

Underpasses
Tunnel Lighting Applications
Bridges



Specifications



- HOUSING** Design TU-24 luminaire shall be constructed of heavy gauge welded aluminum and ground smooth with one piece construction providing exceptional strength and rigidity. This ingenious construction is achieved with no visible fasteners. Reflector with a lamp socket assembly is mounted on a separate compartment. The ballast compartment wiring is isolated from the lamp section. Access to the ballast compartment shall be through a hinged door cover, secured by a 1/4 turn fastener. The ballast compartment shall serve as the luminaires's splice box. Exterior finish is painted powder coated polyurethane Bronze.
- LENS** Optically flat clear tempered glass is heat and impact resistant. The lens doors are welded extruded aluminum ground smooth and powder coated same as fixture housing. A concealed hinge is mounted to main housing.
- LATCHES** Aircraft type quarter turn latches with leaf spring retainers. These latches combine the advantages of ease of operation along with maximum resistance to fatigue and vibration.
- GASKETING** The entire lens assembly shall be gasketed using silicone-impregnated Dacron gasketing. This material will permit the luminaire interior to "breathe" during periods of energizing and de-energizing, but will exclude all dirt, insects and moisture.
- OPTICAL SYSTEM** Reflector type 14G is heat resistant polysulfane, plated with aluminum and protected by a coating of silicone oxide. Reflector type 24B is one piece of hydroformed faceted specular aluminum with flats to re-direct reflected light away from the arc tube of the lamp.
- LAMP SUPPORT** Socket and mounting bracket assembly is mounted to the housing enabling the lamp to be adjusted for peak candlepower angles and cut-off control. Socket assembly includes a lamp stabilizer, protecting the arc tube from vibration.
- BALLAST** All ballasts furnished are high power factor (90% minimum). Mercury vapor, metal halide, and high pressure sodium ballasts incorporate CWA (constant wattage auto transformer) circuitry providing 10-10% voltage-to-wattage regulation. A 10% input voltage variation results in a 10% lamp wattage variation. All ballasts provide reliable lamp starting to -20 degrees Fahrenheit. All ballast components; core and coil, capacitors and starter, are mounted to main support brace.

PROJECT
FIXTURE TYPE
CATALOG#

Metrolux
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TU-24

Ordering Example:

TU-24 - F - MH400 - 240 - FD
 1 2 3 4 5

1. Luminaire

TU-24

2. Distribution

Asymmetrical

3. Lamp Type & Wattage (All lamps are mogul base)

- | | |
|---------------------------------|----------------------------------|
| <input type="checkbox"/> HPS150 | <input type="checkbox"/> HPS400 |
| <input type="checkbox"/> HPS250 | <input type="checkbox"/> HPS1000 |
| <input type="checkbox"/> MV175 | <input type="checkbox"/> MV400 |
| <input type="checkbox"/> MV250 | <input type="checkbox"/> MV1000 |
| <input type="checkbox"/> MH175 | <input type="checkbox"/> MH400 |
| <input type="checkbox"/> MH250 | <input type="checkbox"/> MH1000 |

4. Ballast Voltage

- | | | |
|------------------------------|------------------------------|------------------------------|
| <input type="checkbox"/> 120 | <input type="checkbox"/> 208 | <input type="checkbox"/> 240 |
| <input type="checkbox"/> 277 | <input type="checkbox"/> 480 | |

5. Electrical Options

- | | |
|-------------------------------|---|
| <input type="checkbox"/> RB | Remote Ballast |
| <input type="checkbox"/> FD | Single Fusing - 120V/277V |
| <input type="checkbox"/> FDC | Single Fusing - 347V |
| <input type="checkbox"/> FDD | Double Fusing - 480V |
| <input type="checkbox"/> FDFD | Double Fusing - 208V/240V |
| <input type="checkbox"/> TB | Terminal Block |
| <input type="checkbox"/> IRS | Instant Restrike Starter (HPS HX-HPF only) 150W Max |

6. Other Options

- | | |
|------------------------------|---|
| <input type="checkbox"/> WG | Wire Lens Guard |
| <input type="checkbox"/> LMP | Lamp Factory-Installed |
| <input type="checkbox"/> SRC | Salt Resistant Coating (marine grade 3,000 hr.) |
| <input type="checkbox"/> PMP | Pendant Mounting Plate |

COLOR CHOICES

FINISH



Dimensions -

117-14G	117-24B
A - 23½"	A - 34"
B - 8½"	B - 8½"
C - 173/4"	C - 211/2"
D - 2.375 O.D. Pipe 5/14 Insert	D - 2.375 O.D. Pipe 5/14 Insert
Weight 30 LBS.	Weight 60 LBS.
Projected Area 1.66 SQ. FT.	Projected Area 2.4 SQ. FT.

