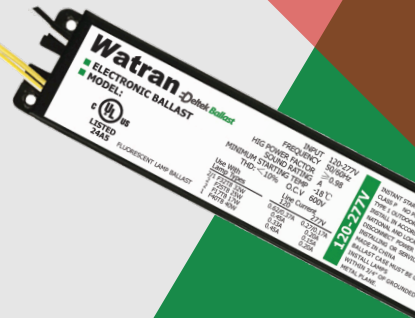


BALLAST PRODUCT LIST



CROSS REFERENCE GUIDE

- MAGNETIC HID BALLASTS
- CAPACITORS / IGNITOR
- ELECTRONIC FLUORESCENT
- COMPACT FLUORESCENT
- ELECTRONIC SIGN BALLASTS
- E-HID BALLASTS





PULSE START METAL HALIDE

| Picture | Universal Catalog # | Advance Catalog # | Deltek Code / Description | | CIRCUIT TYPE | ANSI CODE | TAP |
|---------|---------------------|-------------------|---------------------------|-------------|--------------|------------|-----|
| | M50MLTLC3M-500K | 71A5191-001D | 83602 | P50ML5AC3 | HX-HPF | M110 | 5 |
| | M70MLTLC3M-500K | 71A5292-001D | 88603 | P70ML5AA3 | HX-HPF | M98/M85 | 5 |
| | M100MLTLC3M-500K | 71A5390-001D | 88604 | P100ML5AA3 | CWA | M90 | 5 |
| | M150MLTLC3M-500K | 71A5492-001D | 88605 | P150ML5AA3 | CWA | M102/M81 | 5 |
| | P175MLTAC4L | 71A5593-500DEE | 85506 | P175MLTEC4 | CWA | M137,M152 | 4* |
| | P200277RCEM | 71A5692-500DEE | 85507 | P200MLTEC4 | CWA | M136 | 4* |
| | P250MLTAC4L | 71A5737-001DEE | 85508 | P250MLTEC4 | CWA | M138, M153 | 4* |
| | P250ML5AC4M-500K | 71A5752-001D | 88608 | P250ML5AA4 | CWA | M138, M153 | 5 |
| | P320MLTAC40 | 71A5837-001DEE | 85509 | P320MLTEC4 | CWA | M132,M154 | 4* |
| | P320ML5AC4M-500K | 71A5892-001D | 88609 | P320ML5AA4 | CWA | M132,M154 | 5 |
| | P350MLTAC4M | 71A5937-001DEE | 85510 | P350MLTEC4 | CWA | M131 | 4* |
| | P350ML5AC4M-500K | 71A5993-001D | 88610 | P350ML5AA4 | CWA | M131 | 5 |
| | P400MLTAC4M | 71A6137-001DEE | 85511 | P400MLTEC4 | CWA | M135, M155 | 4* |
| | P400ML5AC4M-500K | 71A609-001D | 88611 | P400ML5AA4 | CWA | M135, M155 | 5 |
| | P75048TAC5M-500K | 71A6452-001D | 88613 | P750ML5AA5 | CWA | M149 | 5 |
| | P1000ML5AC5M-500K | 71A6553-001D | 84614 | P1000ML5AB5 | CWA | M141 | 5 |

PROBE START METAL HALIDE

| Picture | Universal Catalog # | Advance Catalog # | Deltek Code / Description | | CIRCUIT TYPE | ANSI CODE | TAP |
|---------|---------------------|-------------------|---------------------------|-------------|--------------|-----------|-----|
| | M175ML5AC3M-500K | 71A5570-001D | 87606 | M175ML5AA3 | CWA | M57 | 5 |
| | M175MLTAC3M-500K | 71A5570-001D | 81506 | M175MLTAC3 | CWA | M57 | 4 |
| | M250ML5AC4M-500K | 71A5750-001D | 87608 | M250ML5AA4 | CWA | M58 | 5 |
| | M400ML5AC4M-500K | 71A6051-001D | 87611 | M400ML5AA4 | CWA | M59 | 5 |
| | M1000ML5AC5M-500K | 71A6552-001D | 87614 | M1000ML5AA5 | CWA | M47 | 5 |
| | M1500MLTACM-500K | 71A6772-001D | 81615 | M1500ML5AC5 | CWA | M48 | 5 |

HIGH PRESSURE SODIUM

| Picture | Universal Catalog # | Advance Catalog # | Deltek Code / Description | | CIRCUIT TYPE | ANSI CODE | TAP |
|---------|---------------------|-------------------|---------------------------|-------------|--------------|-----------|-----|
| | S50MLTLC3M-500K | 71A7891-001D | 82502 | S50MLTLC3 | HX-HPF | S68 | 4 |
| | S70MLTLC3M-500K | 71A7971-001D | 82503 | S70MLTLC3 | HX-HPF | S62 | 4 |
| | S100MLTLC3M-500K | 71A8071-001D | 82504 | S100MLTLC3 | HX-HPF | S54 | 4 |
| | S150MLTLC3M-500K | 71A8172-001D | 82505 | S150MLTLC3 | HX-HPF | S55 | 4 |
| | S200MLTAC4M-500K | 71A8970-001D | 86507 | S200MLTAA4 | CWA | S66 | 4 |
| | S250ML5AC4M-500K | 71A8251-001D | 86608 | S250ML5AA4 | CWA | S80 | 5 |
| | S400ML5AC4M-500K | 71A8453-001D | 86611 | S400ML5AA4 | CWA | S51 | 5 |
| | S600MLTAC5M-500K | 71A85E5-510D | 86612 | S600ML5AA4 | CWA | S106 | 5 |
| | S1000ML5AC5M-500K | 71A8753-001D | 86614 | S1000ML5AA5 | CWA | S52 | 5 |

*CA Title 20 Energy efficiency compliant >88%



ELECTRONIC FLUORESCENT BALLAST T8 INSTANT START HIGH BEF - PROGRAM START

| Picture | Deltek Code | Description | Voltage | # Lamps/Wattage | BF | Input Watts | Pcs/Ctn |
|---------|-------------|---------------------|------------|--|------|-------------|---------|
| | 80210 | DB-232N-MV-TP-HE | 120 / 277V | 2/1 F40/F32/F25/F17 - 2/1 FB32/FB31/FR28 | 0.87 | 55 | 10 |
| | 80220* | DB-232N-MV-TP-PS-HL | 120 / 277V | 2 F40/F32/F25/F17 - 2 FB32/FB31/FR28 | 0.88 | 57 | 10 |
| | 80213 | DB-332N-MV-TP-HE | 120 / 277V | 3/2 F40/F32/F31/F25/F17 - 3/2 FB32/FB31/FR28 | 0.87 | 83 | 10 |
| | 80221* | DB-332N-MV-TP-PS-HL | 120 / 277V | 3 F40/F32/F31/F25/F17 - 3 FB32/FB31/FR28 | 0.88 | 87 | 20 |
| | 80215 | DB-432N-MV-TP-HE | 120 / 277V | 4/3 F40/F32/F25/F17 - 4/3 FB32/FB31/FR28 | 0.88 | 110 | 10 |
| | 80219 | DB-259-MV-TP-PIC-SL | 120 / 277V | 2/1 P96 Instant Start | 0.85 | 113 | 10 |
| | 80237 | DB-286HO-MV-TP-IS | 120 / 277V | 2/1 P96HO (80W) | 0.84 | 148 | 50 |
| | 80233 | DB-232N-120-TP-RS | 120V | 2/1 F32T8 F40T12/F34T12/F30T12/F25T12/F20T12 | 0.88 | 32 | 10 |

ELECTRONIC FLUORESCENT BALLASTS T5 PROGRAM START

| Picture | Deltek Code | Description | Voltage | # Lamps/Wattage | BF | Input Watts | Pcs/Ctn |
|---------|-------------|------------------------|------------|---|------|-------------|---------|
| | 80236 | DB-4M54-PS-MV-90 | 120 / 277V | 4/3/2 F54 HO - 4/3/2 FT55 2G11 - 4/3/2 CFT50 2G11 | 1.00 | 231 | 10 |
| | 80218 | DB-254HO-MV-TP-PS-SL90 | 120 / 277V | 2/1 F54 HO/FC12 HO/CF75 2G11/CFT50 2G11 | 1.00 | 120 | 10 |
| | 80231 | DB-2S28-PS-MV | 120 / 277V | 2/1 F35/F28/F21/F34 | 1.00 | 62 | 10 |
| | 80232 | DB-2S39-PS-MV | 120 / 277V | 2/1 F39/F24 | 1.00 | 85 | 10 |

ELECTRONIC FLUORESCENT BALLASTS T9 CIRCLINE

| Picture | Deltek Code | Description | Voltage | # Lamps/Wattage | BF | Input Watts | Pcs/Ctn |
|---------|-------------|----------------|---------|-------------------------------|------|-------------|---------|
| | 80225 | DB1S26RS120N | 120V | 1 CF326W(224w)-2(30w)/FC(22w) | 0.88 | 22/26 | 10 |
| | 80226 | DB1S40RS120N | 120V | 1 F16(40w)/F12(32w) | 0.88 | 33/40 | 10 |
| | 80227 | DB2S2232RS120N | 120V | 2 FC12(32w)/FC(22w) | 0.72 | 40 | 20 |
| | 80228 | DB2S3240RS120N | 120V | 2 FC16(40w)/FC12(32w) | 0.77 | 58 | 20 |

ELECTRONIC FLUORESCENT BALLASTS T12 RAPID START AND INSTANT START

| Picture | Deltek Code | Description | Voltage | # Lamps/Wattage | BF | Input Watts | Pcs/Ctn |
|---------|-------------|-------------------|------------|--|------|-------------|---------|
| | 80205 | DB-240-RS-MV | 120 / 277V | 2 F40/F34/F30/F25 | 0.82 | 107 | 20 |
| | 80206 | DB-275-IS-MV | 120 / 277V | 2/1 Lamp (75/60w)/F72 (55w) | 1.20 | 75 | 20 |
| | 80224 | DB-2110-RS-MV | 120 / 277V | 1/2 P96/110w/HO E595w/F7285 | 1.00 | 119 | 20 |
| | 80233 | DB-232N-120-TP-RS | 120V | 2/1 F32T8 F40T12/F34T12/F30T12/F25T12/F20T12 | 0.88 | 32 | 10 |

COMPACT FLUORESCENT BALLASTS

| Picture | Deltek Code | Description | Voltage | # Lamps/Wattage | BF | Input Watts | Pcs/Ctn |
|---------|-------------|----------------|------------|------------------------------|------|-------------|---------|
| | 80207K | DBC218MVRN-Kit | 120 / 277V | 2/1 Lamp 13/18/21w | 0.98 | 38 | 50 |
| | 80208K | DBC226MVRN-Kit | 120 / 277V | 2 Lamp 21/26 - 1 Lamp 32/42w | 0.99 | 52 | 50 |
| | 80204K | DBC242MVRN-Kit | 120 / 277V | 2/1 Lamp 22/42w | 1.00 | 94 | 50 |

ELECTRONIC SIGN BALLASTS

| Picture | Watran Code | Description | Voltage | Number of Lamps | Min/Max Footage | Max/Min Input W |
|---------|-------------|------------------|-----------|-----------------|-----------------|-----------------|
| | 80239 | DB-0216-12-MV-TP | 120 / 277 | 1 or 2 | 2' - 16' | 131 / 132 |
| | 80240 | DB-1040-14-MV-TP | 120 / 277 | 1,2,3 or 4 | 10' - 40' | 330 / 352 |
| | 80241 | DB-0432-14-MV-TP | 120 / 277 | 1,2,3 or 4 | 4' - 32' | 242 / 267 |
| | 80242 | DB-0848-46-MV-TP | 120 / 277 | 4,5 or 6 | 8' - 48' | 365 / 410 |



PS - MH CAPACITORS

| Picture | WATRAN Code | Applications | Description | uF/V |
|---------|-------------|-----------------------|-----------------------|----------|
| | 00033 | P50W PSMH | DKCC-6(CBB60,300V) | 6/300 |
| | 00006 | P70W PSMH | DKCC-10(CBB60,300V) | 10/300 |
| | 00007 | P100W PSMH | DKCC-12(CBB60,300V) | 12/300 |
| | 00016 | P150W PSMH | DKCC-18(CBB60,300V) | 18/300 |
| | 00017 | P150W PSMH 5AC3, TAC3 | DKCC-21(CBB60,480V) | 21/480 |
| | 00036 | 175W MH | DKCS-12(CBB65,540V) | 12/540 |
| | 00008 | P175W PSMH TEC4 | DKCC-12(CBB60,400V) | 12/400 |
| | 00010 | P200W PSMH TEC4 | DKCC-13(CBB60,400V) | 13/400 |
| | 00013 | P250W PSMH TEC4 | DKCC-15.5(CBB60,400V) | 15.5/400 |
| | 00037 | P250W PSMH | DKCS-15(CBB65,540V) | 15/540 |
| | 00037 | 250W MH | DKCS-15(CBB65,540V) | 15/540 |
| | 00038 | P320W PSMH | DKCS-21(CBB65,540V) | 21/540 |
| | 00018 | P320W PSMH TEC4 | DKCC-22(CBB60,400V) | 22/400 |
| | 00039 | P350W PSMH | DKCS-22(CBB65,540V) | 22/540 |
| | 00020 | P350W PSMH TEC4 | DKCC-22.5(CBB60,400V) | 22.5/400 |
| | 00021 | 400w MH | DKCC-24(CBB60,400V) | 24/400 |
| | 00041 | P400W -P750W PSMH | DKCS-26(CBB65,540V) | 26/540 |
| | 00040 | 400W -1000W MH | DKCS-24(CBB65,540V) | 24/540 |
| | 00024 | P400W PSMH TEC4 | DKCC-26(CBB60,400V) | 26/400 |
| | 00026 | P750W PSMH | DKCC-28(CBB60,480V) | 28/480 |
| | 00022 | 1000W MH | DKCC-24(CBB60,480V) | 24/480 |
| | 00042 | 1500W MH | DKCS-32(CBB65,540V) | 32/540 |
| | 00043 | 1500W MH TAB5 | DKCS-34(CBB65, 540V) | 34/540 |

HPS CAPACITORS

| Picture | WATRAN Code | Applications | Description | uF/V |
|---------|-------------|-----------------|---------------------|--------|
| | 00030 | 50W HPS | DKCC-5(CBB60,300V) | 5/300 |
| | 00034 | 70W HPS | DKCC-7(CBB60,300V) | 7/300 |
| | 00006 | 100W HPS | DKCC-10(CBB60,300V) | 10/300 |
| | 00011 | 150W HPS | DKCC-14(CBB60,300V) | 14/300 |
| | 00044 | 200W HPS | DKCC-28(CBB60,250V) | 28/250 |
| | 00029 | 250W HPS | DKCC-35(CBB60,250V) | 35/250 |
| | 00027 | 250W HPS TAC4 | DKCC-33(CBB60,250V) | 33/250 |
| | 00031 | 400W - 600W HPS | DKCC-55(CBB60,250V) | 55/250 |
| | 00041 | 1000W HPS | DKCS-26(CBB65,540V) | 26/540 |



WATRAN IGNITORS

| Picture | WATRAN Code | Applications | Description |
|---------|-------------|-----------------|--------------|
| | 00001 | 50w - 150w HPS | DK-HPS150 |
| | 00002 | 250w - 600w HPS | DK-HPS400 |
| | 00003 | 50w - 400w PSMH | DK-MH400 |
| | 00004 | 750w PSMH | DK-MH750 |
| | 00005 | 1000w PSMH/HPS | DK-HPSMH1000 |

480/347V-277V STEP DOWN TRANSFORMERS

| Picture | WATRAN Code | Watts | Input | Voltage |
|---------|-------------|-------|-----------------|-----------------|
| | 80244 | 150W | 480/347Vac± 10% | 480/347Vac± 10% |
| | 80246 | 375W | 480/347Vac± 10% | 480/347Vac± 10% |

EMERGENCY DRIVERS

| Picture | WATRAN Code | Watts | Input | Output |
|---------|-------------|-------|----------|--------|
| | 90149-8 | 8W | 100-277V | Ma 95V |
| | 90149-15 | 15W | 100-277V | 25-48V |
| | 90149-20 | 20W | 100-277V | 25-48V |

E-HID BALLASTS

| Picture | Watrnan Code | Description | Input Voltage | Lamp | Input Power | Circuit Current |
|---------|--------------|-------------------|---------------|------------------------|-------------|-----------------|
| | 80102 | HQEB-MH39/120LA1F | AC120V | C179, C130, M130 | 39 W | 0.38A |
| | 80103 | HQEB-MH50/120LA1F | AC120V | M148, M110 | 50W | 0.48A |
| | 80104 | HQEB-MH20/120LA2F | AC120V | M156, C156, C175, M175 | 20W | 0.21A |
| | 80105 | HQEB-MH39/120LA2F | AC120V | C179, C130, M130 | 39W | 0.38A |
| | 80106 | HQEB-MH50/120LA2F | AC120V | M148, M110 | 50W | 0.48A |



TERMS AND CONDITIONS

WARRANTY

Standard four (4) year factory replacement warranty on all Magnetic High Intensity Discharge Ballasts and five (5) year warranty on Electronic Fluorescent and LED Drivers. Standard (10) year warranty on LED Die-Cast Fixture housing. This warranty is designated a "Limited Warranty" pursuant to Section 103(a) of the Federal Consumers Product Warranties Act. Defective Ballasts/LED Drivers are to be shipped, with RGA number, to Dallas, Texas at purchaser's expense. Replacement ballasts will be shipped freight free.

TERMS

Companies with approved credit: Thirty (30) days net from date of invoice.

ORDERS

Orders must include a valid WATRAN/ DELTEK five digit code, total quantities and price per unit.

FREIGHT

Freight will be allowed on \$750.00 for Ballasts/LED Drivers to all points in the U.S.A. excluding Hawaii and Alaska. LED Fixtures are \$1,500.00 F/F. Poles FOB Dallas. Freight is not included with Poles.

DAMAGE/ DEFECTIVE PRODUCT

Any claims for loss and damage have to be filed by the customer against the carrier. Consignment copies signed by the carrier acknowledging such loss or damage must be submitted to LIGHTING AND POWER TECHNOLOGIES.

DROP SHIPMENTS

Drop shipments to other than customer's address of business will be allowed. If shipment destination is further than originating customer's premises, any extra freight charge will be customer's responsibility.

CLAIMS

Claims for inaccurate filling of orders must be submitted no later than two (2) days after receipt of shipment and needs to be made directly to LIGHTING AND POWER TECHNOLOGIES. Copy of the invoice or packing list must be enclosed with the claim form.

RETURNS

Customer will have to request a Return Goods Authorization (RGA), returned goods will only be accepted against an RGA number. Any item returned for credit or replacement will be subject to a 15% restocking fee if the error is not ours. DELTEK/WATRAN Ballasts/LED Drivers must be returned freight prepaid. All returns must be returned within sixty (60) days of delivery or RGA will be canceled and customer will be responsible for payment.

PRICES

Prices are net 30 and subject to price increase without notice. All items are subject to a price change, should import tariffs increase.

FIXTURE COLOR CHANGES

Additional charge of \$30.00 for changing current bronze fixture colors. Color changes will be high pressure spray painted, not powder coated. Modifications to fixtures will be nonreturnable and nonrefundable.

POLE COLOR CHANGES

Refer to Poles and Mounting Accessories page for pricing. Color changes will be powder coated. Modifications to poles will be nonreturnable and nonrefundable.

10FT POLES
\$100 per pole

15FT POLES
\$120 per pole

20FT POLES
\$150 per pole

25FT POLES
\$180 per pole

30FT POLES
\$200 per pole