

Designed by : 9010 it





# HINT

MODEL:

RECESSED Pathmarkers / BETALY Surface finish : BETALY

### Code Product family Type

#### RECESSED LAMPS Pathmarkers

1304B-392-30172

### MATERIAL: BETALY®

### INSTALLATION:

Isolation Class: IP: Installation: Weight: II IP65 Recessed 3,9 Kg

### LIGHT SOURCE:

Light sourceLEDPower :4WTension:24VdcLumen:400lmColor temperature :3000KCRI:80Power supply :DW\_afWBai V&Egbb/k/&WbSYV&\$fa) fi

#### **FINISH OPTIONS:**

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On request available in white dyeable color

#### ACCESORIES:

- #" #ž Non-dimmable
- #" \$ž 0-10V dimmable
- #" %ž Triac dimmable
- #" &žA fZVøV[\_\_[`Y fkbVéa` dVøgVéf

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# DRIVER SPEC SHEET - 40W PWM Output LED Driver 026.303



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# Features

- Constant Voltage PWM style output with frequency 1.47kHz
- Plastic housing with class II design
- Built-in active PFC function
- Class 2 power unit
- No load power consumption <0.5W</li>
- Fully encapsulated with IP67 level
- Function: 3 in 1 dimming (dim-to-off)
- Typical lifetime>50000 hours



# Applications

- LED strip lighting
- Indoor LED lighting
- LED decorative lighting
- LED architecture lighting
- Type "HL" for use in Class I, Division 2 hazardous (Classified) location.

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#### SPECIFICATION

MODEL		026.303
OUTPUT	DC VOLTAGE	24V
	RATED CURRENT	1.67A
	RATED POWER	40.08W
	DIMMING RANGE	0~100%
	PWM FREQUENCY (Typ.)	1.47kHz
	SETUP, RISE TIME Note.2	500ms, 80ms 115VAC / 230VAC
	HOLD UP TIME (Typ.)	16ms/115VAC or 230VAC
INPUT	VOLTAGE RANGE Note.3	90 ~ 305VAC 127 ~ 431VDC (Please refer to "STATIC CHARACTERISTIC" section)
	FREQUENCY RANGE	47 ~ 63Hz
	POWER FACTOR (Typ.)	PF>0.97/115VAC, PF>0.95/230VAC, PF>0.92/277VAC @ full load (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)
	TOTAL HARMONIC DISTORTION	THD< 20%(@load≧60%/115VAC, 230VAC; @load≧75%/277VAC) (Please refer to "TOTAL HARMONIC DISTORTION" section)
	EFFICIENCY (Typ.)	89%
	AC CURRENT (Typ.)	0.6A / 115VAC 0.3A / 230VAC 0.25A / 277VAC
	INRUSH CURRENT (Typ.)	COLD START 50A(twidth=270µs measured at 50% Ipeak) at 230VAC; Per NEMA 410
	MAX. NO. of PSUs on 16A CIRCUIT BREAKER	9 units (circuit breaker of type B) / 16 units (circuit breaker of type C) at 230VAC
	LEAKAGE CURRENT	<0.25mA / 277VAC
	NO LOAD POWER CONSUMPTION	<0.5W
PROTECTION	OVERLOAD	108 ~ 130% rated output power
		Hiccup mode, recovers automatically after fault condition is removed
	SHORT CIRCUIT	Shut down o/p voltage, re-power on to recover
	OVER VOLTAGE	28 ~ 34V
		Shut down o/p voltage, re-power on to recover
	OVER TEMPERATURE	Shut down o/p voltage, re-power on to recover
ENVIRONMENT	WORKING TEMP.	Tcase=-40 ~ +85 $^\circ \rm C$ (Please refer to " OUTPUT LOAD vs TEMPERATURE" section)
	MAX. CASE TEMP.	Tcase=+85℃
	WORKING HUMIDITY	20 ~ 95% RH non-condensing
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)
	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes
SAFETY & EMC	SAFETY STANDARDS Note.5	UL8750( type "HL" ), UL879( for 12V,24V only), CSA C22.2 No. 250.13-12; ENEC EN61347-1, EN61347-2-13 independent, EN62384, IP67,BIS IS15885( for 12V,24V only), EAC TP TC 004,GB19510.1,GB19510.14 approved; Design refer to EN60335-1
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH
	EMC EMISSION Note.6	Compliance to EN55015, EN61000-3-2 Class C (@load≧60%) ; EN61000-3-3,GB17743 and GB17625.1, EAC TP TC 020
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; EN61547, light industry level (surge immunity Line-Line 2KV),EAC TP TC 020
OTHERS	MTBF	995.5K hrs min. Telcordia SR-332 (Bellcore); 270.02K hrs min. MIL-HDBK-217F (25°C)
	DIMENSION	150*53*35mm (L*W*H)
	PACKING	0.49Kg;30pcs/15.7Kg/1.0CUFT
NOTE	<ol> <li>All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature.</li> <li>De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details.</li> <li>Length of set up time is measured at first cold start. Turning ON/OFF the driver may lead to increase of the set up time.</li> <li>The driver is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.</li> <li>This series meets the typical life expectancy of &gt;50,000 hours of operation when Tcase, particularly (b) point (or TMP, per DLC), is about 75°C or less.</li> <li>Please refer to the warranty statement on MEAN WELL's website at http://www.meanwell.com</li> <li>The ambient temperature derating of 3.5°C/1000m with finaless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).</li> <li>For any application note and IP water proof function installation caution, please refer our user manual before using. fdp.NE_DEL/FDP/daolpU/moc.llewnaem.www/:sptth</li> <li>X product Liability Disclaimer - For detailed information, please refer to thttps://www.meanwell.com</li> </ol>	



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Dr Richland, MI 49083 USA



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Due to the dynamic nature of lighting products and the associated technologies, luminaire data on all sheet sheets is subject to change at the discretion of Gordon Bullard LLC and associated companies.

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### **○**Cautions

- Before commencing any installation or maintenance work, please disconnect the power supply from the utility. Ensure that it cannot be re-connected inadvertently!
- Keep proper ventilation around the unit and do not stack any object on it. Also a 10-15 cm clearance must be kept when the adjacent device is a heat source.
- Mounting orientations other than standard orientation or operate under high ambient temperature may increase the internal component temperature and will require a de-rating in output current.
- Current rating of an approved primary /secondary cable should be greater than or equal to that of the unit. Please refer to its specification.
- For LED drivers with waterproof connectors, verify that the linkage between the unit and the lighting fixture is tight so that water cannot intrude into the system.
- For dimmable LED drivers, make sure that your dimming controller is capable of driving these units.PWM series require 0.15mA each unit.
- Tc max. is identified on the product label. Please make sure that temperature of Tc point will not exceed limit.
- DO NOT connect "DIM- to Vo-".
- Suitable for indoor use or outdoor use without direct sunlight exposure. Please avoid immerse in the water over 30 minutes.
- The power supply is considered as a component that will be operated in combination with final equipment. Since EMC
  performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the
  complete installation again.

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