

THUNDERBIRD SHOEBOX - LED DARK SKY LUMINAIRE

Single Source Responsibility – Self Cleaning Housing Design



FEATURES

- 40-60% energy reduction
- 60,000 hour system life
- Equals up to 250 watt HID
- LM80 Certified LEDs
- American made
- Minimal UV
- Replaceable components
- White 4100K – 70+ CRI
- Bi-level power option

BENEFITS

- Qualifies for all rebates
- 15 Year maintenance cycle
- Versatile usage
- Certified by DOE
- Quality components
- Does not attract insects
- Easily maintained if necessary
- Excellent visibility
- Light to activity level

APPLICATIONS

- Street lighting
- Parking Areas
- Retro-fit existing fixtures
- Solar Power Systems

Specifications/Features

GENERAL

- Premium LED Area Light
- Replace up to 250W HID
- Optics retro-fit into existing fixtures
- Up to 4 to 1 spacing
- Uses 40 (75W) LEDs
- Proven self-cleaning housing

CONSTRUCTION

- Die-cast aluminum housing
- 16 oz aluminum LED heat sinks
- Plug in LED boards and driver
- Stainless Steel hardware
- Tempered glass lens
- American LEDs
- Dark Bronze Powder Coat

OPTICS

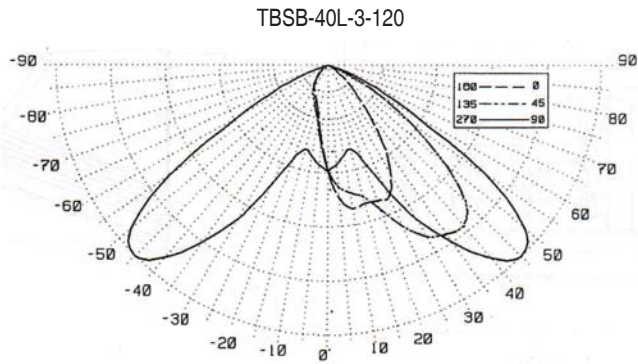
- LEDs aimed at task
- Patent pending optical system
- Over 80% task efficiency
- Almost perfect uniformity

ELECTRICAL/WARRANTY

- Electronic Driver
- LED Boards wired in parallel
- Surge protection
- Instant on
- -40°F starting
- 60,000 hour LED life
- 30% lumen depreciation at 60K hours
- 3 Year limited warranty

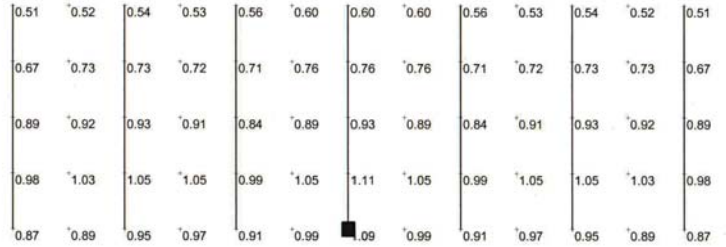


Photometrics

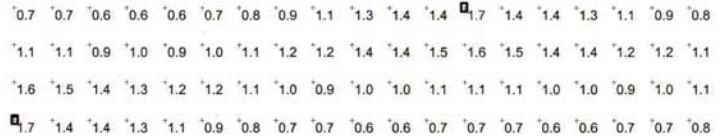


LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30	516	12.9%	16.9%
30-30	2370	59.3%	77%
60-90	164	4.0%	5.3%
0-90	3050	76.2%	100%

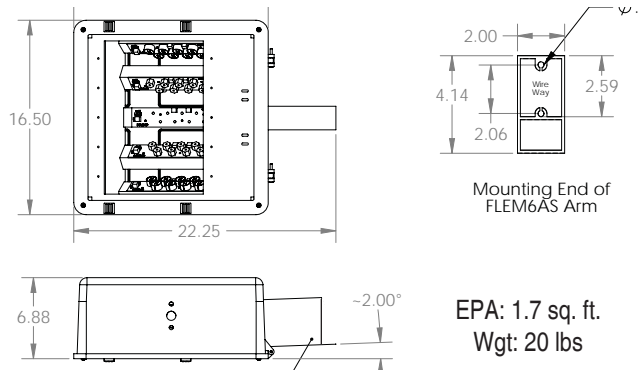


60' x 60' spacing 20'MH
AVG. FC=.70; 3.8 to 1 max to min



15' MH 60' SPACING
Avg. FC=1.1, 2.8 to 1 max to min

Dimensions



LED Heat Sink



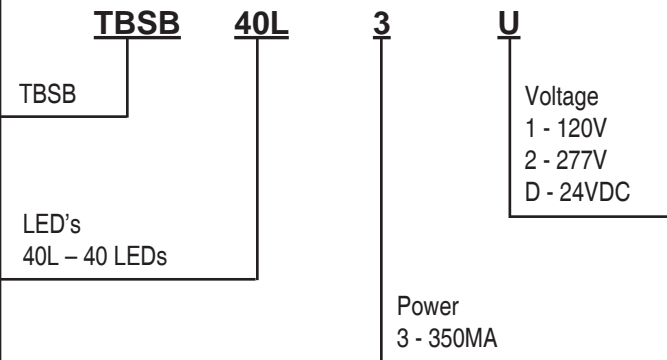
Adjustable 14" arm

Options

- "PC" - Photo control
- "BL" - Bi-Level Control
- "WG" - Wire Guard
- "PG" - Polycarbonate Guard
- "BS" - Backlight Shield

- Square Pole Arms (Use R suffix for round pole)
- "6AS" - 6" Extruded Aluminum Arm
 - "10AS" - 10" Extruded Aluminum Arm
 - "12AS" - 12" Extruded Aluminum Arm
 - "18AS" - 18" Extruded Aluminum Arm
 - "14TA" - 14" Adjustable Tilt Arm (fits S or R pole)

THUNDERBIRD - SB Catalogue Numbers



Project Name:

Type	Catalogue Number	Comments

Guth utilizes the services of U.L. and ETL for listing products
Specifications and data are subject to change without notice.