each joint
- o Dimmable (DALI)



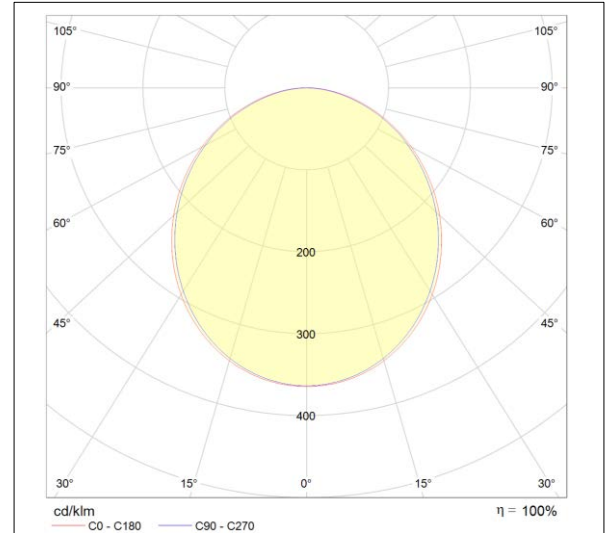
APPLICATIONS

- o Shopping centres
- o Offices
- o Training centres
- o Railway stations
- o Sport centres
- o Industrial lighting

ENERGY EFFICIENCY INDEX*



POLAR DIAGRAM



TYPE OF JOINT

PHASE SELECTOR GREEN

JD-XJ050002



JD-XJ050502



System	3 Meters		2 Meters	
	S30	S30	S20	S20
Colour temperature(°K)	3000K	4000K	3000K	4000K
White RAL 9003 Ref. N°	ZT3S3320	ZT3S4320	ZT2S3320	ZT2S4320
Black RAL 9005 Ref. N°	ZT3S3325	ZT3S4325	ZT2S3325	ZT2S4325
LEDS output (Lm)	15000	15700	9000	9420
Light efficiency - Output (Lm/w)	143	150	143	150
Total luminous flux of the system (Lm)	10993	11506	6596	7016
Light efficiency – Total (Lm/w)	95	100	95	101
CRI Typical (R _a)	85			
Power - Total (W)	115,5		69,3	
Luminous flux maintenance at 55.000Hrs. 25°C			L80	
Failure rate at 55.000Hrs.			B10	
Weight of luminaries (Kg)	3,37		2,07	
Installed system weight (Kg/m)	1,59		1,88	

STRAIGHT LENGTHS: SMD 300 Systems

Prism diffuser

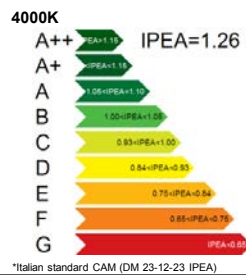
- o 300 SMD LED's in 3 meter length
- o PC micro-prism diffuser to prevent glare
- o High performance LED's
- o 3 Phase + N + PE + DALI + Emergency
- o External phase selector
- o Continuous light up to 120 meters (42 units) with a single end feed
- o Discontinuous light up to 240 meters with a single end feed
- o Connection for accessories (PLUG IN KIT) in each joint
- o Dimmable (DALI)



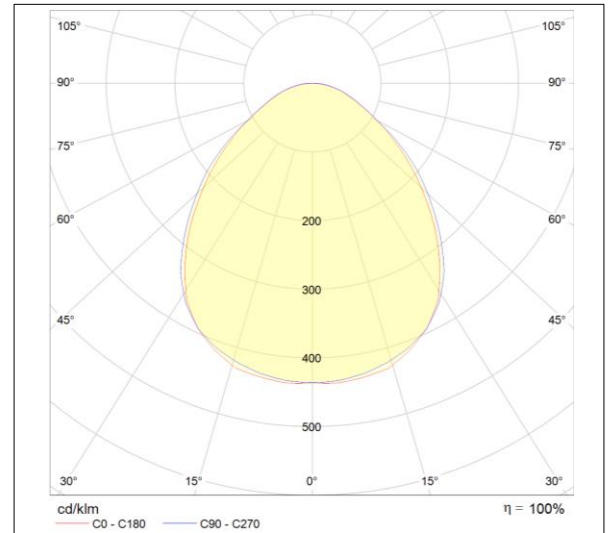
APPLICATIONS

- o Shopping centres
- o Offices
- o Training centres
- o Railway stations
- o Sport centres
- o Industrial lighting

ENERGY EFFICIENCY INDEX*



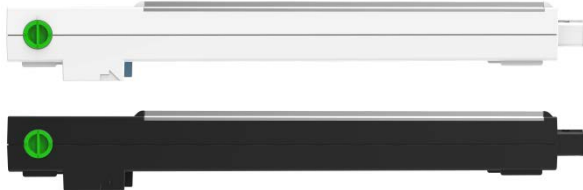
POLAR DIAGRAM



TYPE OF JOINT

PHASE SELECTOR GREEN

JD-XJ050002



JD-XJ050502

System	3 Meters		2 Meters	
		S3P		S2P
Colour temperature(°K)	3000K	4000K	3000K	4000K
White RAL 9003 Ref. N°	ZT3S3380	ZT3S4380	ZT2S3380	ZT2S4380
Black RAL 9005 Ref. N°	ZT3S3385	ZT3S4385	ZT2S3385	ZT2S4385
LEDS output (Lm)	15000	15700	9000	9420
Light efficiency - Output (Lm/w)	143	150	143	150
Total luminous flux of the system (Lm)	11247	11772	6748	7168
Light efficiency – Total (Lm/w)	97	102	97	103
CRI Typical (R _a)	85			
Power - Total (W)	115,5		69,3	
Luminous flux maintenance at 55.000Hrs. 25°C	L80			
Failure rate at 55.000Hrs.	B10			
Weight of luminaries (Kg)	3,59		2,20	
Installed system weight (Kg/m)	1,67		1,95	

STRAIGHT LENGTHS: SMD 300 Systems

Wide photometry

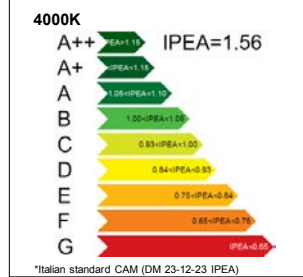
- o 300 SMD LED's in 3 meter length
- o Wide angle PMMA optics
- o High performance LED's
- o 3 Phase + N + PE + DALI + Emergency
- o External phase selector
- o Continuous light up to 120 meters (42 units) with a single end feed
- o Discontinuous light up to 240 meters with a single end feed
- o Connection for accessories (PLUG IN KIT) in each joint
- o Dimmable (DALI)



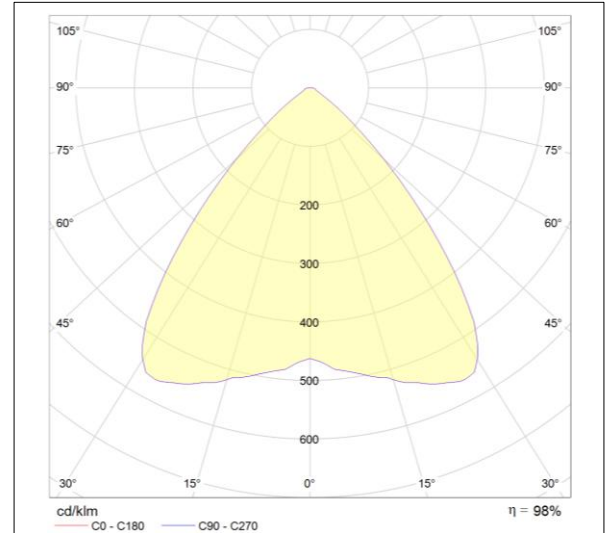
APPLICATIONS

- o Shopping centres
- o Offices
- o Training centres
- o Railway stations
- o Sport centres
- o Industrial lighting

ENERGY EFFICIENCY INDEX*



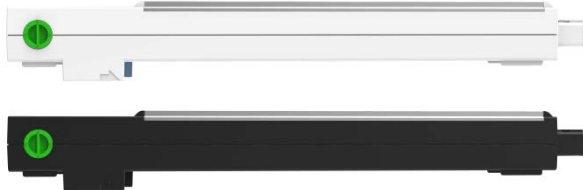
POLAR DIAGRAM



TYPE OF JOINT

PHASE SELECTOR GREEN

JD-XJ050002



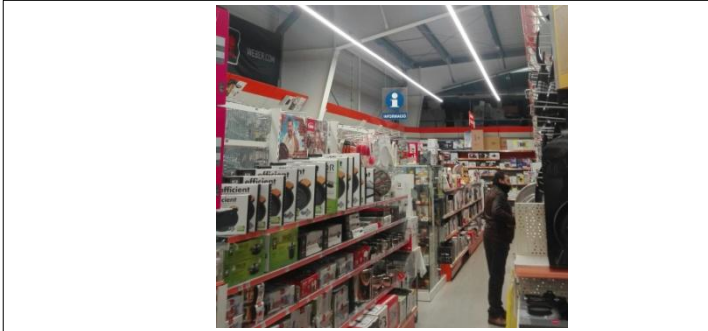
JD-XJ050502

System	3 Meters		2 Meters	
	S3W	S3W	S2W	S2W
Colour temperature(°K)	3000K	4000K	3000K	4000K
White RAL 9003 Ref. N°	ZT3S33W0	ZT3S43W0	ZT2S33W0	ZT2S43W0
Black RAL 9005 Ref. N°	ZT3S33W5	ZT3S43W5	ZT2S33W5	ZT2S43W5
LEDS output (Lm)	15000	15700	9000	9420
Light efficiency - Output (Lm/w)	143	150	143	150
Total luminous flux of the system (Lm)	14250	14915	8550	8970
Light efficiency – Total (Lm/w)	123	129	123	129
CRI Typical (R _a)	85			
Power - Total (W)	115,5		69,3	
Luminous flux maintenance at 55.000Hrs. 25°C	L80			
Failure rate at 55.000Hrs.	B10			
Weight of luminaries (Kg)	3,59		2,20	
Installed system weight (Kg/m)	1,67		1,95	

STRAIGHT LENGTHS: SMD 300 Systems

Narrow photometry

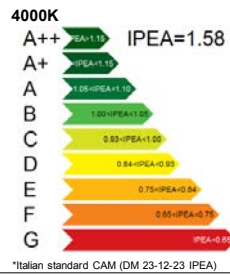
- o 300 SMD LED's in 3 meter length
- o High efficiency PMMA optics for high ceilings
- o High performance LED's
- o 3 Phase + N + PE + DALI + Emergency
- o External phase selector
- o Continuous light up to 120 meters (42 units) with a single end feed
- o Discontinuous light up to 240 meters with a single end feed
- o Connection for accessories (PLUG IN KIT) in each joint
- o Dimmable (DALI)



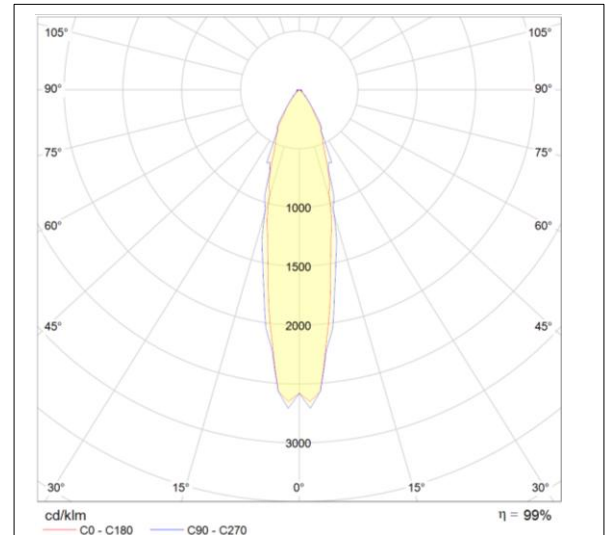
APPLICATIONS

- o Factories
- o High-rise stores
- o Conference rooms
- o Railway stations
- o Sport centres
- o Industrial lighting

ENERGY EFFICIENCY INDEX*



POLAR DIAGRAM



TYPE OF JOINT

PHASE SELECTOR GREEN

JD-XJ050002



JD-XJ050502

System	3 Meters		2 Meters	
		S3N		S2N
Colour temperature(°K)	3000K	4000K	3000K	4000K
White RAL 9003 Ref. N°	ZT3S33N0	ZT3S43N0	ZT2S33N0	ZT2S43N0
Black RAL 9005 Ref. N°	ZT3S33N5	ZT3S43N5	ZT2S33N5	ZT2S43N5
LEDS output (Lm)	15000	15700	9000	9420
Light efficiency - Output (Lm/w)	143	150	143	150
Total luminous flux of the system (Lm)	14250	14915	8550	8970
Light efficiency – Total (Lm/w)	123	129	123	129
CRI Typical (R _a)	85			
Power - Total (W)	115,5		69,3	
Luminous flux maintenance at 55.000Hrs. 25°C	L80			
Failure rate at 55.000Hrs.	B10			
Weight of luminaries (Kg)	3,48		2,13	
Installed system weight (Kg/m)	1,63		1,92	

STRAIGHT LENGTHS: SMD 300 Systems

Drop photometry

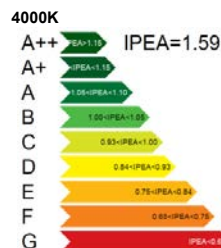
- o 300 SMD LED's in 3 meter length
- o High efficiency PMMA optics for central linear lighting
- o High performance LED's
- o 3 Phase + N + PE + DALI + Emergency
- o External phase selector
- o Continuous light up to 120 meters (42 units) with a single end feed
- o Discontinuous light up to 240 meters with a single end feed
- o Connection for accessories (PLUG IN KIT) in each joint
- o Dimmable (DALI)



APPLICATIONS

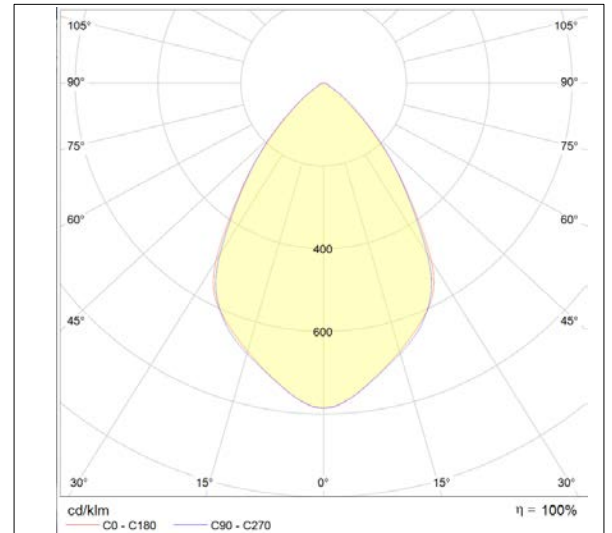
- o Shopping centres
- o Offices
- o Training centres
- o Railway stations
- o Sport centres
- o Industrial lighting

ENERGY EFFICIENCY INDEX*



*Italian standard CAM (DM 23-12-23 IEPEA)

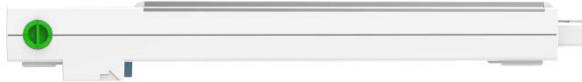
POLAR DIAGRAM



TYPE OF JOINT

PHASE SELECTOR GREEN

JD-XJ050002



JD-XJ050502



System	3 Meters		2 Meters	
	S3G	S3G	S2G	S2G
Colour temperature(°K)	3000K	4000K	3000K	4000K
White RAL 9003 Ref. N°	ZT3S33G0	ZT3S43G0	ZT2S33G0	ZT2S43G0
Black RAL 9005 Ref. N°	ZT3S33G5	ZT3S43G5	ZT2S33G5	ZT2S43G5
LEDS output (Lm)	15000	15700	9000	9420
Light efficiency - Output (Lm/w)	143	150	143	150
Total luminous flux of the system (Lm)	14250	14915	8550	8970
Light efficiency – Total (Lm/w)	123	129	123	129
CRI Typical (R _a)	85			
Power - Total (W)	115,5		69,3	
Luminous flux maintenance at 55.000Hrs. 25°C	L80			
Failure rate at 55.000Hrs.	B10			
Weight of luminaries (Kg)	3,48		2,13	
Installed system weight (Kg/m)	1,63		1,92	

STRAIGHT LENGTHS: SMD 300 Systems

Batwing photometry

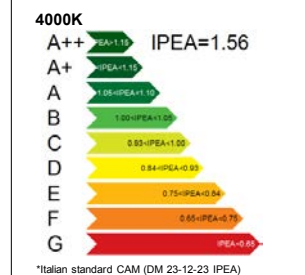
- o 300 SMD LED's in 3 meter length
- o High efficiency PMMA optics for retail shelves
- o High performance LED's
- o 3 Phase + N + PE + DALI + Emergency
- o External phase selector
- o Continuous light up to 120 meters (42 units) with a single end feed
- o Discontinuous light up to 240 meters with a single end feed
- o Connection for accessories (PLUG IN KIT) in each joint
- o Dimmable (DALI)



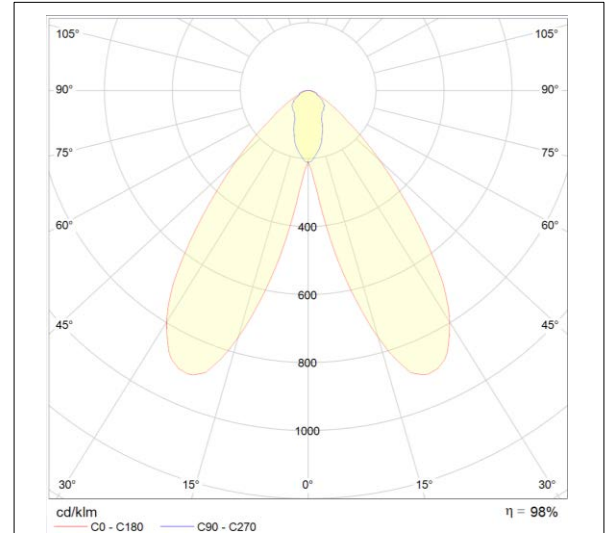
APPLICATIONS

- o Supermarkets
- o Retail

ENERGY EFFICIENCY INDEX*



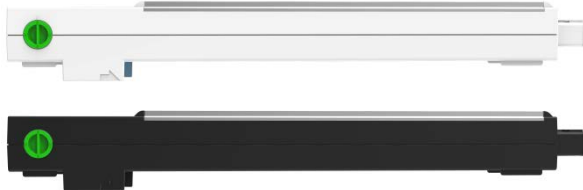
POLAR DIAGRAM



TYPE OF JOINT

PHASE SELECTOR GREEN

JD-XJ050002



JD-XJ050502

System	3 Meters		2 Meters	
		S3S		S2S
Colour temperature(°K)	3000K	4000K	3000K	4000K
White RAL 9003 Ref. N°	ZT3S33S0	ZT3S43S0	ZT2S33S0	ZT2S43S0
Black RAL 9005 Ref. N°	ZT3S33S5	ZT3S43S5	ZT2S33S5	ZT2S43S5
LEDS output (Lm)	15000	15700	9000	9900
Light efficiency - Output (Lm/w)	143	150	143	150
Total luminous flux of the system (Lm)	14250	14915	8550	8970
Light efficiency – Total (Lm/w)	123	129	123	129
CRI Typical (Ra)	85			
Power - Total (W)	115,5		69,3	
Luminous flux maintenance at 55.000Hrs. 25°C	L80			
Failure rate at 55.000Hrs.	B10			
Weight of luminaries (Kg)	3,58		2,20	
Installed system weight (Kg/m)	1,67		1,95	

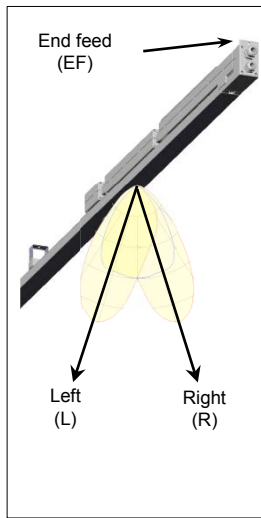
STRAIGHT LENGTHS: SMD 300 Systems

Asymmetric photometry

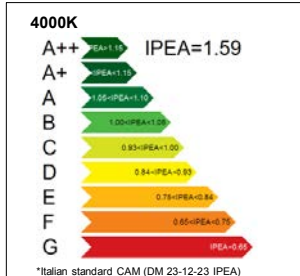
- o 300 SMD LED's in 3 meter length
- o High efficiency PMMA optics for side light
- o High performance LED's
- o 3 Phase + N + PE + DALI + Emergency
- o External phase selector
- o Continuous light up to 120 meters (42 units) with a single end feed
- o Discontinuous light up to 240 meters with a single end feed
- o Connection for accessories (PLUG IN KIT) in each joint
- o Dimmable (DALI)



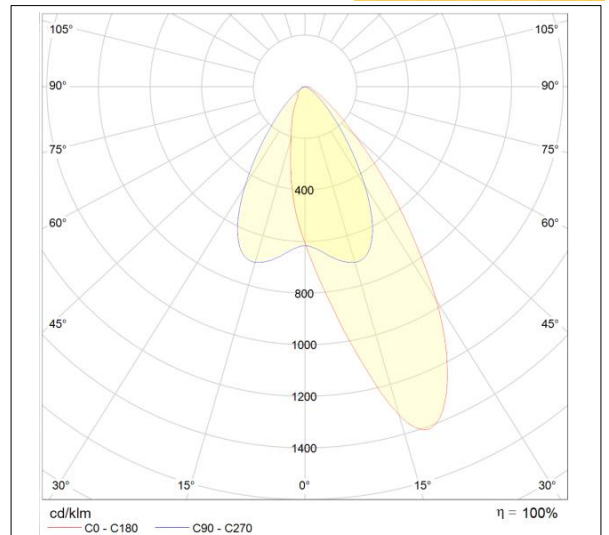
INSTALLATION POSITION



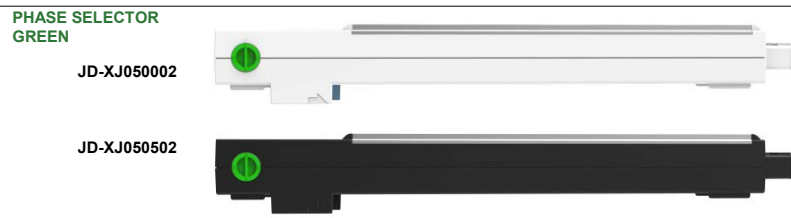
ENERGY EFFICIENCY INDEX*



POLAR DIAGRAM



TYPE OF JOINT



System	3 Meters	S3A (L-R)	2 Meters	S2A (L-R)
Colour temperature (°K)	4000K		4000K	
White RAL 9003 Ref. N° (Right) - R	ZT3S33A0		ZT2S43A0	
Black RAL 9005 Ref. N° (Right) - R	ZT3S33A5		ZT2S43A5	
White RAL 9003 Ref. N° (Left) - L	ZT3S33A1		ZT2S43A1	
Black RAL 9005 Ref. N° (Left) - L	ZT3S33A6		ZT2S43A6	
LEDS output (Lm)	15700		9420	
Light efficiency - Output (Lm/w)	150		150	
Total luminous flux of the system (Lm)	14915		8970	
Light efficiency – Total (Lm/w)	129		129	
CRI Typical (R _a)	85			
Power - Total (W)	115,5		69,3	
Luminous flux maintenance at 55.000Hrs. 25°C	L80			
Failure rate at 55.000Hrs.	B10			
Weight of luminaries (Kg)	3,58		2,20	
Installed system weight (Kg/m)	1,67		1,95	

STRAIGHT LENGTHS: SMD 150 Systems

Transparent diffuser

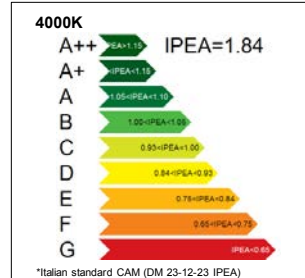
- o 150 SMD LED's in 3 meter length
- o High efficiency PC diffuser
- o High performance LED's
- o 3 Phase + N + PE + DALI + Emergency
- o External phase selector
- o Continuous light up to 157 meters (55 units) with a single end feed
- o Discontinuous light up to 314 meters with a single end feed
- o Connection for accessories (PLUG IN KIT) in each joint
- o Dimmable (DALI)



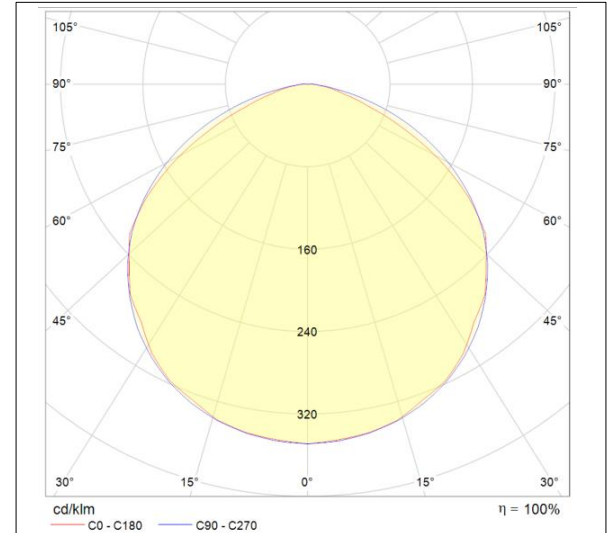
APPLICATIONS

- o Shopping centres
- o Offices
- o Training centres
- o Railway stations
- o Sport centres
- o Industrial lighting

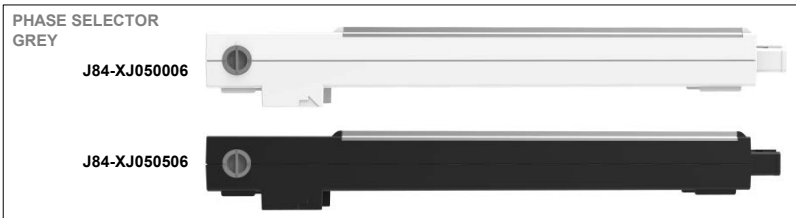
ENERGY EFFICIENCY INDEX*



POLAR DIAGRAM



TYPE OF JOINT

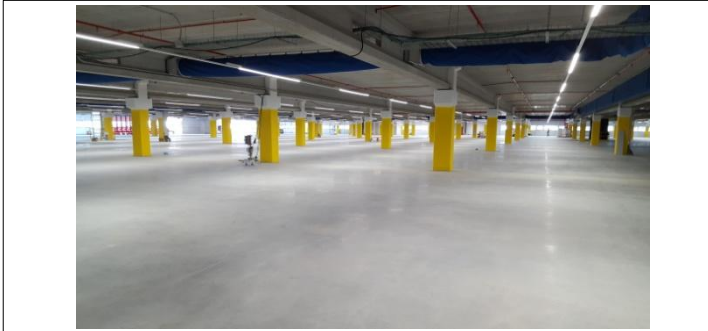


System	3 Meters		2 Meters	
		F3T		F2T
Colour temperature(°K)	3000K	4000K	3000K	4000K
White RAL 9003 Ref. N°	ZT3F3340	ZT3F4340	ZT2F3340	ZT2F4340
Black RAL 9005 Ref. N°	ZT3F3345	ZT3F4345	ZT2F3345	ZT2F4345
LEDS output (Lm)	8850	9300	5310	5580
Light efficiency - Output (Lm/w)	138	145	138	145
Total luminous flux of the system (Lm)	8050	8460	4830	5100
Light efficiency – Total (Lm/w)	114	120	114	121
CRI Typical (R _a)	85			
Power - Total (W)	70,4		42,2	
Luminous flux maintenance at 55.000Hrs. 25°C			L80	
Failure rate at 55.000Hrs.			B10	
Weight of luminaries (Kg)	3,37		2,07	
Installed system weight (Kg/m)	1,59		1,88	

STRAIGHT LENGTHS: SMD 150 Systems

Opal light diffuser

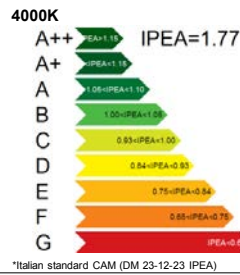
- o 150 SMD LED's in 3 meter length
- o Reduced glare PC diffuser
- o High performance LED's
- o 3 Phase + N + PE + DALI + Emergency
- o External phase selector
- o Continuous light up to 157 meters (55 units) with a single end feed
- o Discontinuous light up to 314 meters with a single end feed
- o Connection for accessories (PLUG IN KIT) in each joint
- o Dimmable (DALI)



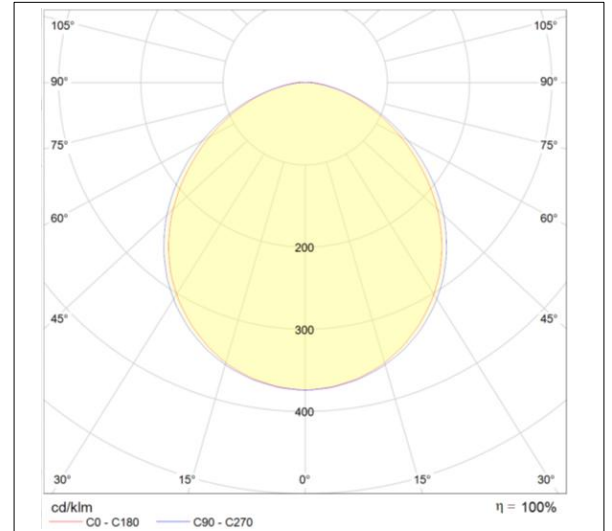
APPLICATIONS

- o Shopping centres
- o Offices
- o Training centres
- o Railway stations
- o Sport centres
- o Industrial lighting

ENERGY EFFICIENCY INDEX*



POLAR DIAGRAM



TYPE OF JOINT

**PHASE SELECTOR
GREY**

J84-XJ050006



J84-XJ050506

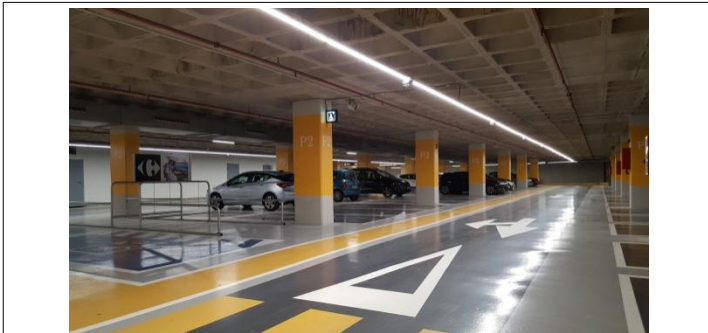


System	3 Meters		2 Meters	
		F3D		F2D
Colour temperature(°K)	3000K	4000K	3000K	4000K
White RAL 9003 Ref. N°	ZT3F3350	ZT3F4350	ZT2F3350	ZT2F4350
Black RAL 9005 Ref. N°	ZT3F3355	ZT3F4355	ZT2F3355	ZT2F4355
LEDS output (Lm)	8850	9300	5310	5580
Light efficiency - Output (Lm/w)	138	145	138	145
Total luminous flux of the system (Lm)	7750	8144	4650	4920
Light efficiency – Total (Lm/w)	110	116	110	116
CRI Typical (Ra)	85			
Power - Total (W)	70,4		42,2	
Luminous flux maintenance at 55.000Hrs. 25°C	L80			
Failure rate at 55.000Hrs.	B10			
Weight of luminaries (Kg)	3,37		2,07	
Installed system weight (Kg/m)	1,59		1,88	

STRAIGHT LENGTHS: SMD 150 Systems

Opal dark diffuser

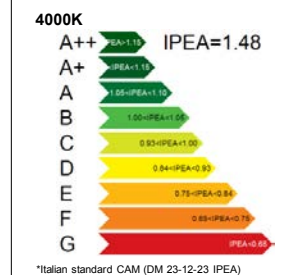
- o 150 SMD LED's in 3 meter length
- o PC diffuser that hides the LED's
- o High performance LED's
- o 3 Phase + N + PE + DALI + Emergency
- o External phase selector
- o Continuous light up to 157 meters (55 units) with a single end feed
- o Discontinuous light up to 314 meters with a single end feed
- o Connection for accessories (PLUG IN KIT) in each joint
- o Dimmable (DALI)



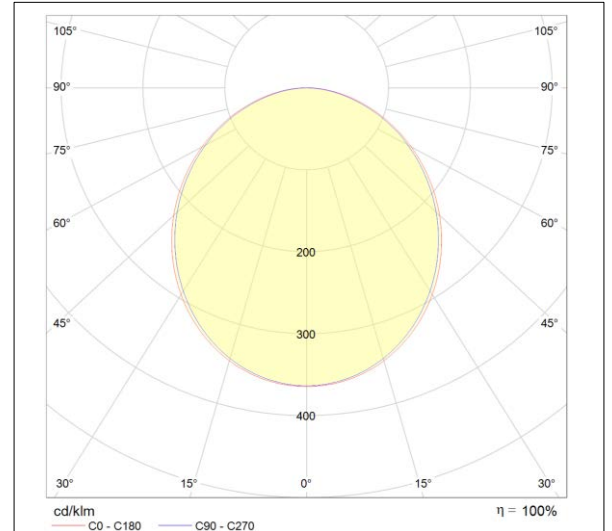
APPLICATIONS

- o Shopping centres
- o Offices
- o Training centres
- o Railway stations
- o Sport centres
- o Industrial lighting

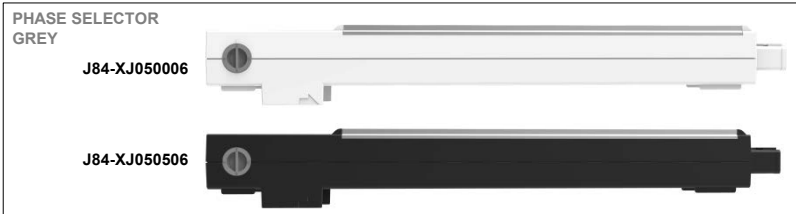
ENERGY EFFICIENCY INDEX*



POLAR DIAGRAM



TYPE OF JOINT



System	3 Meters		2 Meters	
	F30	F30	F20	F20
Colour temperature(°K)	3000K	4000K	3000K	4000K
White RAL 9003 Ref. N°	ZT3F3320	ZT3F4320	ZT2F3320	ZT2F4320
Black RAL 9005 Ref. N°	ZT3F3325	ZT3F4325	ZT2F3325	ZT2F4325
LEDS output (Lm)	8850	9300	5310	5580
Light efficiency - Output (Lm/w)	138	145	138	145
Total luminous flux of the system (Lm)	6486	6816	3892	4162
Light efficiency – Total (Lm/w)	92	97	92	99
CRI Typical (R _a)	85			
Power - Total (W)	70,4		42,2	
Luminous flux maintenance at 55.000Hrs. 25°C			L80	
Failure rate at 55.000Hrs.			B10	
Weight of luminaries (Kg)	3,37		2,07	
Installed system weight (Kg/m)	1,59		1,88	

STRAIGHT LENGTHS: SMD 150 Systems

Prism diffuser

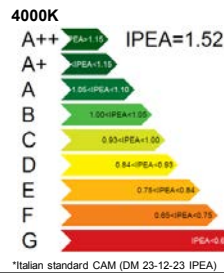
- o 150 SMD LED's in 3 meter length
- o PC micro-prism diffuser to prevent glare
- o High performance LED's
- o 3 Phase + N + PE + DALI + Emergency
- o External phase selector
- o Continuous light up to 157 meters (55 units) with a single end feed
- o Discontinuous light up to 314 meters with a single end feed
- o Connection for accessories (PLUG IN KIT) in each joint
- o Dimmable (DALI)



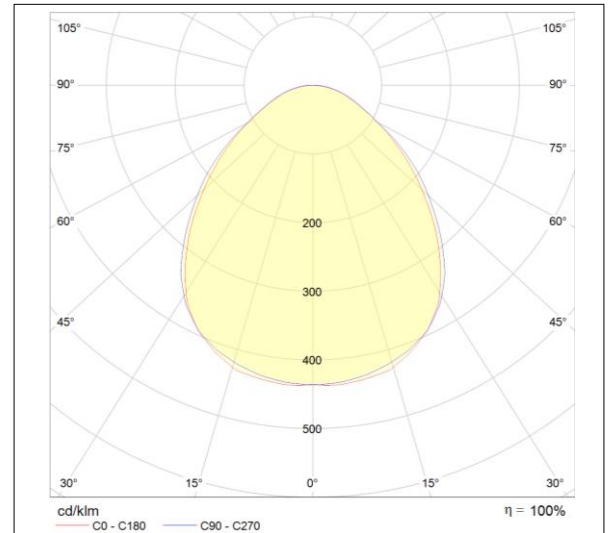
APPLICATIONS

- o Shopping centres
- o Offices
- o Training centres
- o Railway stations
- o Sport centres
- o Industrial lighting

ENERGY EFFICIENCY INDEX*



POLAR DIAGRAM



TYPE OF JOINT

PHASE SELECTOR
GREY

J84-XJ050006



J84-XJ050506

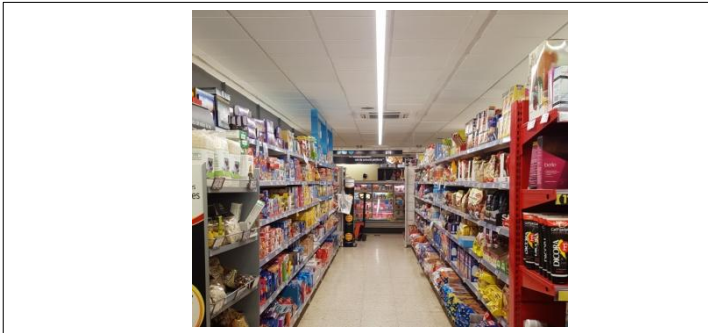


System	3 Meters		2 Meters	
		F3P		F2P
Colour temperature(°K)	3000K	4000K	3000K	4000K
White RAL 9003 Ref. N°	ZT3F3380	ZT3F4380	ZT2F3380	ZT2F4380
Black RAL 9005 Ref. N°	ZT3F3385	ZT3F4385	ZT2F3385	ZT2F4385
LEDS output (Lm)	8850	9300	5310	5580
Light efficiency - Output (Lm/w)	138	145	138	145
Total luminous flux of the system (Lm)	6636	6973	3981	4251
Light efficiency – Total (Lm/w)	94	99	94	101
CRI Typical (R _a)	85			
Power - Total (W)	70,4		42,2	
Luminous flux maintenance at 55.000Hrs. 25°C			L80	
Failure rate at 55.000Hrs.			B10	
Weight of luminaries (Kg)	3,59		2,20	
Installed system weight (Kg/m)	1,67		1,95	

STRAIGHT LENGTHS: SMD 150 Systems

Wide photometry

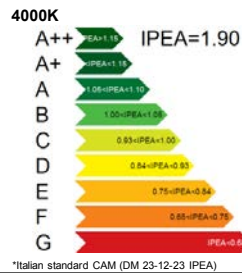
- o 150 SMD LED's in 3 meter length
- o Wide angle PMMA optics
- o High performance LED's
- o 3 Phase + N + PE + DALI + Emergency
- o External phase selector
- o Continuous light up to 157 meters (55 units) with a single end feed
- o Discontinuous light up to 314 meters with a single end feed
- o Connection for accessories (PLUG IN KIT) in each joint
- o Dimmable (DALI)



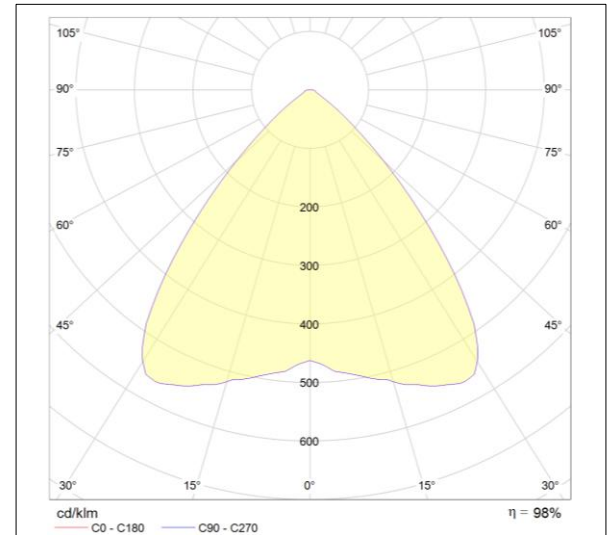
APPLICATIONS

- o Shopping centres
- o Offices
- o Training centres
- o Railway stations
- o Sport centres
- o Industrial lighting

ENERGY EFFICIENCY INDEX*



POLAR DIAGRAM



TYPE OF JOINT

**PHASE SELECTOR
GREY**

J84-XJ050006



J84-XJ050506



System	3 Meters		2 Meters	
		F3W	F2W	
Colour temperature(°K)	3000K	4000K	3000K	4000K
White RAL 9003 Ref. N°	ZT3F33W0	ZT3F43W0	ZT2F33W0	ZT2F43W0
Black RAL 9005 Ref. N°	ZT3F33W5	ZT3F43W5	ZT2F33W5	ZT2F43W5
LEDS output (Lm)	8850	9300	5310	5580
Light efficiency - Output (Lm/w)	138	145	138	145
Total luminous flux of the system (Lm)	8408	8835	5045	5315
Light efficiency – Total (Lm/w)	119	125	119	126
CRI Typical (R _a)	85			
Power - Total (W)	70,4		42,2	
Luminous flux maintenance at 55.000Hrs. 25°C	L80		B10	
Failure rate at 55.000Hrs.	B10			
Weight of luminaries (Kg)	3,59		2,20	
Installed system weight (Kg/m)	1,67		1,95	

STRAIGHT LENGTHS: SMD 150 Systems

Narrow photometry

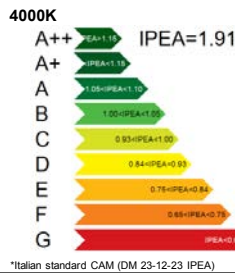
- o 150 SMD LED's in 3 meter length
- o High efficiency PMMA optics for high ceilings
- o High performance LED's
- o 3 Phase + N + PE + DALI + Emergency
- o External phase selector
- o Continuous light up to 157 meters (55 units) with a single end feed
- o Discontinuous light up to 314 meters with a single end feed
- o Connection for accessories (PLUG IN KIT) in each joint
- o Dimmable (DALI)



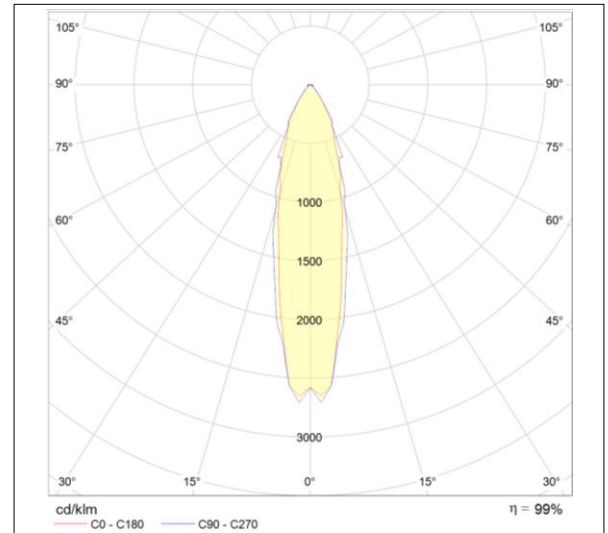
APPLICATIONS

- o Factories
- o High-rise stores
- o Conference rooms
- o Railway stations
- o Sport centres
- o Industrial lighting

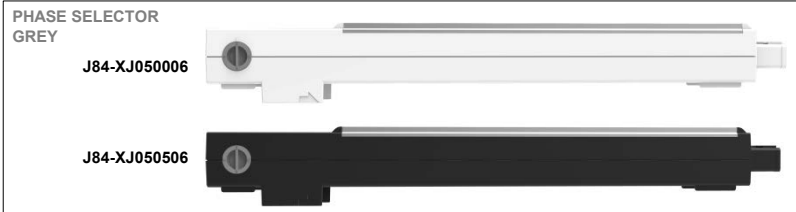
ENERGY EFFICIENCY INDEX*



POLAR DIAGRAM



TYPE OF JOINT



System	3 Meters		2 Meters	
	F3N	F3N	F2N	F2N
Colour temperature(°K)	3000K	4000K	3000K	4000K
White RAL 9003 Ref. N°	ZT3F33N0	ZT3F43N0	ZT2F33N0	ZT2F43N0
Black RAL 9005 Ref. N°	ZT3F33N5	ZT3F43N5	ZT2F33N5	ZT2F43N5
LEDS output (Lm)	8850	9300	5310	5580
Light efficiency - Output (Lm/w)	138	145	138	145
Total luminous flux of the system (Lm)	8408	8835	5045	5315
Light efficiency – Total (Lm/w)	119	125	119	126
CRI Typical (R _a)	85			
Power - Total (W)	70,4		42,2	
Luminous flux maintenance at 55.000Hrs. 25°C			L80	
Failure rate at 55.000Hrs.			B10	
Weight of luminaries (Kg)	3,48		2,13	
Installed system weight (Kg/m)	1,63		1,92	

STRAIGHT LENGTHS: SMD 150 Systems

Drop photometry

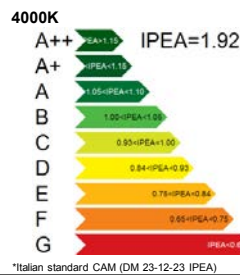
- o 150 SMD LED's in 3 meter length
- o High efficiency PMMA optics for central linear lighting
- o High performance LED's
- o 3 Phase + N + PE + DALI + Emergency
- o External phase selector
- o Continuous light up to 157 meters (55 units) with a single end feed
- o Discontinuous light up to 314 meters with a single end feed
- o Connection for accessories (PLUG IN KIT) in each joint
- o Dimmable (DALI)



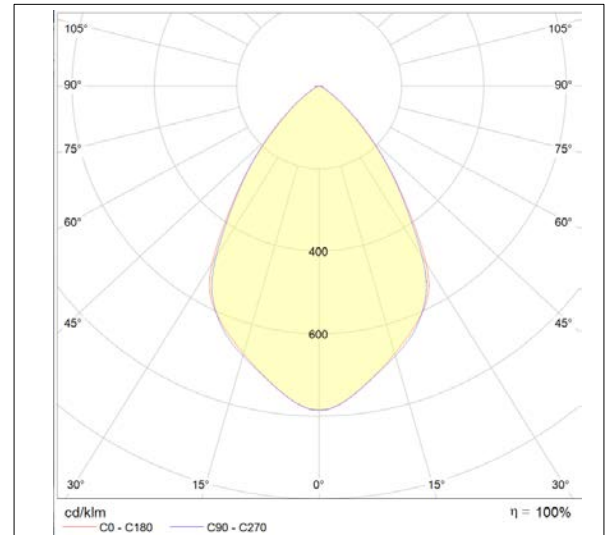
APPLICATIONS

- o Shopping centres
- o Offices
- o Training centres
- o Railway stations
- o Sport centres
- o Industrial lighting

ENERGY EFFICIENCY INDEX*



POLAR DIAGRAM



TYPE OF JOINT

PHASE SELECTOR
 GREY

J84-XJ050006



J84-XJ050506



System	3 Meters		2 Meters	
		F3G		F2G
Colour temperature(°K)	3000K	4000K	3000K	4000K
White RAL 9003 Ref. N°	ZT3F33G0	ZT3F43G0	ZT2F33G0	ZT2F43G0
Black RAL 9005 Ref. N°	ZT3F33G5	ZT3F43G5	ZT2F33G5	ZT2F43G5
LEDS output (Lm)	8850	9300	5310	5580
Light efficiency - Output (Lm/w)	138	145	138	145
Total luminous flux of the system (Lm)	8408	8835	5045	5315
Light efficiency – Total (Lm/w)	119	125	119	126
CRI Typical (R _a)	85			
Power - Total (W)	70,4		42,2	
Luminous flux maintenance at 55.000Hrs. 25°C			L80	
Failure rate at 55.000Hrs.			B10	
Weight of luminaries (Kg)	3,48		2,13	
Installed system weight (Kg/m)	1,63		1,92	

STRAIGHT LENGTHS: SMD 150 Systems

Batwing photometry

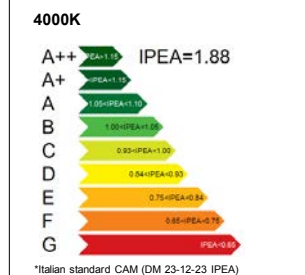
- o 150 SMD LED's in 3 meter length
- o High efficiency PMMA optics for retail shelves
- o High performance LED's
- o 3 Phase + N + PE + DALI + Emergency
- o External phase selector
- o Continuous light up to 157 meters (55 units) with a single end feed
- o Discontinuous light up to 314 meters with a single end feed
- o Connection for accessories (PLUG IN KIT) in each joint
- o Dimmable (DALI)



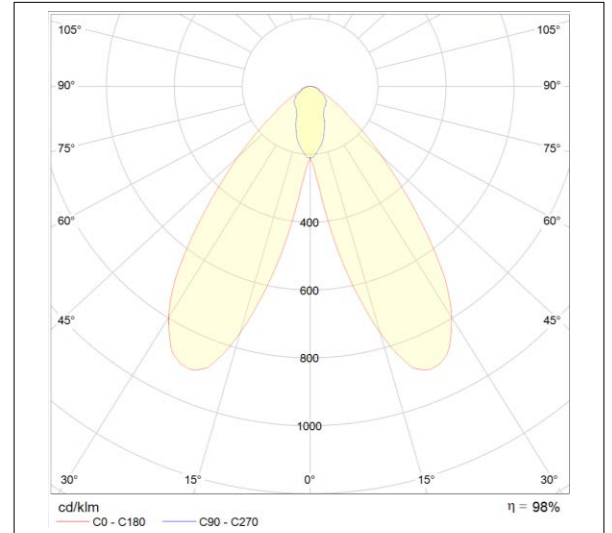
APPLICATIONS

- o Supermarkets
- o Retail

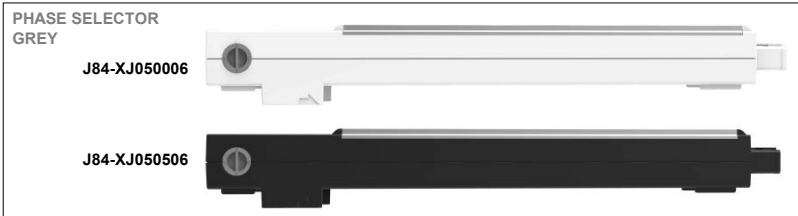
ENERGY EFFICIENCY INDEX*



POLAR DIAGRAM



TYPE OF JOINT



System	3 Meters		2 Meters	
	F3S	F3S	F2S	F2S
Colour temperature(°K)	3000K	4000K	3000K	4000K
White RAL 9003 Ref. N°	ZT3F33S0	ZT3F43S0	ZT2F33S0	ZT2F43S0
Black RAL 9005 Ref. N°	ZT3F33S5	ZT3F43S5	ZT2F33S5	ZT2F43S5
LEDS output (Lm)	8850	9300	5310	5580
Light efficiency - Output (Lm/w)	138	145	138	145
Total luminous flux of the system (Lm)	8408	8835	5045	5315
Light efficiency – Total (Lm/w)	119	125	119	126
CRI Typical (R _a)	85			
Power - Total (W)	70,4		42,2	
Luminous flux maintenance at 55.000Hrs. 25°C			L80	
Failure rate at 55.000Hrs.			B10	
Weight of luminaries (Kg)	3,58		2,20	
Installed system weight (Kg/m)	1,67		1,95	

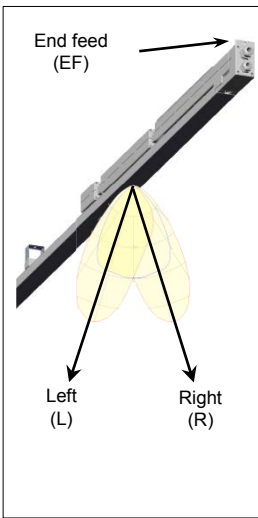
STRAIGHT LENGTHS: SMD 150 Systems

Asymmetric photometry

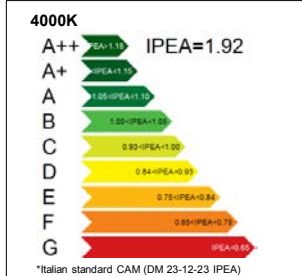
- o 150 SMD LED's in 3 meter length
- o High efficiency PMMA optics for side light
- o High performance LED's
- o 3 Phase + N + PE + DALI + Emergency
- o External phase selector
- o Continuous light up to 157 meters (55 units) with a single end feed
- o Discontinuous light up to 314 meters with a single end feed
- o Connection for accessories (PLUG IN KIT) in each joint
- o Dimmable (DALI)



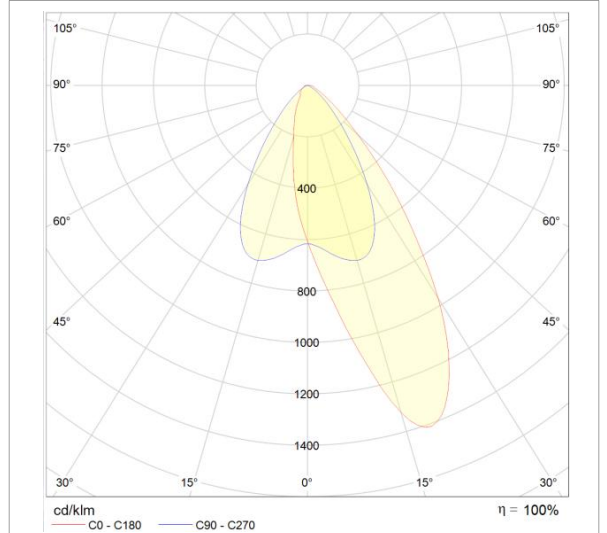
INSTALLATION POSITION



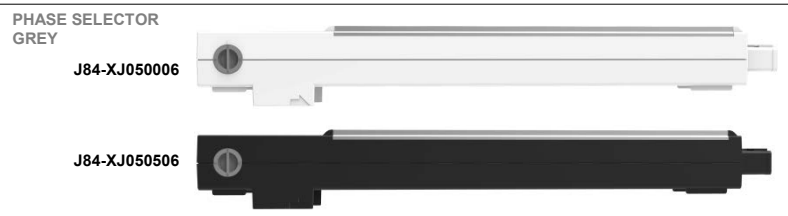
ENERGY EFFICIENCY INDEX*



POLAR DIAGRAM



TYPE OF JOINT



System	3 Meters	F3A (L-R)	2 Meters	F2A (L-R)
Colour temperature (°K)	4000K		4000K	
White RAL 9003 Ref. N° (Right) - R	ZT3F33A0		ZT2F33A0	
Black RAL 9005 Ref. N° (Right) - R	ZT3F33A5		ZT2F33A5	
White RAL 9003 Ref. N° (Left) - L	ZT3F33A1		ZT2F43A1	
Black RAL 9005 Ref. N° (Left) - L	ZT3F33A2		ZT2F43A2	
LEDS output (Lm)	9300		5580	
Light efficiency - Output (Lm/w)	145		145	
Total luminous flux of the system (Lm)	8835		5315	
Light efficiency – Total (Lm/w)	125		126	
CRI Typical (R _a)	85			
Power - Total (W)	70,4		42,2	
Luminous flux maintenance at 55.000Hrs. 25°C	L80			
Failure rate at 55.000Hrs.	B10			
Weight of luminaries (Kg)	3,58		2,20	
Installed system weight (Kg/m)	1,67		1,95	

STRAIGHT LENGTHS

Blind element

- To use in combination with the other systems (Blind and track elements)
- Continuity of the 3 phases + N + PE + DALI + Emergency
- Up to 394 meters with a single end feed
- Connection for accessories (PLUG IN KIT) in each joint



System	3 Meters	2 Meters
White RAL 9003 Ref. N°	ZT300330	ZT200330
Black RAL 9005 Ref. N°	ZT300335	ZT200335
Reference standard joint white trunking	JM – XT010001	JM – XT010001
Reference standard joint black trunking	JM – XT010501	JM – XT010501
Weight of element (Kg)	2,81	1,70
Weight of installed system (Kg/m)	1,23	1,39

Optional joint for connecting accesories

BLIND JOINT FOR ACCESORIES	WHITE RAL 9003	BLACK RAL 9005
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PHASE SELECTOR
WHITE

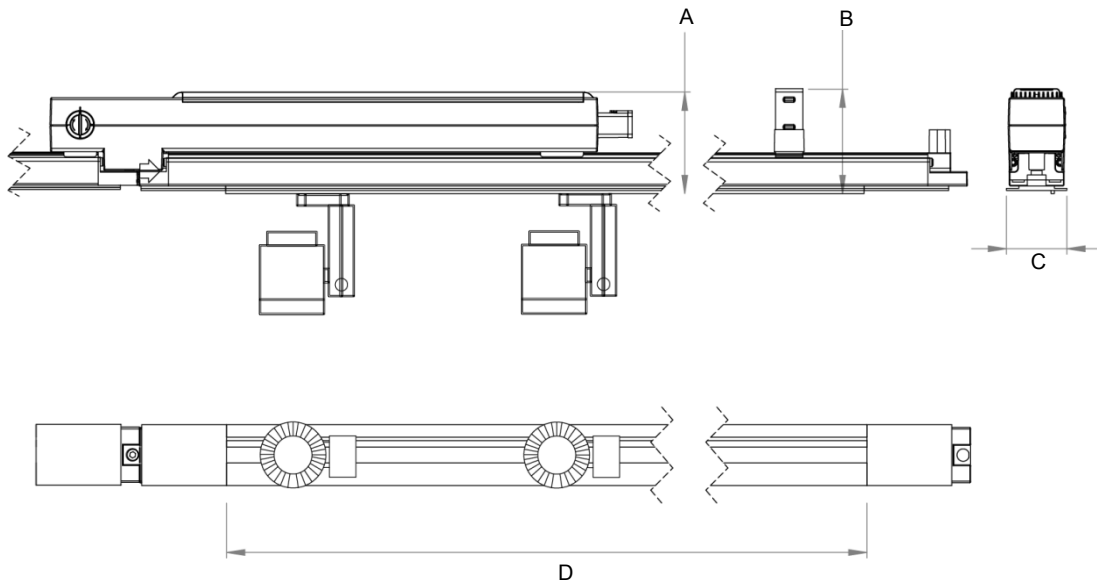


Reference	JB – XJ050032	JB - XJ050532
Weight (Kg)	0,64	0,64

STRAIGHT LENGTHS

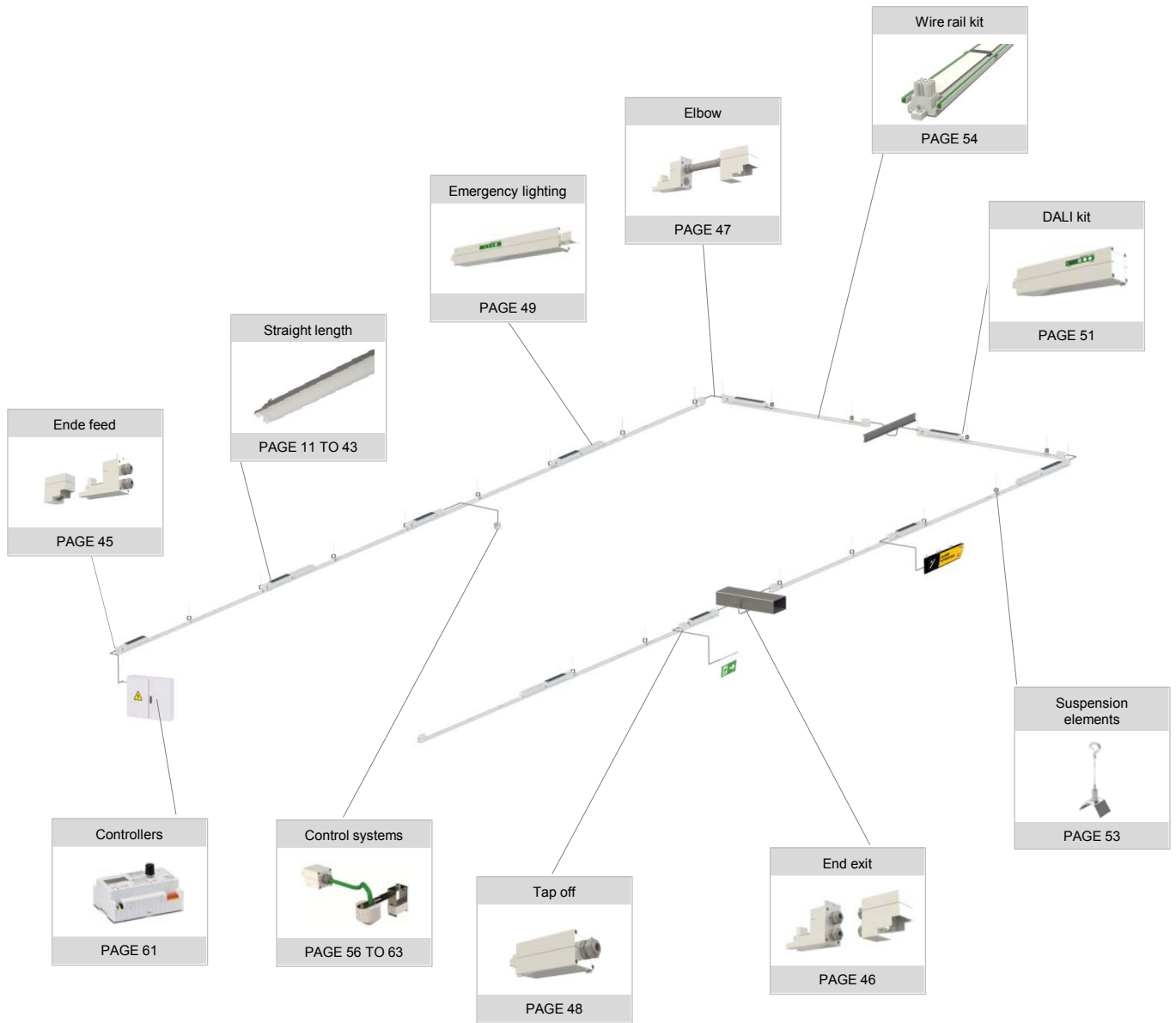
Track system

- o Standard track system for projectors
- o To use in combination with other systems (Lighting and blind elements)
- o Continuity of the 3 phases+ N + PE + DALI + Emergency
- o Up to 120 meters with a single end feed
- o Connection of accessories (PLUG IN KIT) in each joint
- o Available a wide range of projectors
- o Degree of protection IP20



Dimensions in mm	A	B	C	D
C3C – (3 Meters)	89	92	55	2000
C2C – (2 Meters)				1537

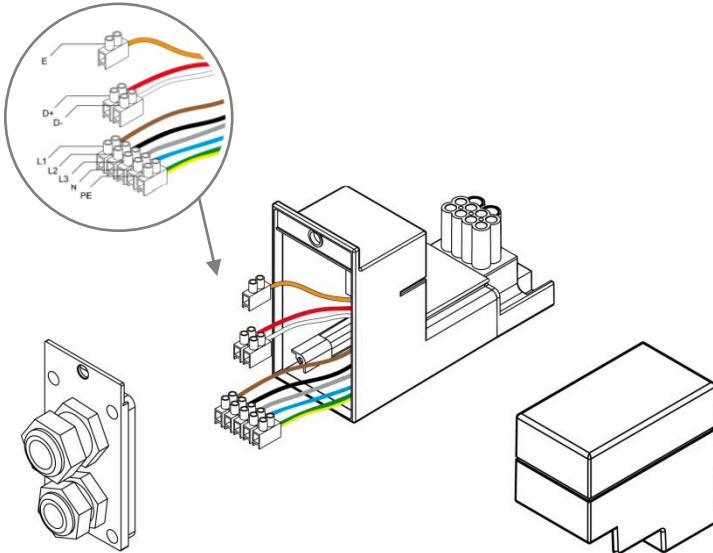
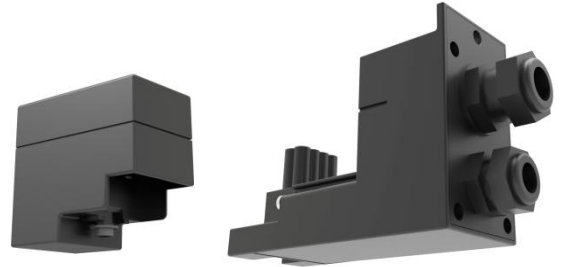
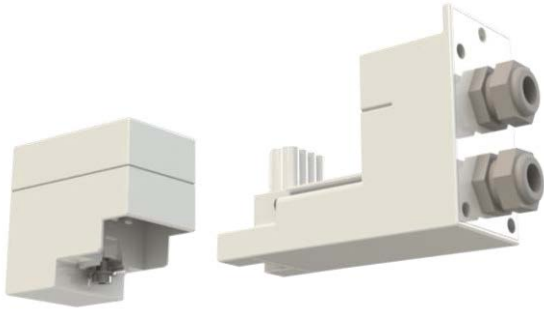
System	3 Meters C3C	2 Meters C2C
Track colour	White RAL 9003	
Ref N°	ZT300370	ZT200370
Maximum weight of projectors (Kg)	15	12
Maximum number of projectors (N°)	5	4
Maximum power of projectors (watts)	127	76
Weight of element (Kg)	5,62	3,04
Installed system weight (Kg/m)	2,46	2,78



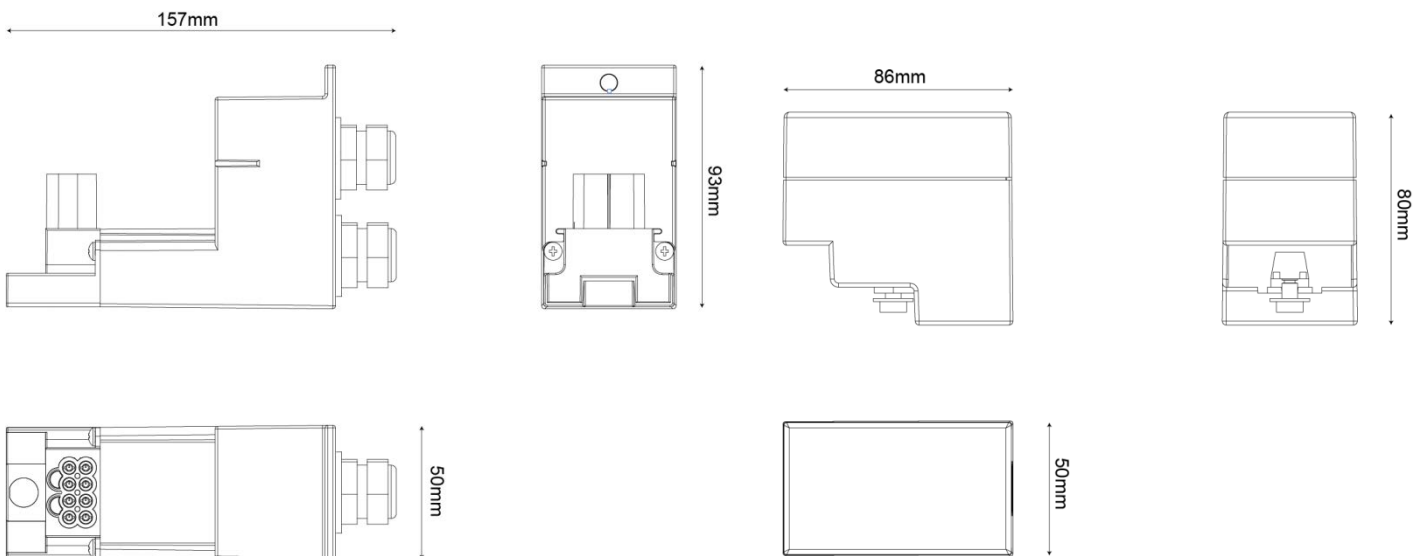
LINK ELEMENTS

End feed

- Universal end feed for all systems
- Terminal blocks for all wires included
- Gland included
- Up to 16 Amp. With a single end feed



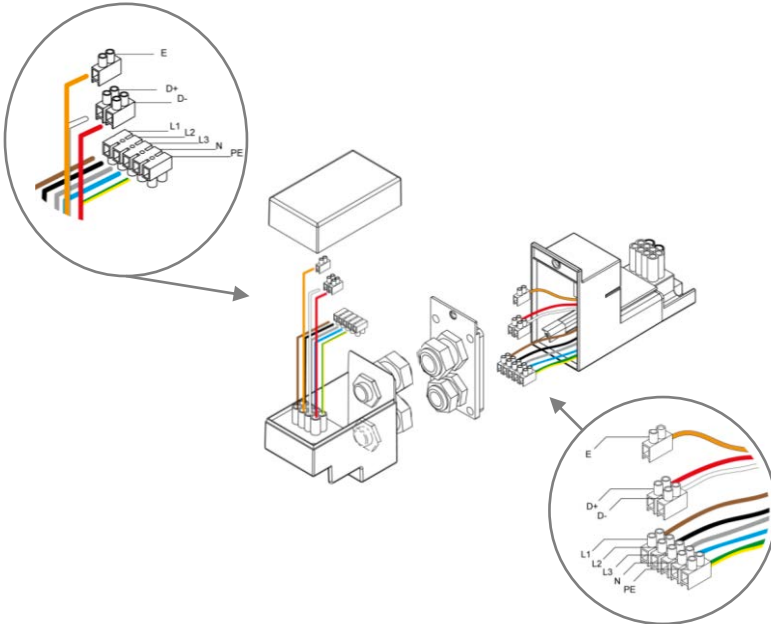
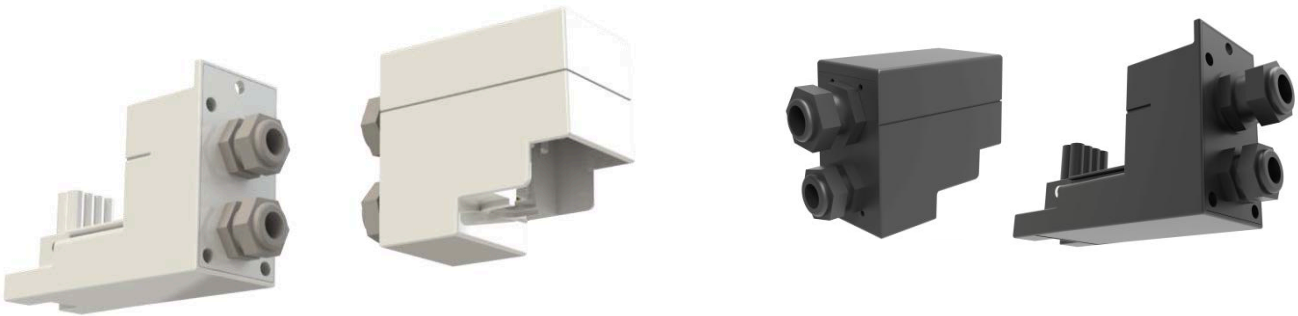
Component	EF
White RAL 9003 Ref. N°	ZE000002
Black RAL 9005 Ref. N°	ZE000005
Section of conductors (L1 - L2 - L3 - N)	2,5 mm ²
Section of emergency conductor	2,5 mm ²
Section of DALI conductors	1,5 mm ²
Maximum current	16 Amp.
Maximum 3 meter COB 450 systems	40 unid.
Maximum 3 meter SMD 150 HB systems	38 unid.
Maximum 3 meter SMD 300 systems	42 unid.
Maximum 3 meter SMD 200 systems	47 unid.
Maximum 3 meter SMD 150 systems	55 unid.
Maximum 3 meter SMD 100 systems	69 unid.
Weight of end feed + End cap	300 gr.



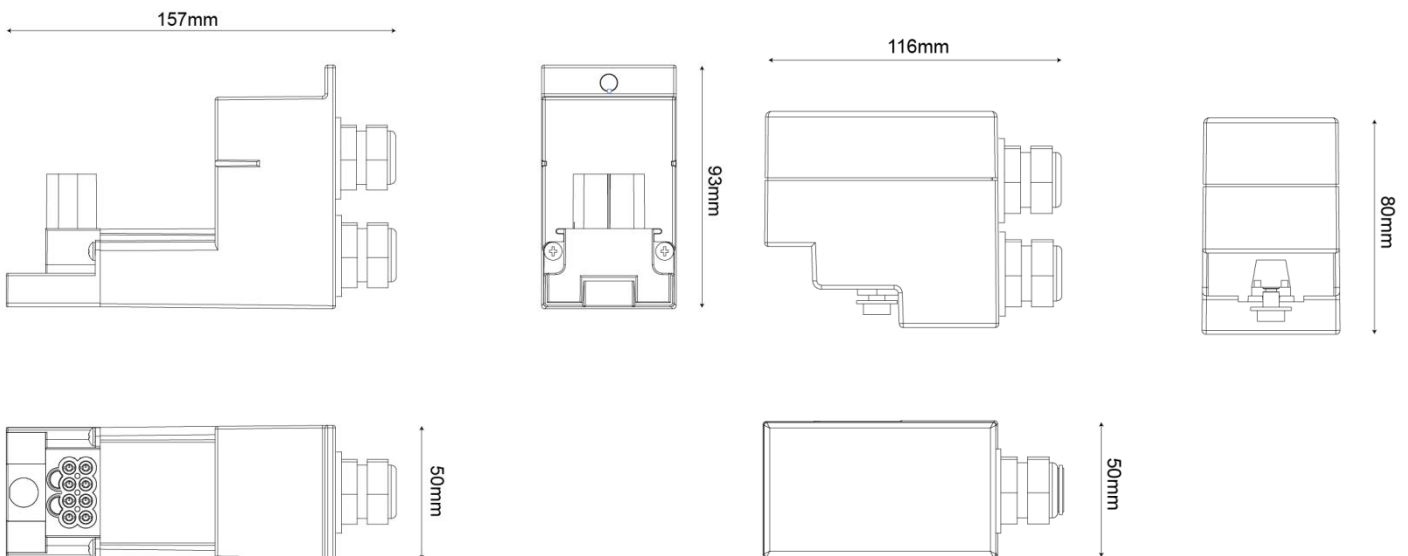
LINK ELEMENTS

End exit

- Allows interconnect two lines of L3D
- Terminal blocks for connection included
- Gland included
- No limit on the distance between the lines to be joined
- To preserve the continuity of the system, it is necessary to connect all wiring



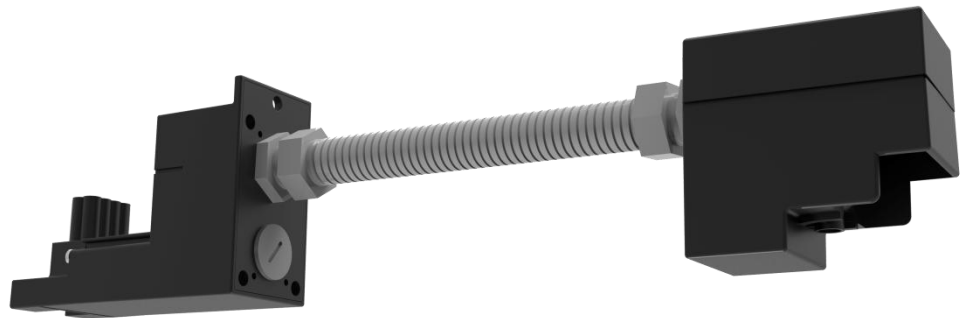
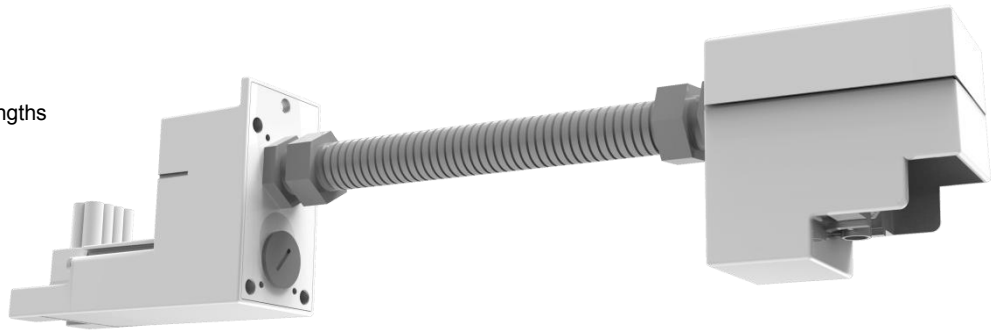
Component	EE
White RAL 9003 Ref. N°	ZE000102
Black RAL 9005 Ref. N°	ZE000105
Section of conductors (L1 - L2 - L3 - N)	2,5 mm ²
Section of emergency conductor	2,5 mm ²
Section of DALI conductors	1,5 mm ²
Maximum current	16 Amp.
Maximum 3 meter COB 450 systems	40 units
Maximum 3 meter SMD 150 HB systems	38 units
Maximum 3 meter SMD 300 systems	42 units
Maximum 3 meter SMD 200 systems	47 units
Maximum 3 meter SMD 150 systems	55 units
Maximum 3 meter SMD 100 systems	69 units
Weight of end feed + End cap	358 gr.



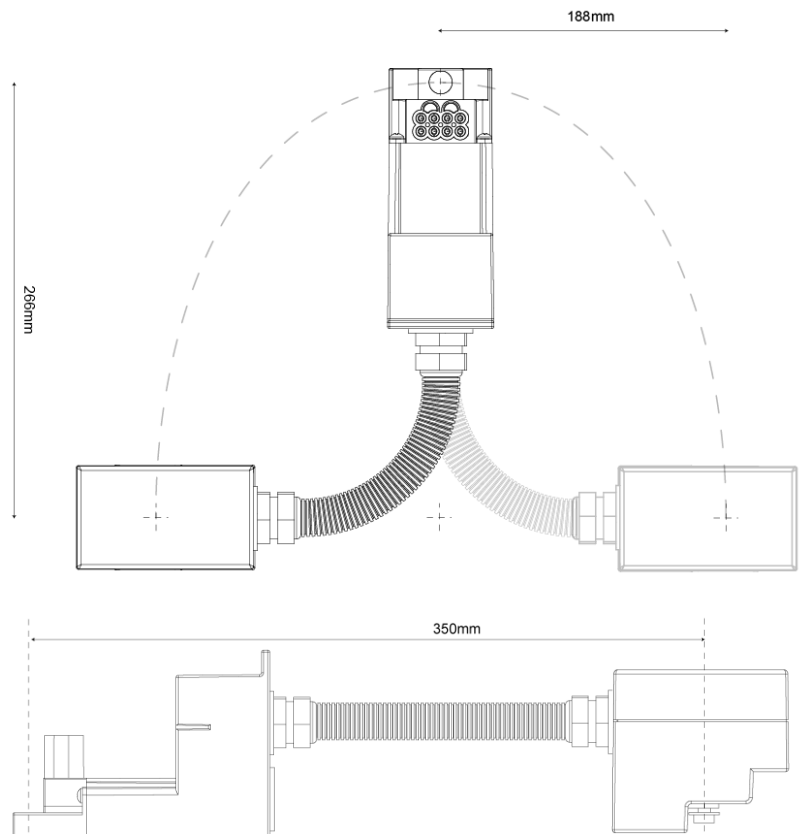
LINK ELEMENTS

Elbow

- Flexible element for connecting straight lengths
- Allows change of direction in any angle
- It maintains all the wiring of the line



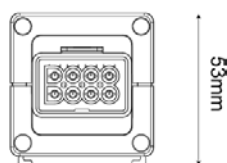
Component	EE03
White RAL 9003 Ref. N°	ZE030002
Black RAL 9005 Ref. N°	ZE030005
Distance between edges	350 mm
Weight	318 gr.



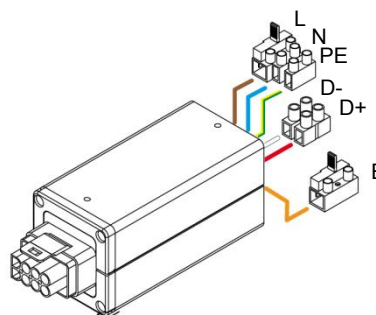
ACCESSORIES

Tap-off

- It allows to derive current up to 1 Amp. of the selected phase at the joint
- Through the emergency wire, can be connected lights or signs
- The emergency wire shares the neutral
- Both the phase and the emergency conductor, have a 1 Amp fuse.
- It Includes DALI bus wiring to connect light or movement sensors



Component	KP
White RAL 9003 Ref. N°	ZK010002
Black RAL 9005 Ref. N°	ZK010005
Maximum current available (L)	1 Amp.
Maximum current available (Emergency)	1 Amp.
Section of conductors (L+N+PE)	2,5 mm ²
Section of emergency conductor	2,5 mm ²
Section of DALI conductors	1,5 mm ²
Weight	120 gr.



ACCESSORIES

Emergency kit

- Connecting the accessory to any luminaire, this becomes into emergency light
- The battery is charged via the emergency wiring
- When a fault is detected on the mains, the luminary lights
- The system automatically performs the complete cycle test once a year
- The device allows to connect other components from the back side
- Pressing a button it can perform a device test
- The light distribution is the same as offered by each optic or diffuser

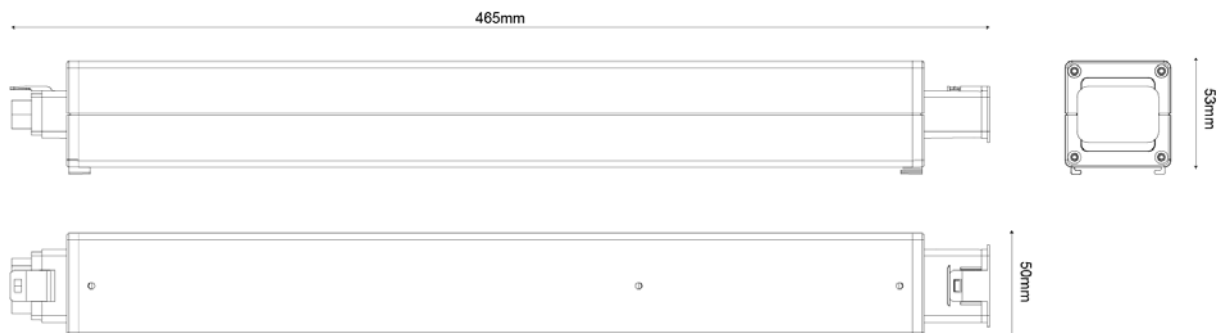


Assembling



Component	KE
White RAL 9003 Ref. N°	ZK039602
Black RAL 9005 Ref. N°	ZK039605
Code IEC 60589-2-22	X 3 A**E *60
Autonomy	60 - 90 min.
Connection time after mains cut down	2,8 sec.
Degree of protection	IP 42
Charger and system control	220-240 VAC 60-60 Hz
Energy supply	Wiring of Canaled L3D
Type of installation	Connected to L3D system
Type of battery	Not replaceable
Enclosure material	Polycarbonate – self-extinguishing
Type status indicators	LED (2 green – 1 red)
Operative indicators	ON – Battery charging – Battery charged - malfunction
Weight	990 gr.

Dimensions



Emergency lighting

Performance by system

60 Minutes autonomy

4000K

System	3 Meters	Optic / Diffuser	Lumen*
COB 450	C3T	Transparent	1409
	C3D	Opal light	1357
	C3O	Opal dark	1136
	C3P	Prism	1162
SMD 150HB	G3T	Transparent	1578
	G3D	Opal light	1519
	G3O	Opal dark	1271
	G3P	Prism	1300
	G3W	Wide photometry	1648
	G3N	Narrow photometry	1648
	G3G	Drop photometry	1648
	G3S	Batwing photometry	1648
	G3A	Asymmetric photometry	1648
SMD 300	S3T	Transparent	1428
	S3D	Opal light	1374
	S3O	Opal dark	1150
	S3P	Prism	1177
	S3W	Wide photometry	1491
	S3N	Narrow photometry	1491
	S3G	Drop photometry	1491
	S3S	Batwing photometry	1491
	S3A	Asymmetric photometry	1491
SMD 200	M3T	Transparent	1073
	M3D	Opal light	1033
	M3O	Opal dark	864
	M3P	Prism	884
SMD 150	F3T	Transparent	846
	F3D	Opal light	814
	F3O	Opal dark	681
	F3P	Prism	697
	F3W	Wide photometry	883
	F3N	Narrow photometry	883
	F3G	Drop photometry	883
	F3S	Batwing photometry	883
	F3A	Asymmetric photometry	883
SMD 100	D3T	Transparent	536
	D3D	Opal light	516
	D3O	Opal dark	432
	D3P	Prism	442

* Preliminary information

90 Minutes autonomy

4000K

System	2 Meters	Optic / Diffuser	Lumen*
COB 450	C2T	Transparent	845
	C2D	Opal light	814
	C2O	Opal dark	681
	C2P	Prism	697
SMD 150HB	G2T	Transparent	897
	G2D	Opal light	864
	G2O	Opal dark	723
	G2P	Prism	740
	G2W	Wide photometry	937
	G2N	Narrow photometry	937
	G2G	Drop photometry	937
	G2S	Batwing photometry	937
	G2A	Asymmetric photometry	991
SMD 300	S2T	Transparent	860
	S2D	Opal light	830
	S2O	Opal dark	701
	S2P	Prism	716
	S2W	Wide photometry	897
	S2N	Narrow photometry	897
	S2G	Drop photometry	897
	S2S	Batwing photometry	897
	S2A	Asymmetric photometry	897
SMD 200	M2T	Transparent	644
	M2D	Opal light	620
	M2O	Opal dark	518
	M2P	Prism	530
SMD 150	F2T	Transparent	510
	F2D	Opal light	492
	F2O	Opal dark	416
	F2P	Prism	425
	F2W	Wide photometry	531
	F2N	Narrow photometry	531
	F2G	Drop photometry	531
	F2S	Batwing photometry	531
	F2A	Asymmetric photometry	531
SMD 100	D2T	Transparent	322
	D2D	Opal light	310
	D2O	Opal dark	259
	D2P	Prism	265

* Preliminary information

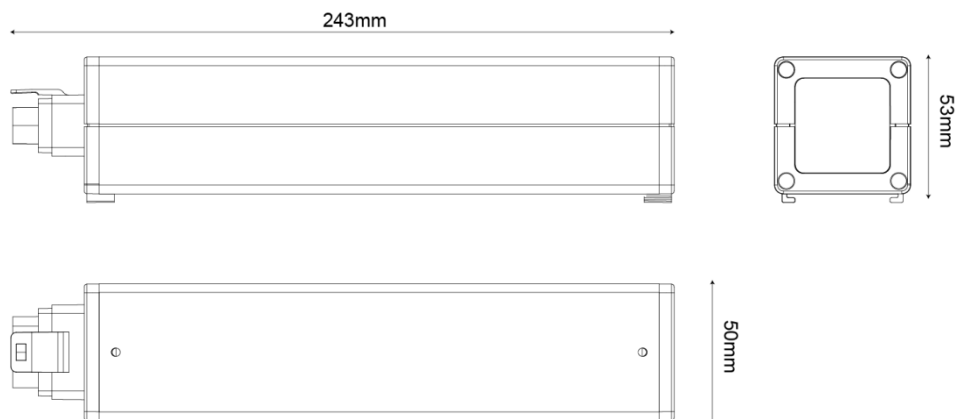
ACCESSORIES

Light adjustment

- "Plug and play" device
- Adjust the light level of an entire L3D line
- It connects to any joint of the system
- The desired light level is controlled by the external keyboard
- Once memorized the desired light level, the device is disconnected and the installation keeps the light level even after power outages
- The light level can be adjusted as often as desired



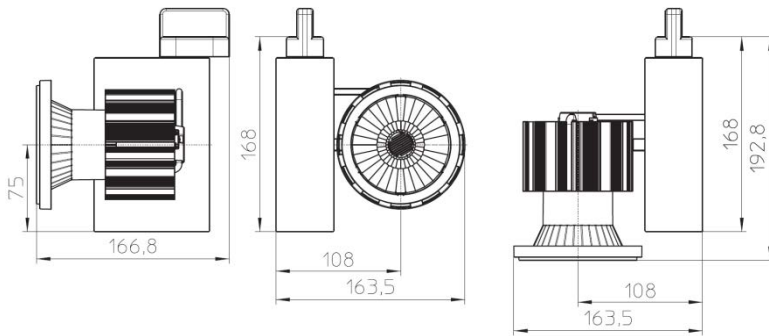
Component	KD
Reference	ZK020602
Adjustable lighting range	3% - 100%
Number of possible regulations	Indeterminate
Communication protocol	DALI
Weight	212 Gr.



ACCESORIES

Projectors for track system

- o Panasonic COB LED's
- o Three different power: 2000, 3000 y 4000 Lm
- o Three opening angles: 16°, 24° y 36°
- o High efficiency: A+
- o Different colour temperatures and light specifications for food areas
- o Degree of protection: IP 20
- o Lumen maintenance: L90/B10



	Photometry	Intensity (Lux)												
16°		<table border="1"> <thead> <tr> <th></th> <th>max. lx</th> <th>typ. lx</th> </tr> </thead> <tbody> <tr> <td>1 m</td> <td>7485</td> <td>5305</td> </tr> <tr> <td>2 m</td> <td>1871</td> <td>1326</td> </tr> <tr> <td>3 m</td> <td>831</td> <td>589</td> </tr> </tbody> </table>		max. lx	typ. lx	1 m	7485	5305	2 m	1871	1326	3 m	831	589
	max. lx	typ. lx												
1 m	7485	5305												
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24°		<table border="1"> <thead> <tr> <th></th> <th>max. lx</th> <th>typ. lx</th> </tr> </thead> <tbody> <tr> <td>1 m</td> <td>4515</td> <td>3576</td> </tr> <tr> <td>2 m</td> <td>1128</td> <td>894</td> </tr> <tr> <td>3 m</td> <td>502</td> <td>397</td> </tr> </tbody> </table>		max. lx	typ. lx	1 m	4515	3576	2 m	1128	894	3 m	502	397
	max. lx	typ. lx												
1 m	4515	3576												
2 m	1128	894												
3 m	502	397												
36°		<table border="1"> <thead> <tr> <th></th> <th>max. lx</th> <th>typ. lx</th> </tr> </thead> <tbody> <tr> <td>1 m</td> <td>2950</td> <td>1941</td> </tr> <tr> <td>2 m</td> <td>738</td> <td>485</td> </tr> <tr> <td>3 m</td> <td>328</td> <td>216</td> </tr> </tbody> </table>		max. lx	typ. lx	1 m	2950	1941	2 m	738	485	3 m	328	216
	max. lx	typ. lx												
1 m	2950	1941												
2 m	738	485												
3 m	328	216												

Projector 2.000 Lumen	Power (W)	Lumen	Reference 16°	Reference 24°	Reference 36°
3000°K CRI 85	19,76	2.055	ZF203016	ZF203024	ZF203036
4000°K CRI 85	19,76	2.175	ZF204016	ZF204024	ZF204036
Pearl white CRI 95 – (Clothes)	20,48	2.030	ZF200216	ZF200224	ZF200236
Food "White effect" (Meat)	34,94	2.285	ZF200116	ZF200124	ZF200136
Food "Calid white" (Bread, Seafood)	34,94	2.515	ZF200316	ZF200324	ZF200336
Food "Neutral white" (Fish)	34,94	2.630	ZF200016	ZF200024	ZF200036

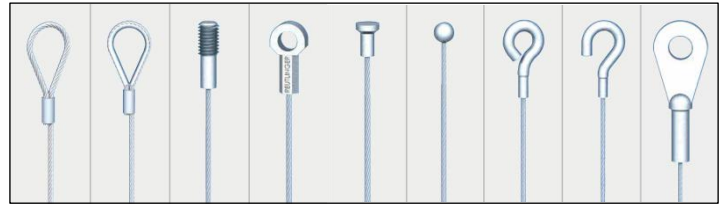
Projector 3.000 Lumen	Power (W)	Lumen	Reference 16°	Reference 24°	Reference 36°
3000°K CRI 85	27,98	3.165	ZF303016	ZF303024	ZF303036
4000°K CRI 85	27,98	3.350	ZF304016	ZF304024	ZF304036
Pearl white CRI 95 – (Clothes)	34,94	3.340	ZF300216	ZF300224	ZF300236

Projector 4.000 Lumen	Power (W)	Lumen	Reference 16°	Reference 24°	Reference 36°
3000°K CRI 85	34,94	3.930	ZF403016	ZF403024	ZF403036
4000°K CRI 85	34,94	4.140	ZF404016	ZF404024	ZF404036


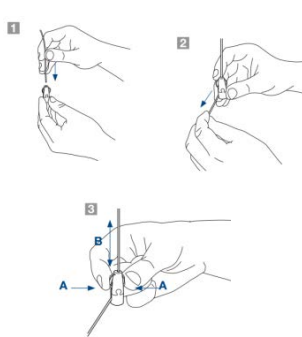

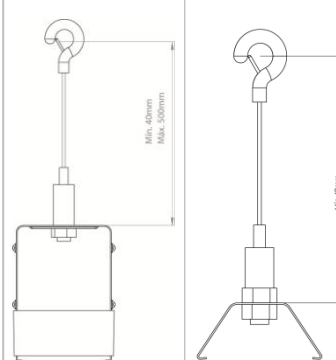
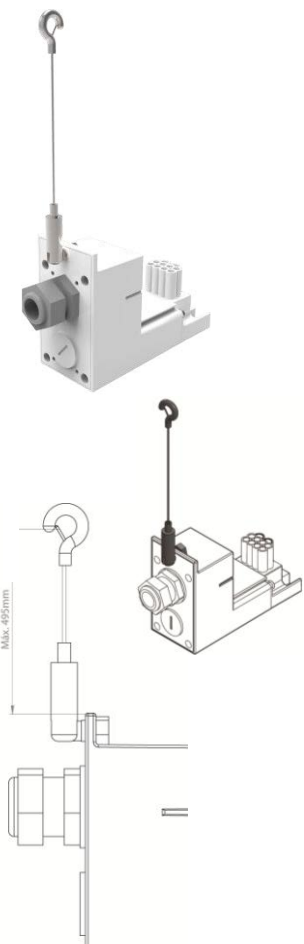
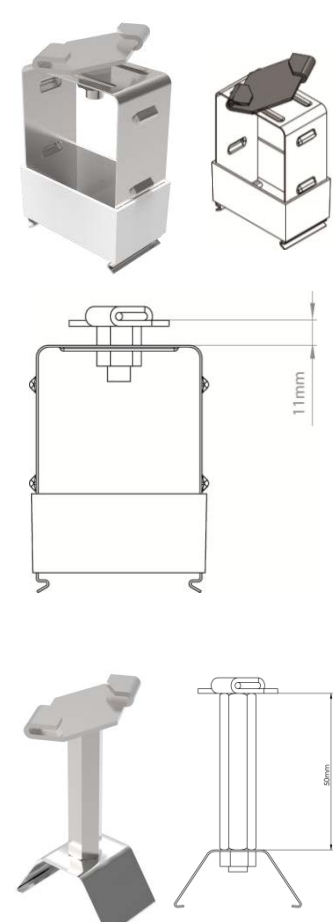
ACCESSORIES

Suspension elements

- o Quick suspension accessories
- o To suspend the bracket without tools
- o Two types of holder: Slide carabineer or clip to false ceiling
- o Wide variety of suspension elements on demand
- o Height adjustment without tools



Various types of holders available. Check Availability and Delivery Times

Type of subjection	BRACKET - CARABENEER	END FEED - CARABENEER	BRACKET - CEILING CLIP
<p>Height adjustment without screws</p> <p>Auto lock system once it is set.</p> <p>Once set, the support can slide up or down to any desired new position.</p> <p>The supply includes the cable with the carabineer, the adjustable retainer and the nut.</p> <p>The supply of the ceiling clip includes: the clip, the spacer (with the small flange), and the nut</p>  	  <p>Min. 40mm Max. 500mm</p> <p>Min. 40mm</p>	 <p>Min. 40mm Max. 490mm</p>	 <p>11mm</p> <p>50mm</p>
Application	Suspension bracket	End feed	Suspension bracket
Reference	-	-	ZR00002
Reference cable 500mm	ZR00001	ZR00003	-
Reference cable 1 meter	ZR010110	ZR020110	-
Reference cable 3 meters	ZR010130	ZR020130	-
Reference cable 5 meters	ZR010150	ZR020150	-
Type of cable	7x7 2300 N/mm ²		-
Cable Standard	EN 12385-4		-
Cable diameter	1,5 mm		-
Supported weight	25 Kg.		-
Weight of the set without bracket	22 gr.	32 gr.	18 gr.

ACCESSORIES

Wire rail kit

- Accessory for additional wiring
- For tool less suspension
- Quick installation
- Available for elements 3 meters long
- Finished in lacquered aluminium
- Stainless steel bracket

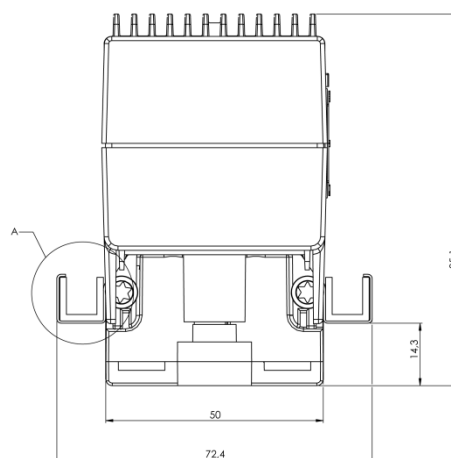
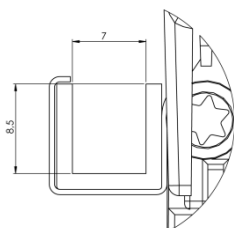


Delivery parts:

- 2 Aluminium rails
- 2 Brackets Saddlebag type



Dimensions



Component	KCP
White RAL 9003 Ref. N°	ZB101001
Black RAL 9005 Ref. N°	ZB101005
Length of rails	2,85 mts
Maximum diameter of wire (per rail)	7 mm
Weight of set	720 gr
Weight per meter (Rails + Saddlebags)	260 gr

ACCESSORIES

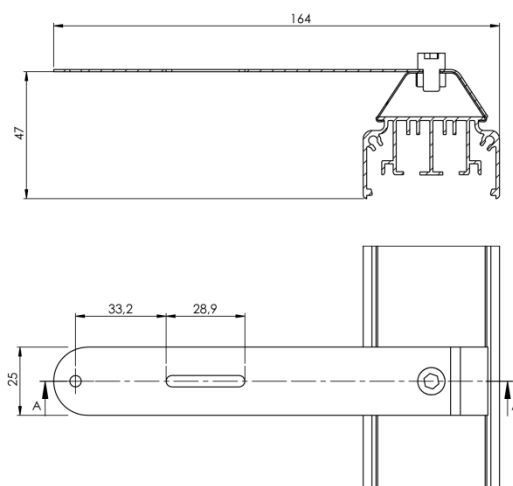
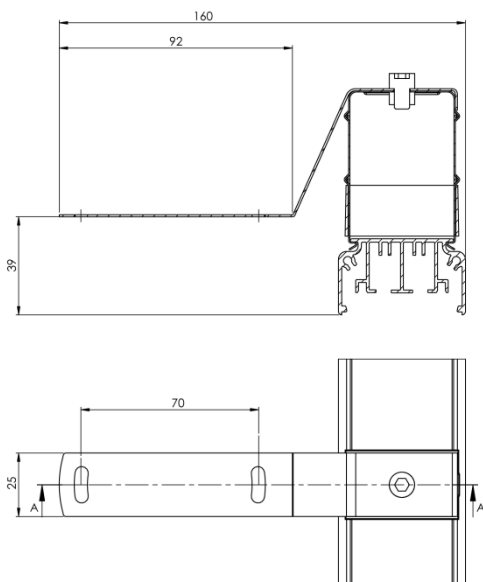
Bracket for accesories

- Accessory for placing sensors of any type or CCTV
- For tool-less installation
- Quick Installation
- Stainless steel bracket
- To use in combination with KPC wire rail kit

Example of bracket for CO2 detector



Example of bracket for CCTV camera



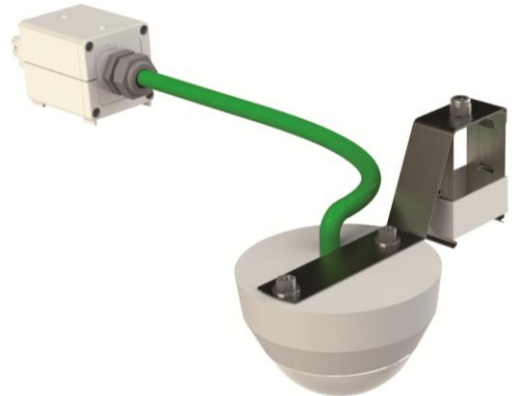
Component	CBA
Reference	XB255001
Permissible weight	250 gr
Installation	To install on CANALED system
Total weight of component	30 gr

LIGHT CONTROL SYSTEMS

Basic systems - Broadcast

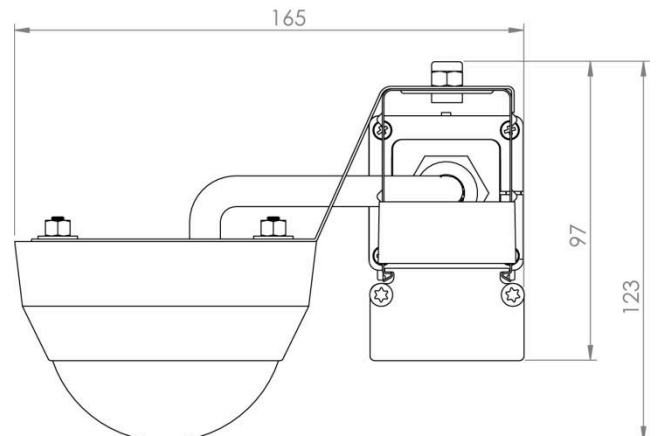
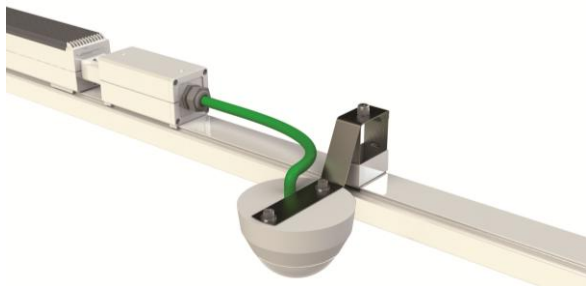
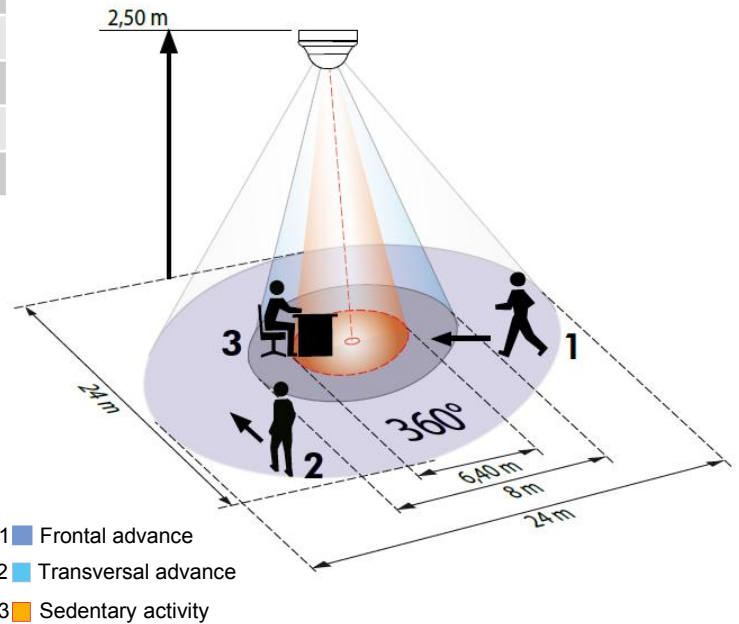
- o Multisensors that detect the level of light and movement
- o Specifically developed for use without controllers
- o The sensors are connected to any joint and are handed to CANALED elements
- o Configuration interface: Smartphone APP or via remote control

Component	LXPD4
Reference	ZK004003
Regulation range	OFF - 3% to 100%
Installation	For CANALED assembling
Communication protocol	DALI as IEC 62386
Ambient temperature t_a	-25°C to +50°C
Nr. Of luminaires controllable	Max. 50
Degree of protection	IP 20
Adjustable timing	1 min. – 30 min.
Adjustable light level	10 – 2000 Lux
Control interface	IR (optional)
Weight	30 Gr.

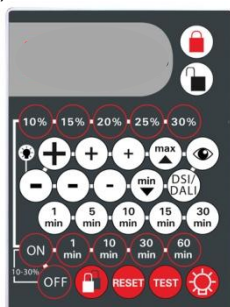


Main features

- o Motion circular sensor to control groups of luminaires with a remote device
- o Integrated constant light sensor to maintain light level
- o Controls up to 50 devices as a group
- o Interface with remote control or device for Smartphone APP (optional)
- o It allows to set the lighting level and required duration of the timing



IR remote control (optional)



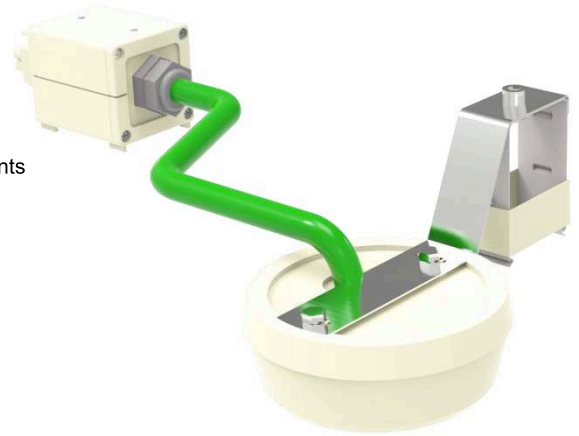
IR Smartphone adapter (optional)



LIGHT CONTROL SYSTEMS

Basic systems - Broadcast

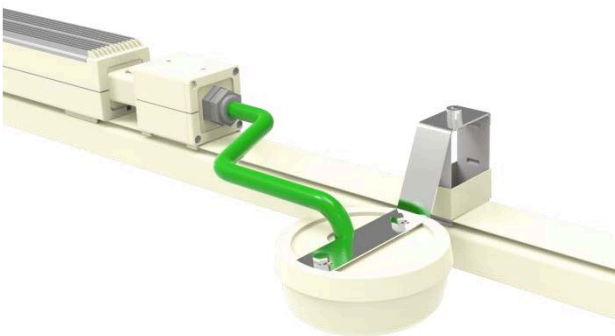
- Constant light sensor
- Specifically developed to use without controller
- The sensors are connected to any joint and are handed to CANALED elements
- Configuration interface: Smartphone APP or via remote control



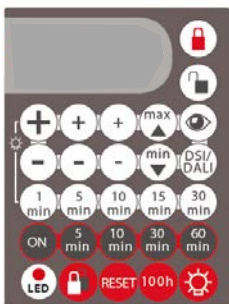
Component	LXCDs
Reference	ZK004006
Regulation range	OFF - 3% to 100%
Installation	For CANALED assembling
Communication protocol	DALI as IEC 62386
Ambient temperature t_a	-25°C to +50°C
Nr. Of luminaires controllable	Max. 50
Degree of protection	IP 20
Adjustable timing	1 min. – 30 min.
Adjustable light level	10 – 2000 Lux
Control interface	IR (optional)
Weight	30 Gr.

Main features

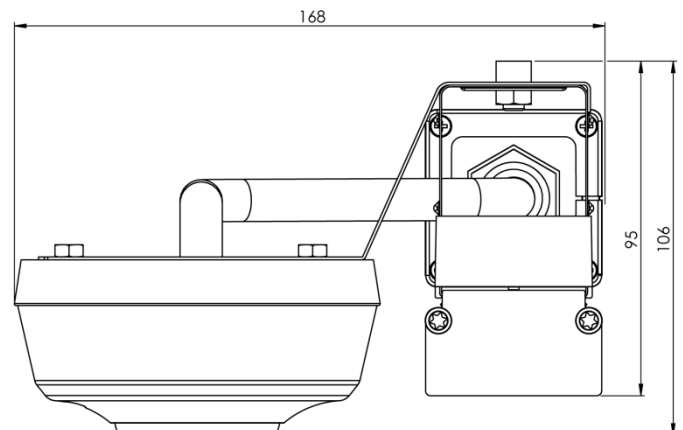
- Light sensor integrated to maintain a constant light level
- Allows the complete disconnection
- Controls up to 50 elements as a group
- Interface with remote control or device for Smartphone APP (optional)



IR remote control(optional)



IR Smartphone adapter (optional)



LIGHT CONTROL SYSTEMS

Simple - Broadcast

- Multisensors that detect the level of light and movement
- With Vossloh-Schwabe XS controller inside
- It does not require electrical supply as the sensors are supplied by the DALI wires
- Configuration interface: through the light controller built in
- Motion and light sensor
- "Push-in" terminals with cam opening: 0.5–1.5 mm².

Additional information

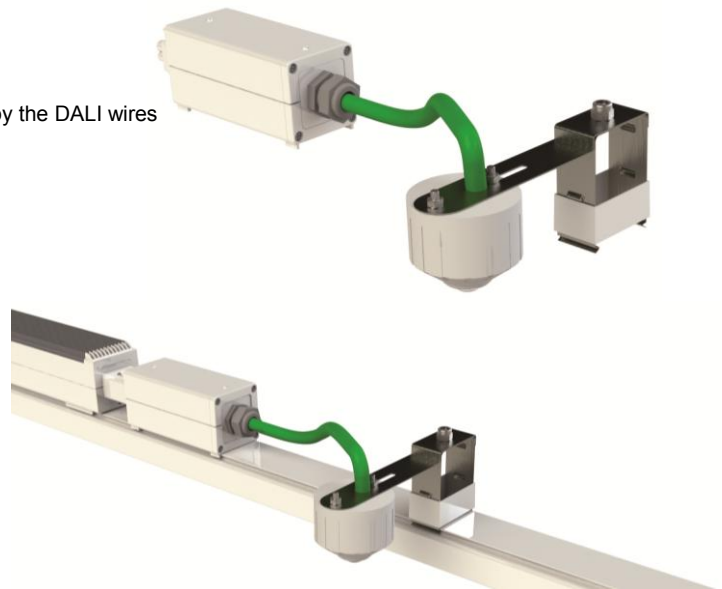
- The multisensors can only work in combination with the range of Vossloh-Schwabe controllers for indoor LICs.



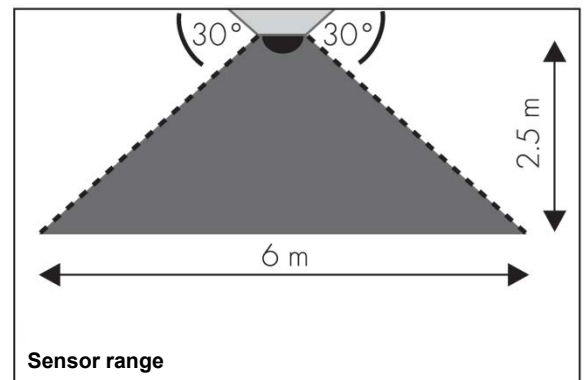
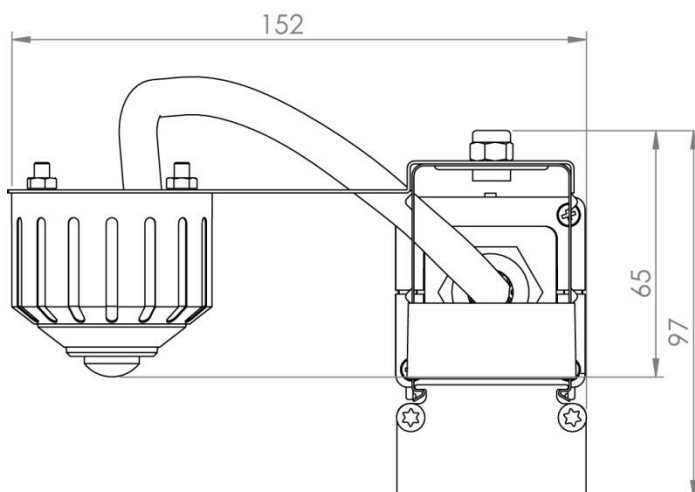
- Refer to the instructions manual to configure the sensor.

- To ensure proper operation of the sensors should not exceed the maximum permissible ambient temperature.

- The sensor should be placed in a position where the reception range due to objects, furniture, etc is not obstructed



Component	VSMSXS
Reference	ZK004004
Type of system	With controller built in (KP)
Pluggable devices	Max. 10
Regulation range	OFF - 3% to 100%
Installation	To hang on CANALED
Communication protocol	DALI as IEC 62386
Ambient temperature t_a	0 to 50°C
Enclosure temperature t_c	Max. 50°C
Degree of protection	IP 20
Weight	30 Gr.

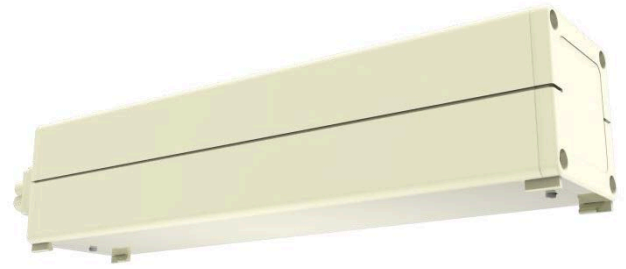


The specified height is a reference value. For other heights and specifically to greater heights will be necessary to test the sensitivity of the sensor in its location, since the sensor sensitivity decreases when the height of its location increases.

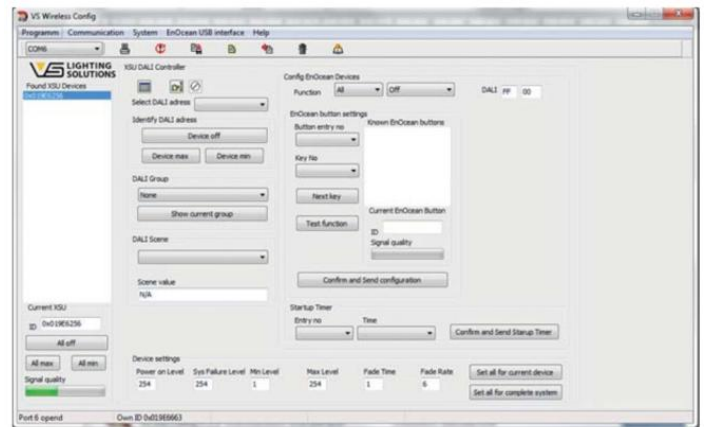
LIGHT CONTROL SYSTEMS

Basic systems – point to point

- Wireless controller with quick connexion “plug & Play”
- Control system point to point
- PC interface
- EnOcean wireless protocol
- It is possible to connect motion sensors and wireless push buttons
- Not compatible with light sensors
- Wide range of piezoelectric wireless push buttons



Component	VSXSW
Reference	ZK004007
System type	Wireless controller integrated into KP
Pluggable devices	Max. 64
Regulation range	OFF - 3% to100%
Installation	To hang on CANALED elements
Communication protocol	DALI as IEC 62386
Ambien temperature t_a	0 a 50°C
Degree of protection	IP 52
Weight	30 Gr.



Wireless USB	VSUSB
Reference	VS186563
Range	50 meters
Communication protocol	EnOcean
Sistemas operativos compatibles	Windows 7, 32 o 64 bits
Screen resolution	Optimal: 1920x1080 Minimum: 1024x768
PC memory	HDD / SSD: 200MByte RAM: 2 GByte



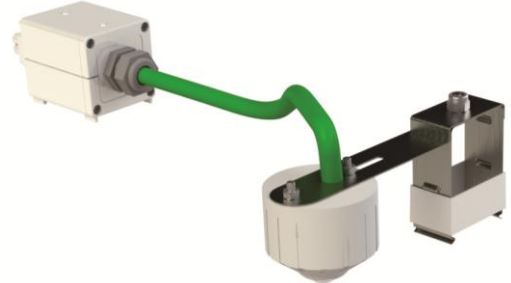
Piezoelectric wireless push buttons	VSFT4F	VFSMH2	VFSMH4
* The push button VS551416 includes a unique mechanism and external frame and the push plates for 2 pulsations or 4 pulsations			
Reference	VS551416*	VS551420	VS551408
Nr. of programmable pulses	2 or 4	2	4
Communication protocol	EnOcean		
Range	From 30 meters indoor spaces with obstacles up to 300 on open spaces		
Nr. of pluggable push buttons per controller	16		
External dimensions (mm)	80 x 80	43 x 43	
Type of finish	Bright White		
Weight (gr.)	30		

LIGHT CONTROL SYSTEMS

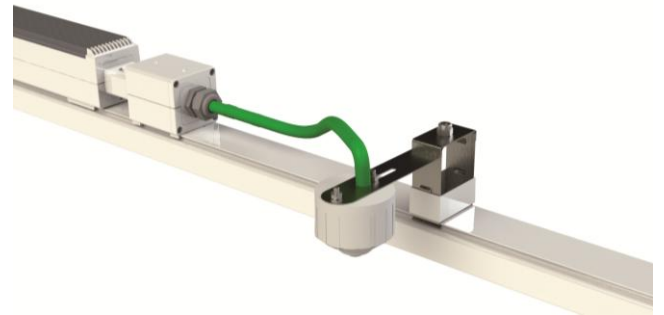
Complete control systems

- o Combination of controllers and sensors
- o A complete range of controllers as required
- o Configurable from control of 10 luminaires
- o Configurable systems with or without a computer

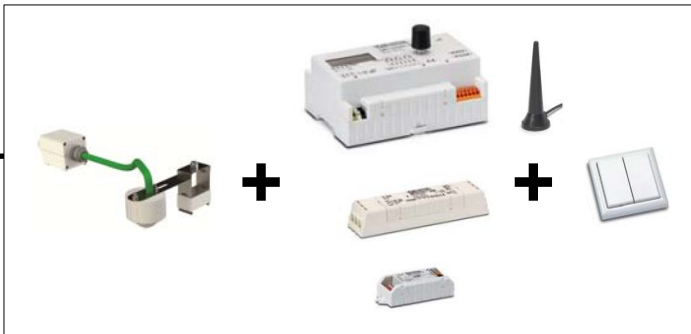
Component	VSMS
Reference	ZK004001
System type	Requires VS controller
Regulation range	OFF - 3% to 100%
Installation	To hang on CANALED elements
Communication protocol	DALI as IEC 62386



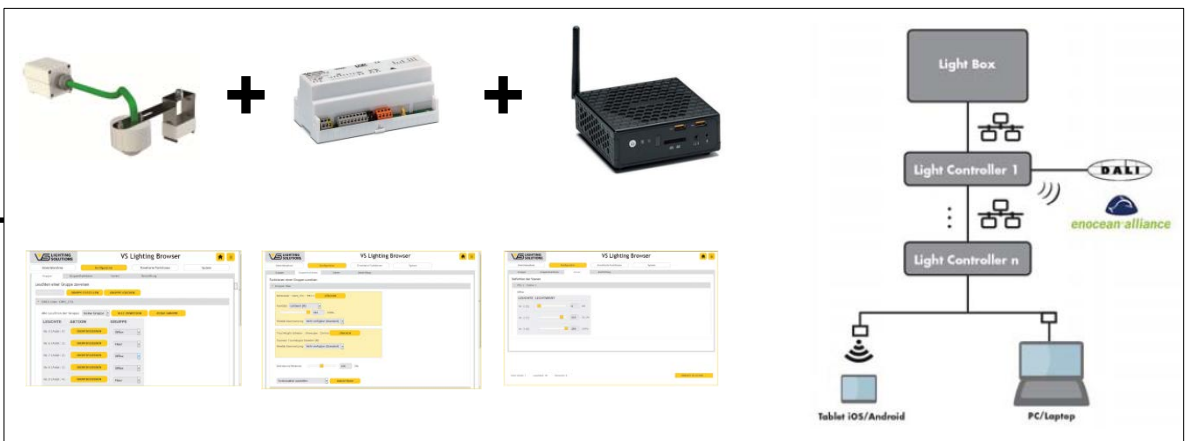
System architecture



Control systems without computer (Page 61)









Control systems with computer (Check with CANALED)



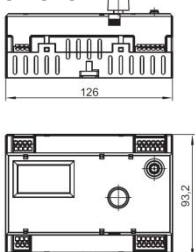
LIGHT CONTROL SYSTEMS

Complete control systems

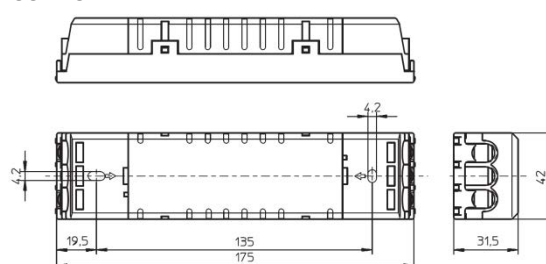
- Controllers that can be used in combination with VS sensors.
- Communication between the light elements and the controller is made by DALI protocol
- Light controllers comply with standard IEC 62386
- According to the standard, the maximum number of connectable lighting elements to the controller is 64
- The lighting system can be set completely and easily without a computer

Reference	Complet controller	Medium range	Small controller	Extender
	 Antenna HB65 for controller LSW 			
	VLSL / VSLSW	VSS	VSXS	VSEXT
Reference Nr.	VS186276 / VS186323	VS186210	VS186220	VS186194
Control options	Individual and group	Broadcast	Broadcast	Broadcast
Nr. Of groups	Max. 16	-	-	1
Nr. Of operative devices	Max. 64	Max. 64	Max. 10	Max. 64
Nr. Of multisensors	Max. 36	Max. 36	Max. 4	-
Motion sensors	■	■	■	-
Lighting sensors	■	-	-	■
Conf. Scenes	■	-	-	■
"PUSH" function	■	■	■	■
Light level regulation	■	■	■	■
ON/OFF Function	■	■	■	■
Central rewriting	■	-	-	-
"Stairwell" Function	■	-	-	-
System analytics software	■	-	-	-
Password protection	■	-	-	-
"standby" reduction losses	■	-	-	-
Languages	English - German - French Italian - Spanish	-	-	-
Interface	Push and rotative button with screen	By PIN	By PIN	-

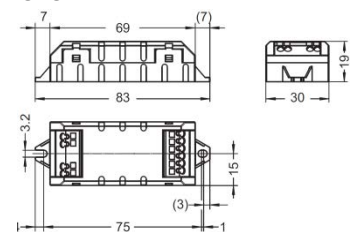
VLSL/VSLSW



VSS / VSEXT



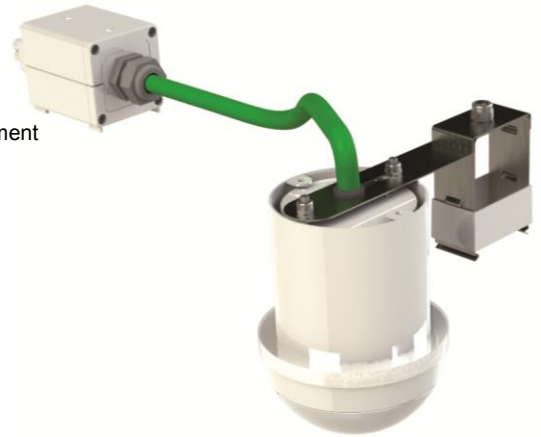
VSXS



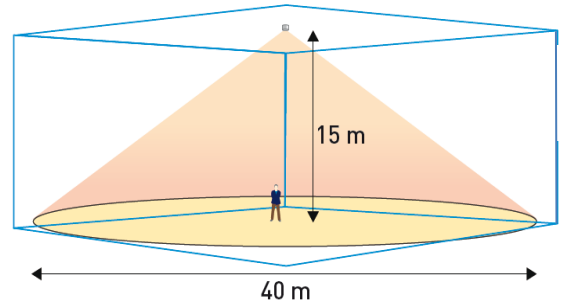
LIGHT CONTROL SYSTEMS

Advanced control systems

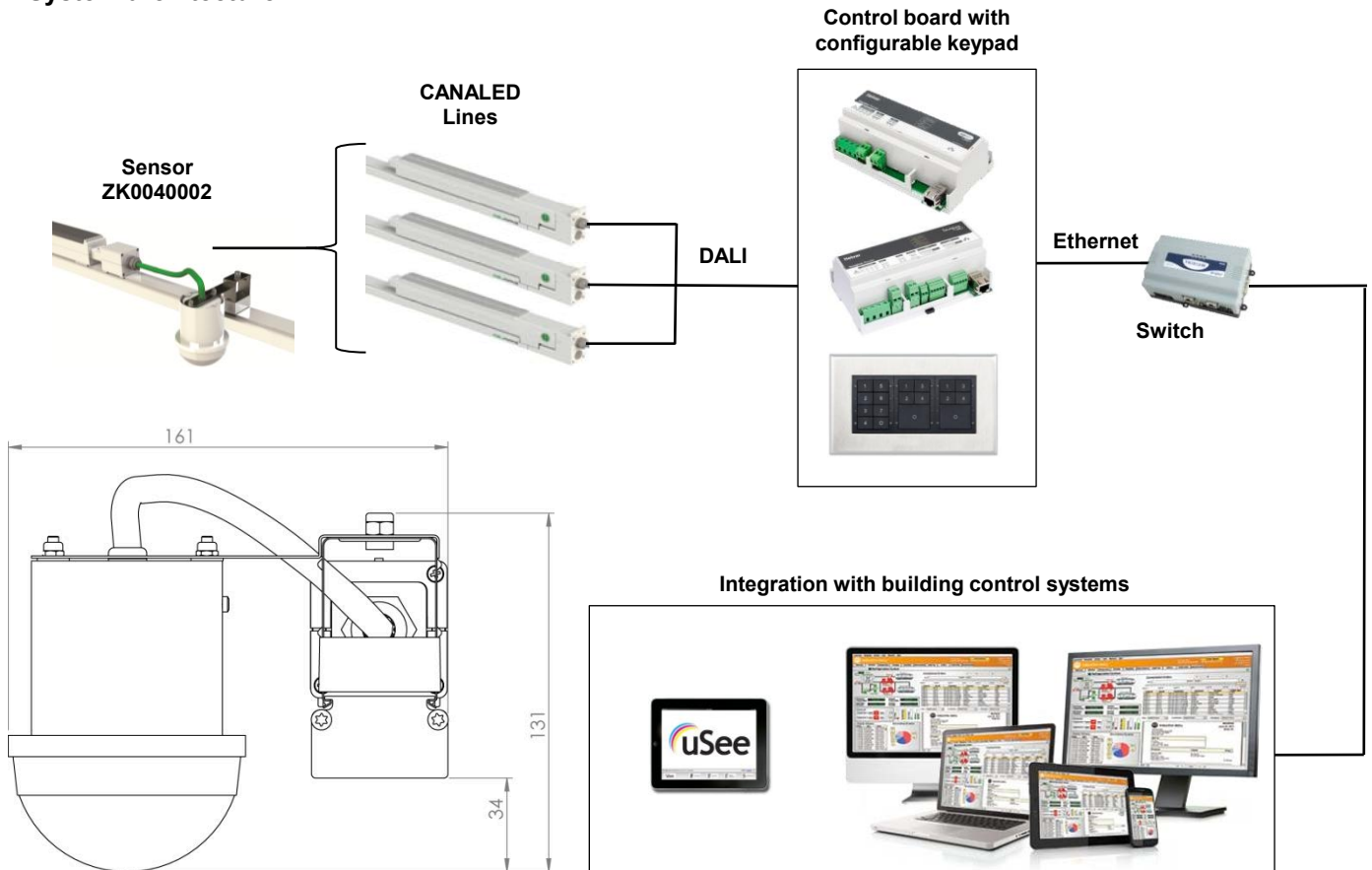
- Thanks to the length of the CANALED elements, the control needs half of the equipment
- Systems for the total control of the light
- Scalable without limiting the number of points of light
- Based on three components: Sensors, Routers and Keypads
- Compatible with various integration systems for control of equipment in buildings
- Light level control, failures, consumption, etc.



Component	HES317
Reference	ZK004002
Regulation range	OFF - 3% to 100%
Installation	To hang on CANALED elements
Communication protocol	DALI as IEC 62386
Ambient temperature t_a	-30°C a +35°C
DALI consumption	20 mA
Degree of protection	IP 40
Working range	5 m. – 15 m.
Temperature difference for detection	4 °C
Control interface	NO
Weight	120 Gr.



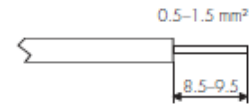
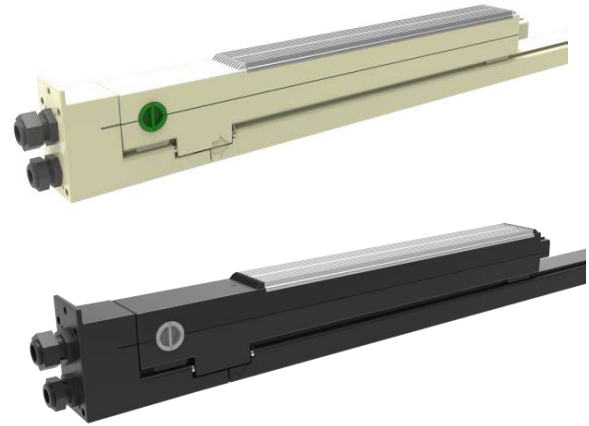
System architecture



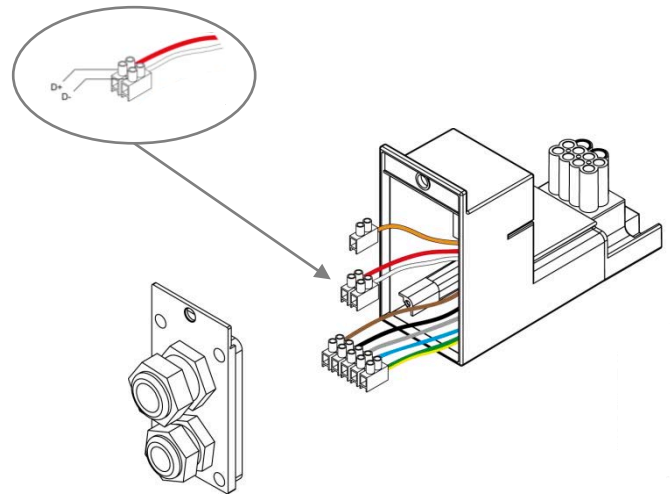
TECHNICAL RECOMMENDATIONS FOR INSTALLATIONS WITH DALI PROTOCOL

Basic considerations

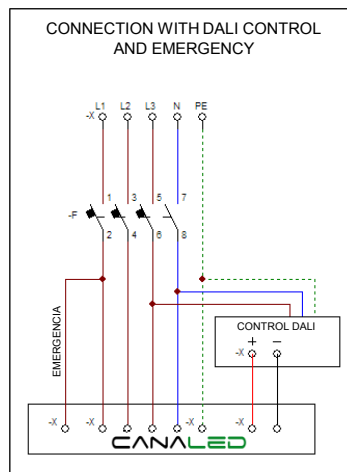
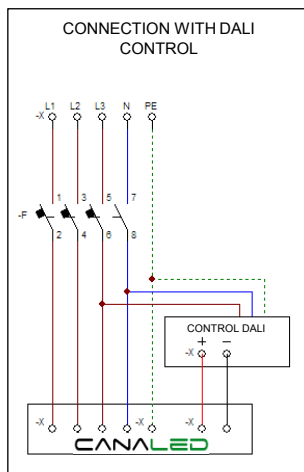
- The CANALED L3D lighting system is manufactured according to IEC 62386.
- L3D incorporates the DALI wiring, with cross section of 1.5 mm² in all its components.
- The connection between L3D system with controllers or routers should be done with wires with 1,5 mm² minimum section
- DALI terminal of the end feed are for wires with section 1,5 mm².
- Up to 64 DALI components (luminaires and sensors) can be connected to a DALI bus. The total of all components must not exceed 200mA.
- The maximum recommended length for DALI installations is based on the section of wire used according to the following datasheet :



Wire section	1.5 mm ²	1.0 mm ²	0.75 mm ²	0.5 mm ²
Distance 6,2 Ω max.	300 m.	180 m.	130 m.	80 m.



Electrical connection schemes



INSTALLATION INSTRUCTIONS

L3D

GUÍA RÁPIDA DE INSTALACIÓN
 QUICKINSTALLATION GUIDE
 SCHNELLINSTALLATIONSANLEITUNG
 GUIDE D'INSTALLATION RAPIDE
 GUIDA DI INSTALLAZIONE RAPIDA

	220-240 V	I_{max} 16A		Sec. Max 115W
IP52	50-60Hz	Max. 40u. 3m. Max. 60u. 2m.		T _a 60°

CANALED

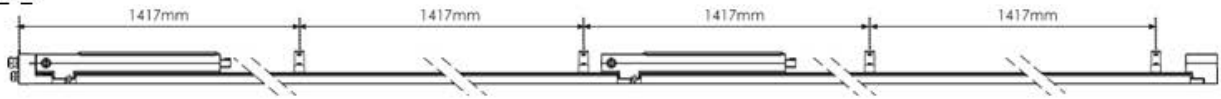


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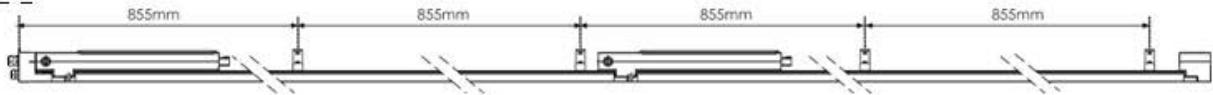
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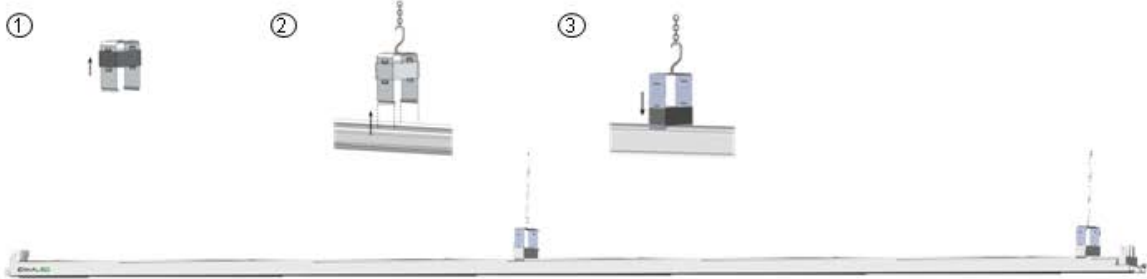
3



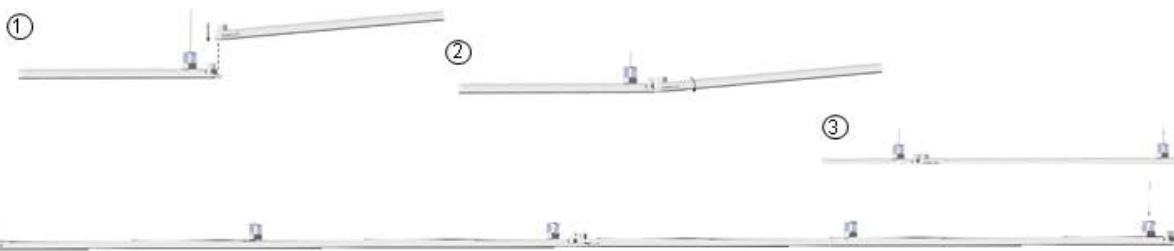
2



2



3



4



IM000000



IM277300 IM000002
 IM050000



INSTALLATION INSTRUCTIONS

L3D

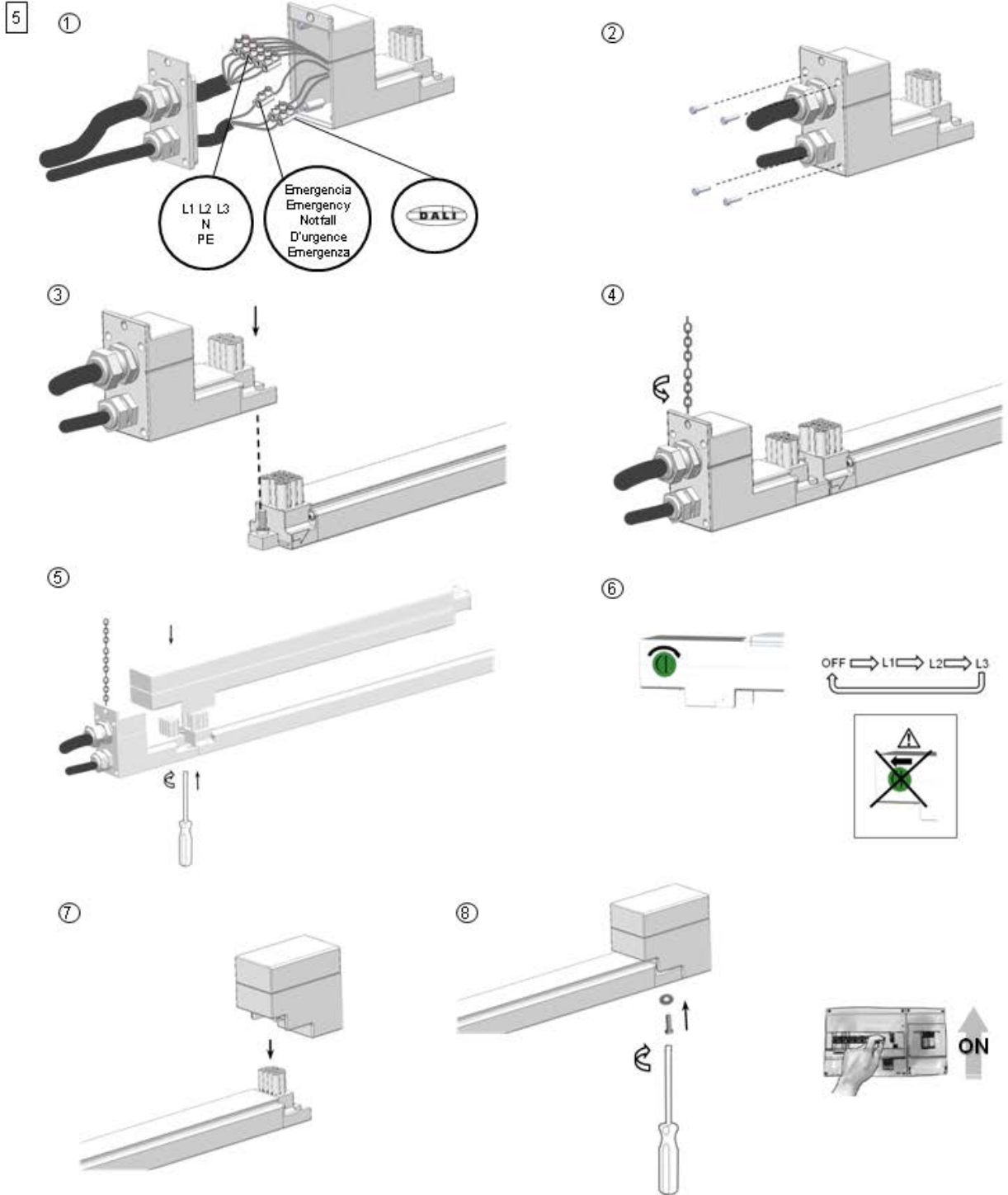
GUÍA RÁPIDA DE INSTALACIÓN
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IM000000



IM 277 300 IM000002
 IM050000



CANALÉD COMMERCIAL OFFICES

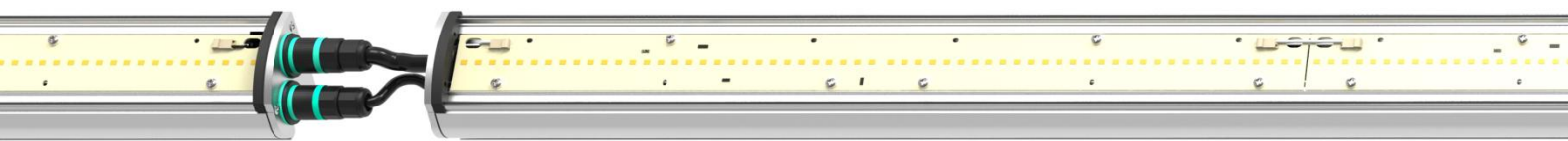


- SPAIN – PORTUGAL – ITALY – GERMANY – AUSTRIA – SERBIA – CROATIA
- ISRAEL – PERU – CHILE

OTHER CANALED PRODUCTS

High performance linear lighting system for high performance environments

- o SMD 150 and 150 high brightness LED per 3 meter length
- o PC diffuser
- o High efficiency diodes
- o 3 phase + 3 N + Earth + DALI
- o External phase selector (under protection cover)
- o Continuous light up to 157 meters with a single feed
- o Dimmable light level (DALI)

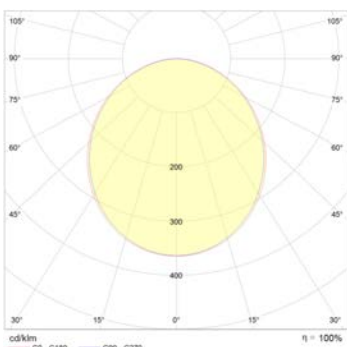


L3F

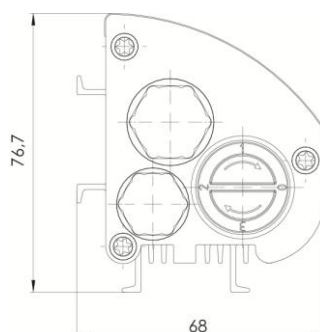
Preliminary

System parameters	3 meter straight lengths 150 diods
Working temperature	-20°C .. + 40°C
Degree of protection	IP 65
Degree of shock protection	IK 10
Driver control protocol	DALI
Material de la envoltente	Al
Diffuser and plastic components material	Polycarbonate
Colour	Anodized gray anthracite
Maintenance	Not needed – Without maintenance
Standards	IEC 60589 I-II
Colour temperature (°K)	4000K
Output of LEDS (Lm)	9300
Light efficiency - Output (Lm/w)	145
Total luminous flux of the system (Lm)	6816
Light efficiency – Total (Lm/w)	97
Power - Total (W)	70,4

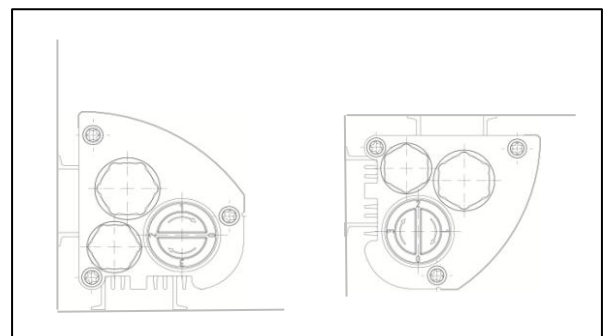
Polar curve



Dimensions



Different orientation possibilities



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