



Project Details

PROJECT	
DATE	
TYPE	
PREPARER	



The NB-WBW widebody Wrap fixture is designed for saving energy and easy installation, this versatile luminaire produces energy-efficient, comfortable illumination. Available in 4ft 25W/30W/40W with 3 CCT's 35K, 40K & 50K selectable by dip switch. The NB-WBW widebody wrap features a full wrap-around UV coated Polycarbonate prismatic lens designed for surface mounting and suspension applications.

SPECIFICATIONS Product Features

Construction

- Die formed cold-rolled steel
- Powder coat white finish
- Polycarbonate formed lens

Installation & Mounting

- Surface ceiling mount
- Surface wall mount
- Suspension cable (Sold Separately)

Controls & Dimming

- 0-10 Volt Dimming
- Bluetooth Mesh Controls
- 90 Mins Emergency back up

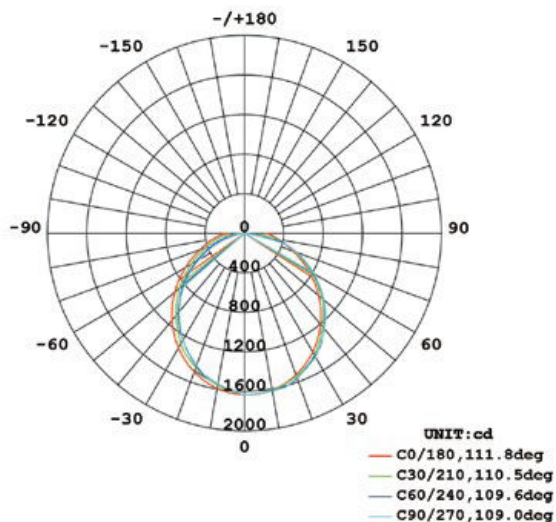
PERFORMANCE Summary

Input Voltage	100-277V
Input Frequency	50/60 Hz
Rated Wattage	25W, 30W, 40W
Efficacy	130 lm/W
CRI	>80
Available CCT	3500K, 4000K, 5000K
Rated Life (L70)	50,000 hrs
IP Rating	IP20
PF	>0.90
Certifications	ETL, DLC, CE, RoHS
Working Temp. (°F)	-4°F~113°F
LED Light Source	SMD 3030



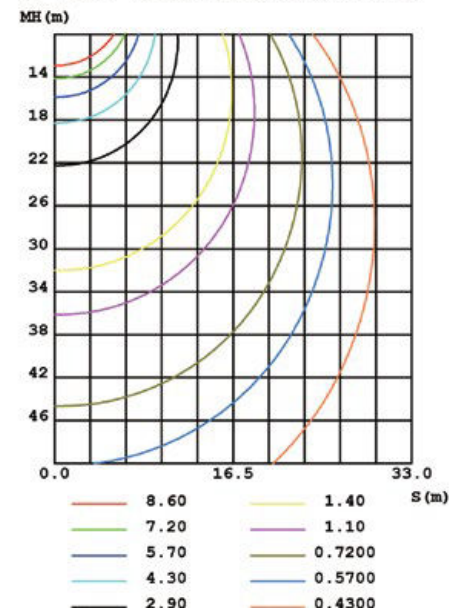
BEAM Angle

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE (50%) : 110.2 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



PERFORMANCE Data

MODEL	WATTAGE	CCT	LUMEN	EFFICACY (lm/W)	VOLTAGE
NB-WBW-4FT	25watt	3500K, 4000K, 5000K	3,250lm	130 lm/W	100-277vac
NB-WBW-4FT	30watt	3500K, 4000K, 5000K	3,900lm	130 lm/W	100-277vac
NB-WBW-4FT	40watt	3500K, 4000K, 5000K	5,200lm	130 lm/W	100-277vac

* Lumen output base on 5000K

ORDER Format

Sample: **NBL-WBW-4FT**

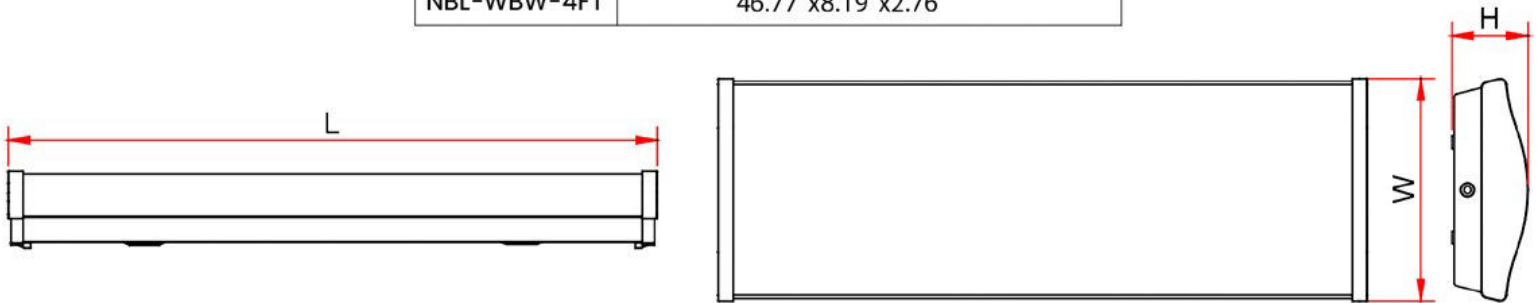
SERIES	WATTAGE	CCT	VOLTAGE	OPTICS	FINISH*
NB-WBW-4FT	30W/40W/50W	35 = 3500K 40 = 4000K 50 = 5000K	BLANK = 100-277V	120°	BLANK = White

MOUNTING Options

SC	Surface Ceiling	EM	Battery Backup
SCL	Suspension Cable (10FT)	MS	Motion Daylight & Dimming
		RC	Programing Tool

DIMENSIONS

Model	L×W×H
NBL-WBW-4FT	46.77"x8.19"x2.76"



KT-EMRG-LED-5C-500-SEN Constant Power Emergency Led Back-up Driver

Constant-Power Emergency LED Back-Up Driver | 5W Output | 120 –277V Input | CEC T20 Compliant

Driver Type	Constant Power Emergency LED Back-Up Driver	Safety Standards	UL 924, Complies with CEC Title 20 Efficiency Standards
Max. Output Power	5W	Location	IP20 design for dry and damp locations
Input Voltage	120-277 Vac ±10%	Number of Outputs	1
		Warranty	5 Years

ELECTRICAL Specifications

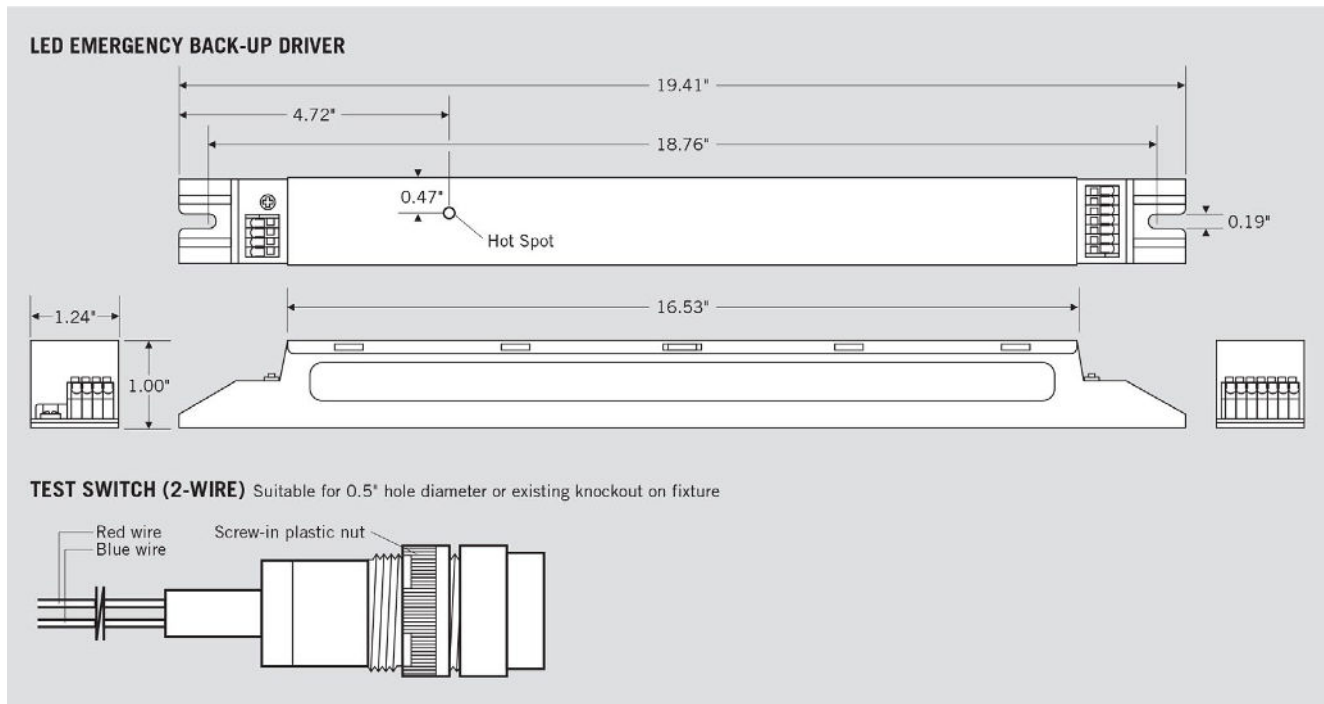
Input voltage range	120~277Vac \pm 10%
Frequency	50/60Hz
Power factor	> 0.5 under 120~277Vac input
Inrush current	7A @ 230V
Max input current	50mA @120V, 35mA @240V, and 30mA @277V
THD	< 170% under 120~277Vac input
Output voltage	20 –60Vdc Class 2 compliant Remarks: the output power is valid for output voltage \leq 58Vdc; above that power will drop
Output current	250mA @ 20Vdc, 86mA @ 58Vdc
Output power	5W (constant)
Turn-on Delay Time	< 1s
Overshoot	< 10%
Ripple & Noise (pk–pk)	< 10%
Withstand voltage	Input to output, 2800Vdc, 2mA
Leakage current	Maximum 0.5mA at 277Vac, 60Hz input
Protection	Over-voltage protection: Hiccup mode. Protection will trigger when load voltage exceeds specified output voltage and will auto recover after the fault mode is removed. Over-current protection: Hiccup mode. Protection will trigger when load current exceeds specified output current and will auto recover after the fault mode is removed. Short-circuit protection: Hiccup mode. Protection will trigger when short circuit and will auto recover after the fault mode is removed.
Emergency Operation	90 minutes
Battery	High-temperature, maintenance-free, LiFePO4 battery, 9.6Vdc, 3 cell
Recharge Time	24 hours
Battery Charging Current	307mA

ENVIRONMENTAL Specifications

Operating temperature	0°C/32°F to 55°C/131°F	Life rating	97,500 hours at 120Vac input, 100% load and 55°C/131°F case temp
Storage temperature	-20°C/- 4°F to 55°C/131°F	Maximum ambient temperature	55°C/131°F
MTBF	284,000 hours at 40°C/104°F ambient (~55°C/131°F case temp)	Humidity	5% to 95%

SAFETY and EMC Compliance

UL/cUL	UL 924, Complies with CEC Title 20 Efficiency Standards
FCC, 47CFR Part 15	ANSI C63.4:2009 Class B (consumer limit)
EN61000-3-2	Harmonic current emissions Class C



WIRING Diagram

