ZANEEN.

D132139- COMPONENTS

DPH0600024EL

DESCRIPTION

EMCOD - MLE60-24DC - Phase dimming (LE / TE) @120Vac only -3-60W - 24Vdc - 120-277Vac - (Outdoor) LED power supply w/UL approved enclosure

GENERAL

Division: Architectural : Components : LED Drivers
PHYSICAL
Length (mm): 187.96
Length (in): 7 ⅔
Width (mm): 91.94
Width (in): 3 ⁵ / ₈
Height (mm): 25.9
Height (in): 1
Weight (kg): 0.1
Weight (lbs): 0.24
Fixture Material: Metal
ELECTRICAL
Lamp Type: LED
Total Output Wattage (W): 3-60
Dimming: Phase Dimming (120Vac Only)
Driver Type: Constant Voltage - Universal
Input Voltage (V): 120 - 277
Output Voltage (V): 24
Constant Voltage (V): 24

LED

Efficiency (%): 90

RATINGS AND CERTIFICATIONS

Certified By: UL Listed IP rating: IP67 PROJECT TYPE NOTES QUANTITY DATE

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In a constant effort to supply the best product, we reserve the right to change specifications or materials without notice. The most recent specification sheets are found at zaneen.com

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D132139- COMPONENTS

DVO0600024MUL

DESCRIPTION

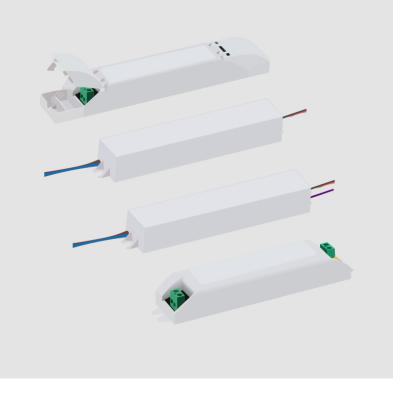
Magnitude CVD60L24DC - 0-10Vdc Dimming (1%) - 60W - 24Vdc - 120-277Vac - LED power supply w/UL Listed Enclosure

GENERAL

Division: Architectural : Components : LED DriversPHYSICALLength (mm): 290Length (in): 11 27 Width (mm): 59.9Width (in): 2 25 Height (mm): 35Height (in): 1 3 Weight (kg): 0.878kg / 1.94lbsELECTRICALLamp Type: LEDTotal Output Wattage (W): 0-60Diming: 0-10V Dimming to 1%Driver Type: Constant Voltage - UniversalDriver Class: Class 2Input Voltage (V): 120 - 277Output Voltage (V): 24RATINGS AND CERTIFICATIONSCertified By: UL ListedIP rating: IP65	CENEIGIE
Length (mm): 290 Length (in): 11 27 Width (mm): 59.9 Width (in): 2 23 Height (mm): 35 Height (in): 1 3 Weight (kg): 0.878kg / 1.94lbs ELECTRICAL Lamp Type: LED Total Output Wattage (W): 0-60 Dimming: 0-10V Dimming to 1% Driver Type: Constant Voltage - Universal Driver Class: Class 2 Input Voltage (V): 120 - 277 Output Voltage (V): 24 RATINGS AND CERTIFICATIONS Certified By: UL Listed	Division: Architectural : Components : LED Drivers
Length (in): $11\frac{27}{64}$ Width (mn): 59.9 Width (in): $2\frac{23}{64}$ Height (mn): 35 Height (in): $1\frac{2}{5}$ Weight (kg): 0.878kg / 1.94lbs ELECTRICAL Lamp Type: LED Total Output Wattage (W): 0-60 Dimming: 0-10V Dimming to 1% Driver Type: Constant Voltage - Universal Driver Class: Class 2 Input Voltage (V): 120 - 277 Output Voltage (V): 24 RATINGS AND CERTIFICATIONS Certified By: UL Listed	PHYSICAL
Width (mm): 59.9Width (in): $2 \frac{13}{64}$ Height (in): $2 \frac{13}{64}$ Height (in): $1 \frac{3}{5}$ Weight (kg): $0.878 \text{ kg} / 1.94 \text{ lbs}$ ELECTRICAL Lamp Type: LEDTotal Output Wattage (W): 0.60 Dimming: $0.10V$ Dimming to 1% Driver Type: Constant Voltage - UniversalDriver Class: Class 2Input Voltage (V): 120 - 277Output Voltage (V): 24 RATINGS AND CERTIFICATIONS Certified By: UL Listed	Length (mm): 290
Width (in): 2^{23}_{64} Height (in): 2^{23}_{64} Height (in): 1^{3}_{8} Weight (kg): $0.878 \text{kg} / 1.94 \text{lbs}$ ELECTRICALLamp Type: LEDTotal Output Wattage (W): 0.60 Dimming: $0.10V$ Dimming to 1% Driver Type: Constant Voltage - UniversalDriver Class: Class 2Input Voltage (V): $120 - 277$ Output Voltage (V): 24RATINGS AND CERTIFICATIONSCertified By: UL Listed	Length (in): 11 ²⁷ / ₆₄
Height (mm): 35 Height (in): 1 ³ / ₆ Weight (kg): 0.878kg / 1.94lbs ELECTRICAL Lamp Type: LED Total Output Wattage (W): 0-60 Dimming: 0-10V Dimming to 1% Driver Type: Constant Voltage - Universal Driver Class: Class 2 Input Voltage (V): 120 - 277 Output Voltage (V): 24 RATINGS AND CERTIFICATIONS Certified By: UL Listed	Width (mm): 59.9
Height (in): 1 ½ Weight (kg): 0.878kg / 1.94lbs ELECTRICAL Lamp Type: LED Total Output Wattage (W): 0-60 Dimming: 0-10V Dimming to 1% Driver Type: Constant Voltage - Universal Driver Class: Class 2 Input Voltage (V): 120 - 277 Output Voltage (V): 24 RATINGS AND CERTIFICATIONS Certified By: UL Listed	Width (in): 2 ²³ / ₆₄
Weight (kg): 0.878kg / 1.94lbs ELECTRICAL Lamp Type: LED Total Output Wattage (W): 0-60 Dimming: 0-10V Dimming to 1% Driver Type: Constant Voltage - Universal Driver Class: Class 2 Input Voltage (V): 120 - 277 Output Voltage (V): 24 RATINGS AND CERTIFICATIONS Certified By: UL Listed	Height (mm): 35
ELECTRICAL Lamp Type: LED Total Output Wattage (W): 0-60 Dimming: 0-10V Dimming to 1% Driver Type: Constant Voltage - Universal Driver Class: Class 2 Input Voltage (V): 120 - 277 Output Voltage (V): 24 RATINGS AND CERTIFICATIONS Certified By: UL Listed	Height (in): $1\frac{3}{8}$
Lamp Type: LED Total Output Wattage (W): 0-60 Dimming: 0-10V Dimming to 1% Driver Type: Constant Voltage - Universal Driver Class: Class 2 Input Voltage (V): 120 - 277 Output Voltage (V): 24 RATINGS AND CERTIFICATIONS Certified By: UL Listed	Weight (kg): 0.878kg / 1.94lbs
Total Output Wattage (W): 0-60 Dimming: 0-10V Dimming to 1% Driver Type: Constant Voltage - Universal Driver Class: Class 2 Input Voltage (V): 120 - 277 Output Voltage (V): 24 RATINGS AND CERTIFICATIONS Certified By: UL Listed	ELECTRICAL
Dimming: 0-10V Dimming to 1% Driver Type: Constant Voltage - Universal Driver Class: Class 2 Input Voltage (V): 120 - 277 Output Voltage (V): 24 RATINGS AND CERTIFICATIONS Certified By: UL Listed	Lamp Type: LED
Driver Type: Constant Voltage - Universal Driver Class: Class 2 Input Voltage (V): 120 - 277 Output Voltage (V): 24 RATINGS AND CERTIFICATIONS Certified By: UL Listed	Total Output Wattage (W): 0-60
Driver Class: Class 2 Input Voltage (V): 120 - 277 Output Voltage (V): 24 RATINGS AND CERTIFICATIONS Certified By: UL Listed	Dimming: 0-10V Dimming to 1%
Input Voltage (V): 120 - 277 Output Voltage (V): 24 RATINGS AND CERTIFICATIONS Certified By: UL Listed	Driver Type: Constant Voltage - Universal
Output Voltage (V): 24 RATINGS AND CERTIFICATIONS Certified By: UL Listed	Driver Class: Class 2
RATINGS AND CERTIFICATIONS Certified By: UL Listed	Input Voltage (V): 120 - 277
Certified By: UL Listed	Output Voltage (V): 24
	RATINGS AND CERTIFICATIONS
IP rating: IP65	Certified By: UL Listed
	IP rating: IP65

PROJECT

TROJECT
ТҮРЕ
NOTES
QUANTITY
DATE



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D132139- COMPONENTS

LEGEND

PROJECT

TYPE	
NOTES	
QUANTITY	

DATE

↓	floor-mounted	¥	pivotable	\circledast	special LED (upon request) RGB, RGBW, tunable, gold+, meat+, art+, fashion+
$\overline{}$	wall and ceiling: recessed and surface mounted	C	rotating	0	warm dim / natural dimming LED
Î	ceiling-mounted and wall-mounted	K	illuminate tilted	Ø	rechargeable battery powered
\rightarrow	wall-mounted	T	color of suspension cable	на	fixture with natural vivid LED (upon request)
Y	omni-directional light distribution		length of suspension cable	CRI	color rendering index
	direct light distribution	Δ	reflector degree selection	°К	color temperature
	direct/indirect light distribution	s s	super spot	LM	lumen (luminous flux)
Y	indirect light distribution	Å	lens	LM	efficacy (lumens per watt)
	asymmetric light distribution	Ð	lens pack	UGR	Unified Glare Rating (UGR) range from 5-40
Ä	aura light distribution	0	shine ring	378	marine grade (AISI 316 stainless steel)
R	round wall or ceiling cut-out	\odot	integrated shine ring with diffuser	٢	walk on
5	square wall or ceiling cut-out	Ċ	free individual colors 01-29	0	drive on
d d	the supplied jig specifies the cutout dimensions	Ú.	individual colors: 00 (free of charge), 01-25 (extra charge)	OSC	Dark Sky Compliance
(++) M	minimum distance (meters) lamp - object	۲	luminaire part to be colored (F1)	Ġ	Americans with Disabilities Act (less than 4" off the wall located between 27"-84" from floor)
£	recessed depth		luminaire part to be colored (F2)		lamp protected against explosion
\$	ceiling thickness in mm		luminaire part to be colored (F3)		blown glass using traditional methods by master glass blower
	ceiling thickness selection		luminaire part to be colored (F4)	()	acoustic material
	dimmable DP (phase), DV (0-10V), DD (dali), DS (step-dim)		luminaire part to be colored (F5)		protection class I, protection insulation
6	included or excluded LED driver/transformer/ control gear		color of 3-circuit adaptor		protection class II, protection insulation
R	separately switchable	\odot	indirect diffuser		ETL Certified to UL and CSA Standards
シ	sensor	D	direct diffuser	c (H) u	UL Certified to UL and CSA Standards
	remote control	\odot	ball-proof (upon request)	SF:	CSA Certified to UL and CSA Standards
2	available upon request	U	accessory		Certified for North American Standards

IP RATING

IP20	protected against ingress of solid bodies greater than 12.5mm (finger)
IP33	protected against ingress of solid bodies greater than 2.5mm protected against sprays of water up to 60 degrees from the vertical (rain)
IP40	protected against ingress of solid bodies greater than 1mm (wire) no protection against the ingress of moisture
IP43	protected against ingress of solid bodies greater than 1mm (wire) protected against sprays of water up to 60 degrees from the vertical (rain)
IP44	protected against ingress of solid bodies greater than 1mm (wire) protected against water splashed from all directions
IP54	protected against limited ingress of dust (wet rooms/covered outdoor areas) protected against water splashed from all directions
IP65	protected against ingress of dust protected against jets of water
IP66	protected against ingress of dust protected against powerful jets of water or heavy seas
IP67	protected against ingress of dust protected against immersion of water between 15cm - 1m for 30 minutes
IP68	protected against ingress of dust protected against immersion of water under pressure for long periods

IK RATING

КО1	protected against 0.14 joules impact (equivalent to 0.25kg mass dropped from 56mm above the surface)
IK02	protected against 0.2 joules impact (equivalent to 0.25kg mass dropped from 80mm above the surface)
КОЗ	protected against 0.35 joules impact (equivalent to 0.25kg mass dropped from 140mm above the surface)
IK04	protected against 0.5 joules impact (equivalent to 0.25kg mass dropped from 200mm above the surface)
КО5	protected against 0.7 joules impact (equivalent to 0.25kg mass dropped from 280mm above the surface)
КОб	protected against 1 joules impact (equivalent to 0.25kg mass dropped from 400mm above the surface)
IK07	protected against 2 joules impact (equivalent to 0.5kg mass dropped from 400mm above the surface)
КОВ	protected against 5 joules impact (equivalent to 1.7kg mass dropped from 300mm above the surface)
1609	protected against 10 joules impact (equivalent to 5.0kg mass dropped from 200mm above the surface)
IK10	protected against 20 joules impact (equivalent to 5.0kg mass dropped from 400mm above the surface)

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