

PCULS

Pendant U-LineLinear | Surface LED Linear Lighting System

Features:

- 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



PRODUCT ORDERING GUIDE

Example: PCULS-1230-40FU-08WH-10

PCULS							
Category	Length	Power	CCT	Beam Angle	Wire	Finish	Optional Functions
PCULS-Steel Luminaire	12 4ft Length	30 30w	35 3500K	NR Narrow	05 5 Wires	WH White Shell	10 0-10V Dimming
		45 45w	40 4000K	FD Flood			DA DALI Dimming
		60 60w		NU Narrow Uplighting			E1B1 6w Emergency Power Supply 1800mAh Emergency Battery Pack
	24 8ft Length	60 60w		FU Flood Uplighting	E2B2 12w Emergency Power Supply 3600mAh Emergency Battery Pack		
		90 90w					E1 6w Emergency Power Supply
		120 120w					E2 12w Emergency Power Supply <i>Remark: Just choose E1 or E2 when there has central backup battery or UPS to power the Luminaires.</i>

Product Description:

- Tooling free installation
- Continuous line
- Indirect lighting

Applications: Commercial, Industrial, Warehouses, Office, Corridors


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.	PCULS-12	PCULS-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	8100lm/4500lm	16200lm/9000lm
Efficiency	135/150 lm/W	135/150 lm/W
CCT	3500-4000K	3500-4000K
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.	PCSD1U-30-10	PCSD1U-45-10	PCSD1U-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

Mounting Kit



Suspension Cord



Suspension Rod



Suspension Chain



Surface Mounted



Mounting Clip

Node Connectors

- 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

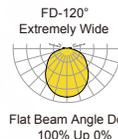
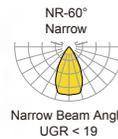
TRUNKING RAIL



- 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.

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.



135 or 150lm/w

Benefits

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





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 daylight sensor.



Spotlight Module



Sensor Module



Exit Sign Module



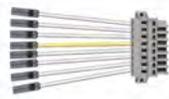
Wireless Sensor

ACCESSORIES

Power Feed



Feed In Box



Feed In Connector