



VU-LineLinear

Pendant | Surface LED Linear Lighting System



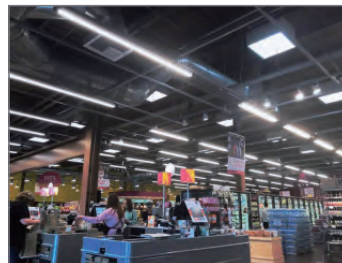
Feature

- 4' and 8' Lengths, 30W /45W /60W /90W /120W Optional
- Narrow / Flood / Narrow Uplighting / Flood Uplighting Light Distributions
- 5 / 8 / 12 Wires Trunking Rail Options
- Up to 135LM/W or 150LM/W Options

- Tooling-Free Installation
- Multiple Suspended and Surface Mounting Accessory Options
- Continuous line or Custom Pattern with L, T, X Node Connector
- 0-10V Dimming, DALI, Emergency, Daylight Sensor, Motion Sensor Optional Functions

APPLICATION

Office Corridor Industrial Warehouse Other indoor lighting



SUBMITTED BY: DATE:

TYPE: PROJECT:

ORDERING INFO:



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PRODUCT ORDERING GUIDE

Ordering Guide Example: : CULS-1230-40FU-08WH-10

CULS							
Category	Length	Power	CCT	Beam Angle	Wire	Finish	Optional Functions
☐ Steel Luminaire	☐ 4ft Length	☐ 30w	☐ 2700K	☐ Narrow	☐ 5 Wires	☐ White Shell	☐ 0-10V Dimming
		☐ 45w	☐ 3000K	☐ Flood	☐ 8 Wires	☐ Black Shell	☐ DALI Dimming
		☐ 60w	☐ 3500K	☐ Narrow Uplighting	☐ 12 Wires	☐ Silver Shell	☐ 6w Emergency Power Supply 1800mAh Emergency Battery Pack
	☐ 8ft Length	☐ 60w	☐ 4000K	☐ Flood Uplighting			☐ 12w Emergency Power Supply 3600mAh Emergency Battery Pack
		☐ 90w	☐ 5000K				☐ 6w Emergency Power Supply
		☐ 120w					☐ 12w Emergency Power Supply

Remark:
Just choose E1 or E2 when there has central backup battery or UPS to power the Luminaires.

Mounting Kit



Suspension Cord



Suspension Rod



Suspension Chain



Surface Mounted



Mounting Clip





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Node Connector

- L, T and X Standard Module Node connectors;
- Each node connector has diverse of electrical feed-in and feed-out.



L Node Connector



T Node Connector



X Node Connector

Closure



End Cap



Blank Cover



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Luminaire Characteristics

Product Description

- Tooling free installation
- Continuous line
- Indirect lighting

Applications

- Commercial
- Industrial
- Warehouse
- Office
- Corridor



Electrical Characteristics

0-10V Dimming Driver | 30W/45W/60W

Product Description

- Constant Current LED Driver
- Lifespan: 50,000h
- 5 years Limited Warranty

Properties

- Over voltage protection with automatic restart
- Overload protection
- Short-circuit protection with automatic restart
- Surge voltage: 2.5KV



Model No.	CULS-12	CULS-24
Lengths	4ft	8ft
Input Power	30w/45w/60w	60w/90w/120w
Input Voltage	100 - 277VAC	100 - 277VAC
Input Current	0.35/0.5/0.7A max	0.7/1.0/1.4A max
Mains Frequency	50/60HZ	50/60HZ
PF	0.9	0.9
Lumen	4050/6075/8100lm 4500/6750/9000lm	8100/12150/16200lm 9000/13500/18000lm
Efficiency	135/150 lm/W	135/150 lm/W
CCT	2700-5000K	2700-5000K
CRI	80Ra	80Ra
R9	>0	>0
SDCM	<3	<3
Beam Angle	NR/FD/NU/FU	NR/FD/NU/FU
Dimming	0-10V	0-10V
Dimming Range	5%-100%	5%-100%
Flicker Percent	≤5%	≤5%
Flicker Metric Pst LM	≤1.0	≤1.0
Stroboscopic Effect Metric SVM	≤0.4	≤0.4
Type Of Protection	IP20	IP20
Operating Humidity	10% - 80%	10% - 80%
Storage Humidity	10% - 80%	10% - 80%
Ambient Temperature Ta (At Life-time 50,000 h)	-25°C - 40°C	-25°C - 40°C
Warranty	5 years	5 years
Storage Temperature Ts	-40°C - 85°C	-40°C - 85°C

Model No.	CSD1U-30-10	CSD1U-45-10	CSD1U-60-10
Input Voltage	100 - 277VAC	100 - 277VAC	100 - 277VAC
Input Current	0.4A max	0.6A max	0.8A max
Mains Frequency	50/60HZ	50/60HZ	50/60HZ
PF (At 230 V, 50 Hz, Full Load)	0.9	0.9	0.9
THD (At 230 V, 50 Hz, Full Load)	15%	15%	15%
Inrush Current	18A@200us	20A@200us	25A@200us
Turn On Time (Output)	≤1s	≤1s	≤1s
Standby Power P _{sb}	≤0.5w	≤0.5w	≤0.5w
Output Voltage	30-42V	30-42V	30-42V
Output Current	0.7A	1A	1.35A
Max Output Power	29w	42w	57w
Efficiency (At 230V, 50Hz, Full Load)	85%	86%	87%
Dimming	1-10V	1-10V	1-10V
Dimming Range	5%-100%	5%-100%	5%-100%
Output LF Current Ripple	≤5%	≤5%	≤5%
Surge (Between L - N)	2.5KV	2.5KV	2.5KV
Surge (Between L/N - PE)	2KV	2KV	2KV
Type Of Protection	IP20	IP20	IP20
Operating Humidity	10% - 80%	10% - 80%	10% - 80%
Storage Humidity	10% - 80%	10% - 80%	10% - 80%
Ambient Temperature Ta (At Life-time 50,000 h)	-25°C - 60°C	-25°C - 60°C	-25°C - 60°C
Max. Casing Temperature T _c	75°C	75°C	75°C
Storage Temperature T _s	-40°C - 85°C	-40°C - 85°C	-40°C - 85°C
Outer Dimensions	280 x 37 x 30mm	280 x 37 x 30mm	280 x 37 x 30mm



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TRUNKING RAIL



- The flexible trunking system for challenging lighting demands in all applications.
- With fully compatible modular kit, it adapts individually to complex lighting tasks.
- It has an 12-pole current conducting section built into its trunking.
- This means that the system comes ready equipped to meet tomorrow's needs.
- All functions such as power supply, lighting control and connection to emergency lighting are seamlessly integrated into this multifunctional trunking.
- Luminaires can be positioned flexibly and the system can be adapted to suit structural alterations at any time.
- The trunking rail is simply a matter of replacing or adding lighting modules, light sources or optics as required.
- Trunking rail as standard with 5, 8 or 12-core through-wiring with 2.5mm² cable for power supply and 1.5mm² cable for dimming control.
- The maximum current is 16A.

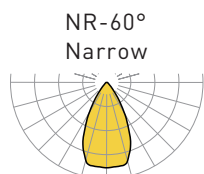
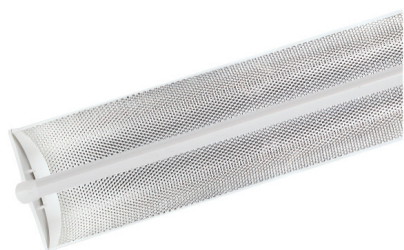


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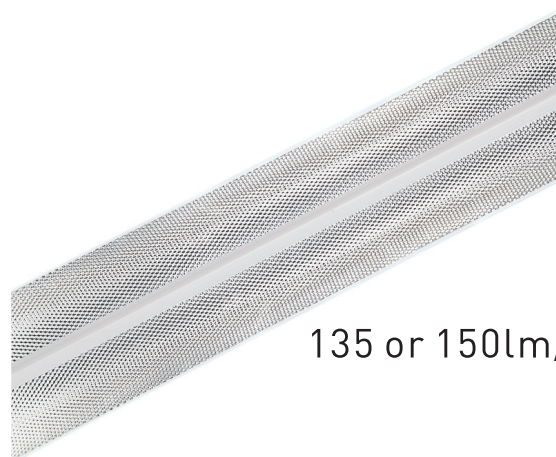
OPTICS

10% of the light upward to the ceiling and 90% reflected onto the floor, with or without uplighting is available.

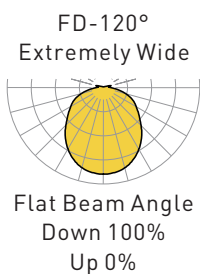
Unique reflective design, two different reflectors form two different angles.



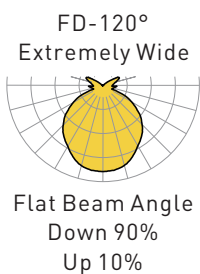
Narrow Beam Angle
UGR < 19



135 or 150lm/w



Flat Beam Angle
Down 100%
Up 0%



Flat Beam Angle
Down 90%
Up 10%

Benefits

- Upward luminescence 10%
- Indirect lighting & unique design
- Flexible solution
- UGR < 19



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FUNCTION MODULES

Dimming & Multi-Sensor System

0-10V or DALI dimming options;

Not only does it have an integrated microwave sensor for motion detection, but it also has a day-light sensor



Spotlight Module



Sensor Module



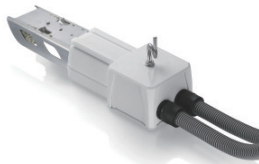
Exit Sign Module



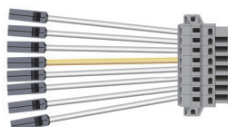
Wireless Sensor

ACCESSORIES

Power Feed



Feed In Box



Feed In Connector