



BAYLIGHTER®

EBY350 SERIES High Bay Luminaire



- High Bay Luminaire
- Quarter Turn Rotary Locking Sockets
- Frame & Lens Assembly With Safety Cables
- Removable Wiring Access Plate
- Surface, Cable or Chain Mountable
- Available with:
 - Fluorescent, LED and LED T8 (Internally Driven)
 - .040 Aluminum Fixture Housing
 - 95% Enhanced Specular Aluminum Reflectors
 - Variety of Lenses
 - Emergency Battery Pack
 - Sensor
 - 11ga. Wire Guard



Photometric Data and IES Files are Available on www.lalighting.com

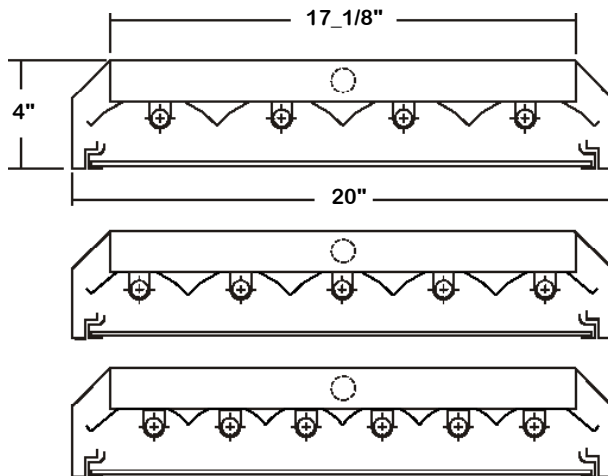


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www.lalighting.com



EBY350 SERIES

CROSS SECTION



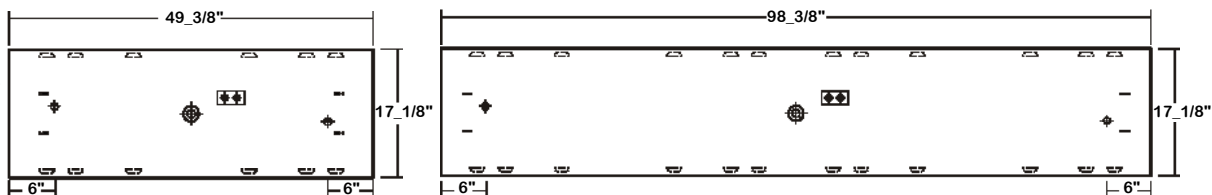
● ALUMINUM REFLECTOR SECURED WITH QUARTER TURN FASTENERS FOR EASE OF MAINTENANCE.

CATALOG NUMBER

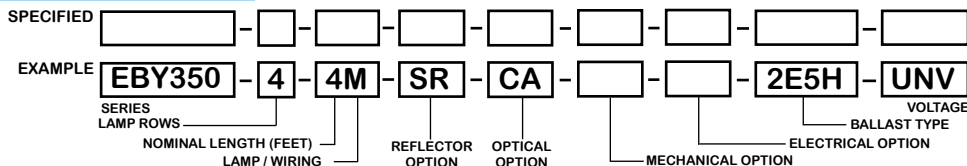
| | NOMINAL LENGTH | TOTAL LAMPS | | NOMINAL LENGTH | TOTAL LAMPS |
|--------------|----------------|-------------|--------------|----------------|-------------|
| EBY350-4-4M | 4' | 4 | EBY350-4-4R | 4' | 4 |
| EBY350-5-4M | 4' | 5 | EBY350-5-4R | 4' | 5 |
| EBY350-6-4M | 4' | 6 | EBY350-6-4R | 4' | 6 |
| EBY350-4-8MT | 8' | 8 | EBY350-4-8RT | 8' | 8 |
| EBY350-5-8MT | 8' | 10 | EBY350-5-8RT | 8' | 10 |
| EBY350-6-8MT | 8' | 12 | EBY350-6-8RT | 8' | 12 |

BACK PLATE

- V-HOOK
- ⊕ ACCESS PLATE
- ⊕ 7/8" OFFSET K.O.
- ⊕ 2" K.O.



ORDERING GUIDE



NOTE: LAMP/WIRING*

M= Miniature Bi-Pin T5
 R = Medium Bi-Pin T8
 MT= Miniature Bi-Pin T5, Tandem Wiring
 RT = Medium Bi-Pin T8, Tandem Wiring

OPTIONS AND ACCESSORIES

- REFLECTOR OPTIONS
 - Specular Aluminum Reflector (95%) SUFFIX SR
 - White Reflector SUFFIX WR
- OPTICAL OPTIONS
 - Clear Acrylic SUFFIX CA
 - Clear Prismatic Acrylic SUFFIX PA
 - Polycarbonate Lenses *
 - High Impact Acrylic *
 - * Other Lens Available Upon Request

- MECHANICAL OPTIONS
 - Gasketing SUFFIX GSK*
- ELECTRICAL OPTIONS
 - Emergency Battery Pack SUFFIX BP*
 - External Line Fusing (HLR/GLR) SUFFIX ELF
 - Motion Sensor SUFFIX MS

- BALLAST OPTIONS*
 - Electronic T5 SUFFIX xE5
 - Electronic T5HO SUFFIX xE5H
 - Electronic T8 Instant Start SUFFIX xE8I
 - Electronic T8 Rapid Start SUFFIX xE8R
 - Electronic T8HO SUFFIX xE8H
- x = Number of Lamps per Ballast

- ACCESSORIES
 - Wire Guard - 11 Ga. CAT.NO. WG11-EBY350
 - Fixture Suspension System *
 - Ceiling Spacer *
 - 6" Leg Height V-Hook V6

*Refer to www.lalighting.com/resources for more information

SPECIFICATIONS

- TYPE
- CONSTRUCTION
- FINISH
- REFLECTOR
- DOOR FRAME
- OPTICS
- WIRE GUARDS
- WIRING
- LABELS

High bay luminaire for surface or chain mounting. Must be spaced a minimum of 1 1/2" from ceiling when surface mounted.

22 gauge cold rolled steel housing with louvered vents on top for heat removal.

Quarter turn rotary locking lampholders standard. (20 ga. C.R.S. and .040 aluminum housing available as specified)

Baked white polyester finish, minimum reflectance 86%. (Powder coated finish available.)

Specular aluminum reflector standard, 95% reflectance. (White reflector available)

20 ga. cold rolled steel door frame. T-hinge and positive spring loaded latches. Safety cables attached.

Clear acrylic lens standard. Extensive variety of lenses, diffusers and louvers available.

11 ga. powder coated.

120v 60Hz., 277v 60Hz., UNV (universal voltage 120v thru 277v.) or as otherwise specified.

Multiple levels of switching available as specified.

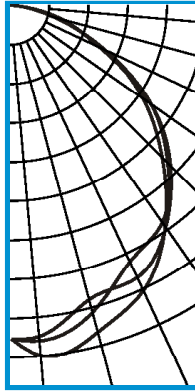
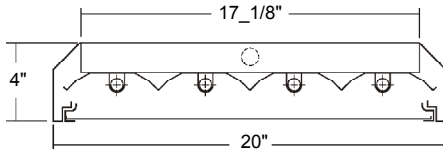
U.L. Listed. Suitable for damp locations.



PHOTOMETRIC DATA

EBY350-4-4M-SR-CA-E5H

TEST NO.=LA-T1027
 LAMP TYPE=F54T5HO
 NO. OF LAMP=4
 LUMENS PER LAMP=5000
 WATTS PER LAMP=54
 BALLAST FACTOR=1
 PHOTOMETRY TYPE=C



CANDLEPOWER

| ANGLE | END | 45 | CROSS |
|-------|------|------|-------|
| 0 | 5968 | 5968 | 5968 |
| 5 | 6301 | 6025 | 5941 |
| 15 | 6038 | 5668 | 5435 |
| 25 | 5609 | 5039 | 5360 |
| 35 | 4791 | 4716 | 4814 |
| 45 | 3797 | 3940 | 4014 |
| 55 | 2852 | 3026 | 3014 |
| 65 | 1801 | 1807 | 1715 |
| 75 | 767 | 798 | 909 |
| 85 | 130 | 147 | 135 |
| 90 | 1 | 1 | 2 |
| 95 | 0 | 0 | 0 |
| 105 | 0 | 0 | 0 |
| 115 | 0 | 0 | 0 |
| 125 | 0 | 0 | 0 |
| 135 | 0 | 0 | 0 |
| 145 | 0 | 0 | 0 |
| 155 | 0 | 0 | 0 |
| 165 | 0 | 0 | 0 |
| 175 | 0 | 0 | 0 |
| 180 | 0 | 0 | 0 |

ZONAL LUMEN SUMMARY

| DEGREES | LUMENS | % LAMP | % FIXTURE |
|---------|--------|--------|-----------|
| 0-30 | 4631 | 23.2 | 28.8 |
| 0-40 | 7621 | 38.1 | 47.4 |
| 0-60 | 13332 | 66.7 | 82.9 |
| 0-90 | 16081 | 80.4 | 100.0 |
| 90-120 | 0 | 0.0 | 0 |
| 90-150 | 0 | 0.0 | 0 |
| 90-180 | 0 | 0.0 | 0 |
| 0-180 | 16081 | 80.4 | 100.0 |

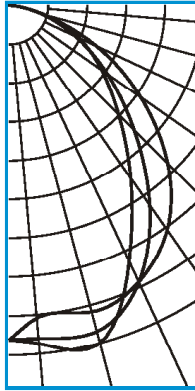
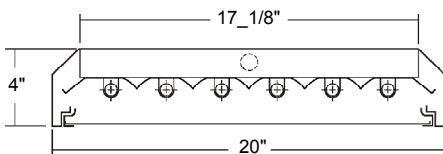
Lumen Output = 16081 lumens
 Luminaire Efficiency = 80.4%

SPACING CRITERION

| ALONG | ACROSS |
|-------|--------|
| 1.27 | 1.26 |

EBY350-6-4M-SR-CA-E5H

TEST NO.=LA-T1028
 LAMP TYPE=F54T5HO
 NO. OF LAMP=6
 LUMENS PER LAMP=5000
 WATTS PER LAMP=54
 BALLAST FACTOR=1
 PHOTOMETRY TYPE=C



CANDLEPOWER

| ANGLE | END | 45 | CROSS |
|-------|-------|-------|-------|
| 0 | 9729 | 9729 | 9729 |
| 5 | 9752 | 10083 | 9785 |
| 15 | 10122 | 9650 | 8242 |
| 25 | 8995 | 8452 | 7505 |
| 35 | 8076 | 6865 | 6578 |
| 45 | 6447 | 5489 | 5169 |
| 55 | 4578 | 4000 | 3786 |
| 65 | 2809 | 2402 | 2482 |
| 75 | 1108 | 1170 | 1380 |
| 85 | 201 | 216 | 188 |
| 90 | 2 | 4 | 1 |
| 95 | 0 | 0 | 0 |
| 105 | 0 | 0 | 0 |
| 115 | 0 | 0 | 0 |
| 125 | 0 | 0 | 0 |
| 135 | 0 | 0 | 0 |
| 145 | 0 | 0 | 0 |
| 155 | 0 | 0 | 0 |
| 165 | 0 | 0 | 0 |
| 175 | 0 | 0 | 0 |
| 180 | 0 | 0 | 0 |

ZONAL LUMEN SUMMARY

| DEGREES | LUMENS | % LAMP | % FIXTURE |
|---------|--------|--------|-----------|
| 0-30 | 7552 | 25.2 | 31.5 |
| 0-40 | 12009 | 40.0 | 50.0 |
| 0-60 | 20054 | 66.8 | 83.5 |
| 0-90 | 24006 | 80.0 | 100.0 |
| 90-120 | 1 | 0.0 | 0 |
| 90-150 | 1 | 0.0 | 0 |
| 90-180 | 1 | 0.0 | 0 |
| 0-180 | 24006 | 80.0 | 100.0 |

Lumen Output = 24006 lumens
 Luminaire Efficiency = 80.0%

SPACING CRITERION

| ALONG | ACROSS |
|-------|--------|
| 1.30 | 1.09 |

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