GREENTEK ENERGY SYSTEMS

UL CERTIFIED

GREENTEK ENERGY SYSTEMS, LLC
www.GreentekEnergySystems.com

P/N: GT-D2D-40WBT5GA1-abcef

Note:

GT=Company name;

D2D= Product series, LED DUSK TO DAWN LIGHT；

40W= Rating Power；

B=LED manufacturer,Lumileds 2835;

T5=light distribution type;

G= single color temperature;

A1 = Version number

"a" can be any two letters to represent lamp colors;

SH = Silver、BR=Bronze or Customized;

"b" can be any alphanumeric digit or blank for Surge-Protective Device or none;

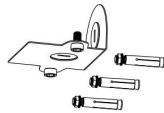"c" can be any alphanumeric digit or blank for photosensor type;

"e" can be Installation parts, "AM"=Pipe arm mount, "YM"=Wall mount;

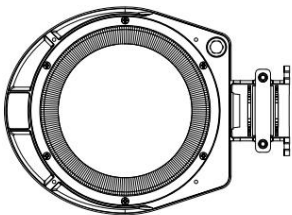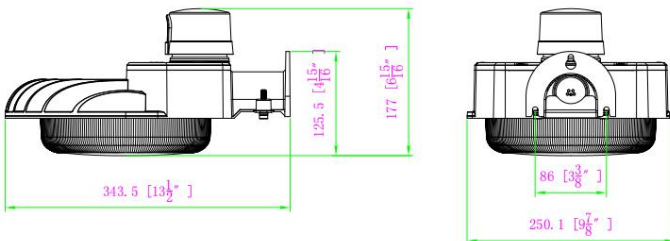"f" means 30=3000K,40=4000K,50=5000K CCT.

AM　　　　**YM**

DIMENSIONS

ADVANTAGE

- ➢ UL certificate.
- ➢ Lumileds Chip, high CRI.
- ➢ Input voltage 120-277VAC .
- ➢ Output constant current lever can be adjusted through output cable with 0-10V.
- ➢ No UV or IR in the beam.
- ➢ Easy to install and operate.
- ➢ Energy saving, long lifespan.
- ➢ Light is soft and uniform, safe to eyes.
- ➢ Instant start, NO flickering, NO humming.
- ➢ Green and eco-friendly without mercury.

Application

- ◆ Residential Area,Plaza,Sightseeing Area;
- ◆ Factories,Courtyards,Fishing port,Exterior of warehouses;
- ◆ entrance lighting，courtyard lighting,Industrial lighting,Outdoor landscape lighting;
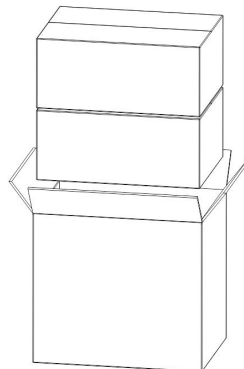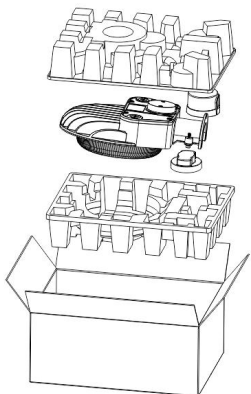- ◆ Wall lighting area and so on.

SPECIFICATIONS

OPTICAL	Input Power (Tolerance : ±10%)	40W		
	Color Temperature	3000K	4000K	5000K
	Lumen (Tolerance : -10%)	5720 LM	5800 LM	5880 LM
	Efficacy (Tolerance : -3%)	143 LM/W	145 LM/W	147 LM/W
	CRI	>80		
	Color Consistency	＜6 Steps (or ＜6 SDCM)		
	BUG	B2-U2-G1		
	Distribution Pattern	TYPE Ⅴ		
	Beam Angle (50%) (Tolerance : ±15%)	(140º *140°)		
ELECTRICAL	Input Voltage and Frequency	120-277VAC, 50/60Hz		
	PF (Tolerance : -3%)	≥0.9		
	THD (Tolerance : +5%)	≤20%		
	Flicker Percent	<32%		
	Driver Brand	WeledPower		
	Driver Model	WP-HLA-040U0420900		
	Driver Surge protection	L/N-PE: 2kV, L-N: 2kV		
	Dimming	0-10V dimming standard		
	Optional Accessory	Photocell /Surge protector		
MATERIALS	LED Brand	Lumileds		
	LED Type	SMD2835		
	LED QTY	84PCS		
	Housing	Die-cast aluminum		
	Housing Color	Silver, Bronze, or Customized		
	EPA	0.42 ft^2		
	Waterproof Rating	WET（IP65）		
OTHERS	Operating Temperature	-40℃ TO 50℃		
	Storage Temperature	-40℃ TO 80℃		
	Operating Humidity	20％ - 90％ RH		
	Storage Humidity	10％ - 95％ RH		
	Warranty	5 years warranty with 24/7 operating hours Luminaire lifetime at 25℃.		

PACKAGE

Lamp Net Weight: 2.5 KG / PC

	Size	Qty/ Carton	Weight / Carton
Inner box	405 x 315 x 168mm	1	3.1 KG
Outer box	420 x 330 x 355mm	2	6.9 KG

Tolerance of Carton Size: ±15 MM, Tolerance of Weight: ±10%.

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LIGHT DISTRIBUTION TESTING PARAMETERS < Type Ⅴ >

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
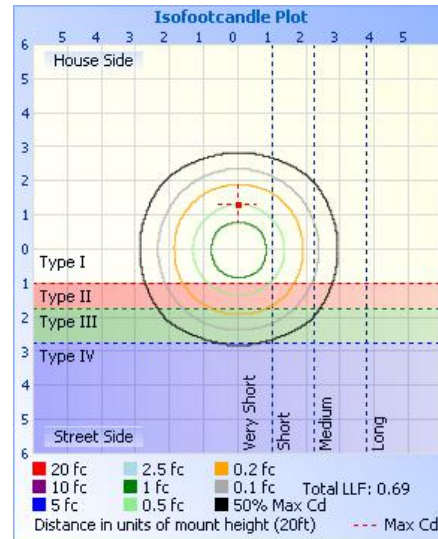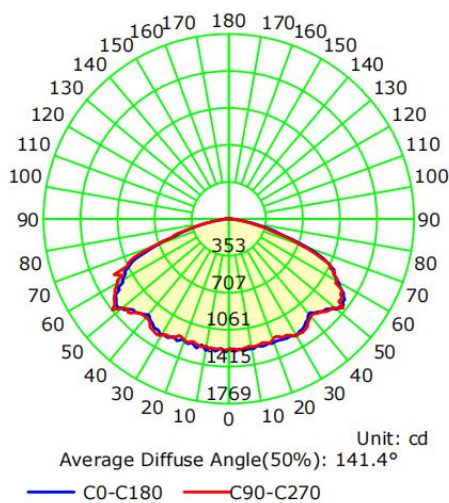Current: 0.329 A
Power Factor: 0.996

Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 120.0 V
Power: 39.30 W

Photometric Results

IES Classification: Type VS
Total Rated Lamp Lumens: 5666.5 lm
Efficiency: 100%
Upward Ratio: 1%
C0r0 Intensity: 1247.52 cd
Pos of Max. Intensity: H270 V52

Longitudinal Classification: Very Short
Measurement Flux: 5666.5 lm
Downward Ratio: 99%
Luminaire Efficacy Rating (LER): 144.24
Max. Intensity: 1415.82 cd

Luminous Intensity Distribution Curve

Unit: cd
Average Diffuse Angle(50%): 141.4°

—— C0-C180   —— C90-C270

Isofootcandle Plot

House Side

Type I
Type II
Type III
Type IV

Street Side

Very Short | Short | Medium | Long

20 fc | 2.5 fc | 0.2 fc
10 fc | 1 fc | 0.1 fc   Total LLF: 0.69
5 fc | 0.5 fc | 50% Max Cd
Distance in units of mount height (20ft)   --- Max Cd

NOTICE FOR USER

➢ Please turn off power before install or change assembly parts.
➢ The input voltage and lamps should be matched, after connecting the power line,
   Please make sure the wiring section is insulated.
➢ No-professionals, must not install and disassemble the lamps.

TROUBLE SHOOTINGS

Troubles	Check points
Flickering of the light	Turn off the power and turn on again in 3 minutes. If same phenomena occur, then call agencies.
Out of working	Please check the connection.