

STATE OF LOUISIANA
SOUTHEASTERN LOUISIANA UNIVERSITY
HAMMOND, LOUISIANA
A Member of the University of Louisiana System

INVITATION TO BID
To
FURNISH and DELIVER

ELECTRICAL SUPPLIES FOR THE HOLY GHOST PARKING LOT PROJECT
For Southeastern Louisiana University and
The PHYSICAL PLANT Department

ISSUING AGENCY: Southeastern Louisiana University
Purchasing Department
SLU 10800
Hammond, LA 70402-0800

DIRECTOR OF PURCHASING: Richard Humber

PROCUREMENT SPECIALIST: Karen Burkhalter
Telephone: (985) 549-5412

REQUISITIONED BY: Julie Rigdell / Sandy Lelleck
Telephone: (985) 549-3333

RELEASE DATE: July 22, 2016

DEADLINE FOR FAX INQUIRIES: July 26, 2016
Fax To: 985-549-3810
Attn: Karen Burkhalter

BID OPENING DATE: August 3, 2016

BID OPENING TIME: 4:00 p.m., Central Time

BID OPENING LOCATION: Southeastern Louisiana University
Purchasing Department
Property Control & Supply Building
North Oak Street Maintenance Complex
Hammond, Louisiana

This ITB is available in electronic form at <http://www.prd1.doa.louisiana.gov/OSP/LaPAC/dspBid.cfm?search=department&term=42>. It is available in PDF format or in printed form by submitting a written request to the Procurement Specialist listed above. It is the Bidder's responsibility to check the Office of State Purchasing LaPAC website frequently for any possible addenda that maybe issued. Southeastern is not responsible for a bidder's failure to download any addenda documents required to complete an Invitation to Bid.

**STATE OF LOUISIANA
SOUTHEASTERN LOUISIANA UNIVERSITY
HAMMOND, LOUISIANA**

The Southeastern Louisiana University (SLU) Purchasing Department will receive sealed bids until 4:00 P.M. on the bid opening date specified in the solicitation document. No bid responses will be considered by the SLU Purchasing Department after 4:00 P.M. Beginning at that time, bids shall be publicly opened and read aloud to those present in the SLU Purchasing Department.

Mail address:	Southeastern LA University	Delivery:	Southeastern LA
	University		
	Purchasing Department		Purchasing Department
	SLU 10800		Property Control &
Supply Bldg	Hammond, LA 70402		2400 North Oak St
			Hammond, LA 70402

Bids submitted are subject to LA R.S. 39:1551-1736; Purchasing Rules and Regulations; Executive Orders; General Conditions; any Special Conditions; and Specifications listed in the solicitation document.

The purpose of this solicitation is to set forth the requirements and specifications of Southeastern Louisiana University. The contents of this solicitation and the Bidder/ Vendor/ Contractor's bid response shall become contractual obligations if a contract (purchase order) ensues.

INSTRUCTIONS TO BIDDERS

- 1) Bid Forms: All written bids, unless otherwise provided for, must be submitted on, and in accordance with, forms provided, properly signed in ink by an authorized representative of the bidding entity. Bid prices shall be typewritten or in ink. Bids submitted in the following manner will not be accepted: (1) bid contains no signature indicating intent to be bound; (2) bid filled out in pencil; (3) photocopy of bidder's signature; and (4) bid sent by facsimile equipment. Price alterations to bid responses received before bid opening time will be considered provided the written price alteration has been received and time-stamped before bid opening time. Any other alterations of the bid response form or foreign conditions attached thereto may cause rejection of the bid response without further consideration.
- 2) Standard of Quality: Any product or service bid shall conform to all applicable Federal and State laws and regulations and specifications contained in the solicitation document. Unless otherwise specified in the solicitation document, any manufacturer's name, trade name, brand name, or catalog number used in the specifications is for the purpose of describing the quality level and characteristic required. Bidder should specify the brand and model number of the product offered in his bid. Bids not specifying brand and model number shall be considered as offering the exact products specified in the solicitation document.
- 3) Descriptive Information: Bidders proposing an equivalent brand or model should submit with the bid response information (such as illustrations, descriptive literature, technical data) sufficient for the University to evaluate quality, suitability, and compliance with the specifications of the solicitation document. Failure to submit descriptive information may cause bid to be rejected. Any change made to a manufacturer's published specification submitted for a product shall be verifiable by the manufacturer. If item(s) bid does not comply with specifications (including brand and/or product number), bidder should state in what respect the item(s) deviate. Failure to note exceptions on the response form will not relieve the successful bidder(s) from supplying the actual products requested.
- 4) Bid Opening: Bidders may attend the bid opening, but no information or opinions concerning the ultimate contract award will be given at the bid opening or during the evaluation process. Bids may be examined 72 hours after request is made. Information pertaining to completed files may be secured by visiting the SLU Purchasing Department during normal working hours. Written bid tabulations will not be furnished.

- 5) Louisiana Preference: Preference is hereby given to products produced, manufactured, harvested, grown or assembled in Louisiana which are equal in quality to products produced, manufactured, harvested, grown or assembled outside of Louisiana. The bidder shall state his right to claim the ten percent (10%) preference in his bid response and the bidder should state the respective Louisiana location where each qualifying item is produced, manufactured, harvested, grown or assembled.
- 6) Signature Authority: In accordance with LA Revised Statute 39:1594 (Act 121), the person signing the bid must be: (1) A current corporate officer, partnership member or other individual specifically authorized to submit a bid as reflected in the appropriate records on file with the Secretary of State; or (2) An individual authorized to bind the vendor as reflected by an accompanying corporate resolution or affidavit. By signing the bid, the bidder certifies compliance with the above.

GENERAL CONDITIONS

The SLU Purchasing Department reserves the right to award items separately, grouped or on an all-or-none basis and to reject any or all bids and waive any informalities.

- 1) Prices: Unless otherwise specified in the solicitation, bid prices shall be complete, including transportation and handling prepaid by the bidder to destination - SLU, Hammond, LA. Bids other than FOB destination may be rejected. Bid prices should be quoted in the unit of measure stated. Bid prices shall be firm for a minimum of thirty (30) calendar days, unless otherwise specified by SLU in the solicitation document.
- 2) Payment Terms: Cash discounts for less than 30 days may be offered, but will not be considered in determining awards. Bids containing "payment in advance" or "COD" requirements may be rejected. Payment is to be made within 30 days after receipt of properly executed invoice or delivery, whichever is later.
- 3) Delivery: Bids may be rejected if the delivery time indicated is longer than that specified in the solicitation document.
- 4) Taxes: Bidder is responsible for including all applicable taxes in the bid price. The University is currently exempt from Louisiana State Sales and Use Taxes, and local parish and city taxes. An exemption certificate for state sales and use tax can be provided upon request.
- 5) New Products: Unless specifically called for in the solicitation document, all products for purchase must be new, never previously used, and the current model and/or packaging. No remanufactured, demonstrator, used or irregular product will be considered for purchase unless otherwise specified in the solicitation document. The manufacturer's standard warranty will apply unless otherwise stated in solicitation.
- 6) Default of Contractor: Failure to deliver within the time specified in the solicitation document will constitute a default and may cause cancellation of the contract. Where the University has determined the contractor to be in default, the state reserves the right to purchase any or all products or services covered by the contract on the open market and to charge the contractor with cost in excess of the contract price. Until such assessed charges have been paid, no subsequent bid from the defaulting contractor will be considered.
- 7) Contract Cancellation: The University shall have the right to cancel any contract, in accordance with Purchasing Rules and Regulations, for cause, including but not limited to, the following: (1) failure of the vendor to deliver within the time specified in the contract; (2) failure of the product or service to meet specifications, conform to sample quality, or to be delivered in good condition; (3) misrepresentation by the contractor; (4) fraud, collusion, conspiracy or other unlawful means of obtaining any contract with the state; (5) conflict of contract provisions with constitutional or statutory provisions of state or federal law; (6) any other breach of contract.
- 8) Applicable Law: All contracts shall be construed in accordance with and governed by the laws of the State of Louisiana.

- 9) Equal Opportunity: By submitting and signing this bid, bidder agrees that he will not discriminate in the rendering of services to and/or employment of individuals because of race, color, religion, sex, age, national origin, handicap, disability, veteran status, or any other non-merit factor.

A Member of the University of Louisiana System

Rvsd. 09/2014

SOUTHEASTERN LOUISIANA UNIVERSITY

BID RESPONSE FORM

BIDDER'S NAME: _____

TELEPHONE NO.: _____ FAX NUMBER: _____

ADDRESS: _____
MAILING CITY STATE ZIP

SCOPE: **Furnish and Deliver Electrical Supplies on an as-needed basis for the Holy Ghost Parking Lot Project for Southeastern Louisiana University and the Physical Plant Department.**

I/we do hereby acknowledge receipt of the following addenda (if any):

No. _____ Dated _____ No. _____ Dated _____

OTHER REQUIREMENTS:

Bidder shall include the cost of transportation and handling in the unit price of item offered-- F.O.B. University, Hammond, LA.

If bidding other than the specified make and model, then the bidder should attach illustrations and descriptive literature of the item(s) offered to the bid response form for evaluation purposes.

The attached Instructions To Bidders/General Conditions shall be a part hereof.

TO THE VENDOR:

Whenever brand name specifications or catalogue numbers are used to describe the standard of quality, performance and other characteristics, the use of such specifications shall not restrict unless otherwise specified, the submission of equivalent products.

This solicitation is a sealed bid and must be returned by mail or delivered in person. Bid response forms cannot be faxed and any fax responses shall be rejected.

TERMS: Net 30 Prox., F.O.B., Hammond, Louisiana.

TAXES: Any taxes, other than state sales and use tax, shall be included within the bidder's unit price. The University is currently exempt from state sales and use tax.

Signature to the Bid Response Form shall be construed of acceptance of the Invitation to Bid in its entirety.

AUTHORIZED OFFICER: _____
(Signature) (Print or Type Name)

TITLE: _____ DATE: _____

Notice to Bidder

Shipping/Handling:

All unit bid prices shall be quoted F.O.B. Destination, SLU Receiving Department, Hammond, LA, Freight Prepaid, and Allowed. Failure to do so shall cause rejection of the bid without further consideration.

Bidding Requirements:

If bidding other than the specified product, the bidder should attach the product specifications and details.

Bid Quantities:

The quantities listed are estimated for bidding purposes only. Actual quantities may increase/decrease based on the needs of the project.

Contract Period:

Southeastern Louisiana University reserves the right to purchase additional quantities at the same price, terms and conditions through December 31, 2016.

Authorized Officer: _____
Signature Print Name

Title: _____ **Date:** _____

**SQ 15394 Holy Ghost Parking Lot Project
ITB - Electrical Supplies**

Bid Release Date:

Bid Opening Date:

Bid Requested by: Kenneth Seals

Procurement Specialist: Karen Burkhalter

BID RESPONSE FORM

Item	Description	Est Qty	Unit	Product Offering	Unit Price	Total
1	Led Floodlight, NFFLD HD die cast aluminum housing, 120-277V; 4000K color, 129W, Bronze. Lumark Night Falcon NFFLD-A40E-E-UNV-66_S-DB-PER, or equal	10	EA			
2	Led Light, 10LEDE10 performance package, 5000K color, Type V Distribution, Acrylic Optics, bronze; Contempo LED Series 245 L, or equal	25	EA			
3	4 Bolt Base, with Bolt Cover and Hand Hole Cover, 14' mounting height, wall thickness .125", 5" butt/top diameter, 7.5" base diameter, 7.5-8" bolt circle, 2" bolt projection, .75 x 17 x 3 inch bolt size, 100 lbs. luminary weight, satin finish for round poles. Hapco RSA14B5-4, or equal	7	EA			
4	Bolt Covers for 5" base, see attached drawing.	25	EA			
5	Hand Hole Cover, see attached drawing.	25	EA			
6	4.01"L - 3 Port insulated multitap connector, double-sided entry, T, 500kcmil maximum conductor size, Polaris Item # 14V981, or equal.	105	EA			
7	8 THHN STR Brown Reel	2000	LF			
8	8 THHN STR Orange Reel	2000	LF			
9	8 THHN STR Grey Reel	2000	LF			
10	8 THHN STR Green Reel	2500	LF			
11	5/8 GRC58 Ground Rod Clamp	35	EA			
12	5/8 x 8 CU Bond Ground Rod	35	EA			
13	1/4" x 600' Pull Rope	2	EA			
14	3/4" x 66' Electrical tape, 3M 33Plus, or equal	10	EA			
15	2" PVC SCH40 Conduit	200	LF			

BID RESPONSE FORM

16	2" PVC SCH80 Conduit	20	LF		
17	2" - 90 - 36 Radius PVC ELL	2	EA		
18	2/0 THHN STR Black Reel	660	LF		
19	2 THHN STR Black Reel	220	LF		
20	Street Light Disconnect, In-Line, Breakaway, Fused Design, EFSE HEB-AB In-Line Fuseholder, or equal	40	EA		
21	Cylindrical, Fast Acting Midget Fuse, BAF Series, 250VAC, Non-indicating, EFSE HCLR5 600V Midget Fuse, or equal	40	EA		
22	12 THHN STR Brown	500	FT		
23	12 THHN STR Orange	500	FT		
24	12 THHN STR Gray	500	FT		
25	12 THHN STR Green	500	FT		
26	Panel Board	1	EA		
27	Single Position Meter Sockets, U19800 200Amp, 1Ph, 4Terminal, Ug Sidewire, Ringless Meter Socket, 13"L x 4 1/2" W x 15 1/4" H, 6 Awg to 350 Kcmil Powder coated G90 galvanized steel enclosure, 600 Vac at surface mounting, Nema 3R enclosure, or equal.	1	EA		
28	Dual-element, time-delay fuse, 10 seconds(minimum) at 500% rated amps, (8seconds for 0-30A sizes). Fusetron FNR-R Class RK5, or equal.	2	EA		
29	General Duty Safety Type Switch & Disconnect, 3 wire, Nema 3R enclosure, 200 Amp to 25HP at 240 Vac. Eaton CutlerHammer, DG224NRK 200A, 240V, 2P, 3W, N-3R Disc, or equal	1	EA		
TOTAL					

DESCRIPTION *Item #1 page 1 of 3*

The Night Falcon™ LED floodlight luminaire combines high-efficiency optics, superior thermal management and energy efficiency in a cost-effective solution. The compact, robust design incorporates a separate driver compartment for maximum heat dissipation to insure longevity of both the fixture and the LEDs. The Night Falcon luminaire uses precision engineered optics delivering superior uniformity and excellent illumination to the targeted application. Typical applications include area lighting for security, building facade lighting, accent and signage lighting in both commercial and industrial applications. The Night Falcon luminaire is UL/cUL listed for wet locations and is IP66 rated.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

Heavy-duty, die cast aluminum housing, driver compartment and driver housing door. A separate driver compartment and external fins provide optimal thermal management that result in longer LED and driver life. The housing, driver compartment and optical chamber are IP66 rated. Access to the driver for maintenance is achieved with a removable driver door using pan head screws. A one-piece silicone gasket seals the door to the fixture housing. The fixture is 3G vibration rated (ANSI C136.31) to ensure durability in area and site lighting applications. Suitable for mounting within 4' (1.2m) of the ground.

Optics

The LED chamber incorporates a vacuum metalized reflector that provides high-efficiency illumination. Optics are precisely designed to shape the wide NEMA type 6H x 6V distribution, maximizing efficiency and application spacing. Clear glass tempered lens with full circumference form-in-place silicone gasket protects the optics from damage. Offered standard in 4000K (+/- 275K) CCT and minimum 70 CRI. Optional 5700K CCT and 3000K CCT and minimum 70 CRI are available.

Electrical

LED driver is mounted to the removable die-cast aluminum door for optimal heat sinking and ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. Integral 6kV surge is standard. 10kV/10kA common- and differential-mode surge protection available as an option. 0-10V dimming driver is available to accommodate controls capability such as dimming and occupancy. Standard NEMA 3-PIN twistlock photocontrol receptacle and NEMA 7-PIN twistlock photocontrol receptacles are available as options. Suitable for ambient temperatures from -40°C to 40°C. Optional 50°C HA (high ambient) available. 90% lumen maintenance greater than 50,000 hours per IESNA TM-21.

Accessories

Heavy-duty steel top and side visors control glare and spill light. 1/8" thick UV stabilized vandal guard shields glass lens from impact when mounted at low levels. Easy to install wire guard features a heavy-gauge welded construction with corrosion resistant polyester powder coat finish to protect glass from projected objects.

Mounting

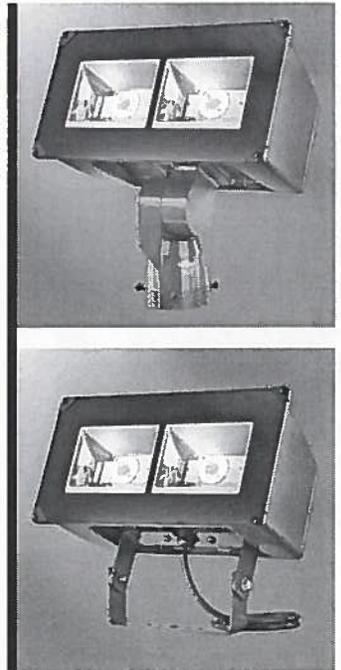
Mounting options include an integral die-cast aluminum slipfitter that is preset to a tilt of 45°. The knuckle base is supplied with a tooth lock adjustment that can be adjusted in 5° increments to provide flexibility in aiming the fixture from a variety of surfaces. Visual 15° adjustment indicators on the knuckle allow for 180° field rotation of the floodlight assembly. The slipfitter fits standard 2-3/8"-3" O.D. tenon. The trunnion mounting includes a 3/16" polyester powder coated galvanized steel trunnion with a 16/3 SOW cord. The trunnion mount uses an interlocking slide adjustment that is locked into place with a set screw.

Finish

Housing and cast parts finished in five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard color is carbon bronze. Additional colors available in summit white, white, grey, bronze, black, dark platinum and graphite metallic. Consult your lighting representative at Eaton for a complete selection of standard colors.

Warranty

Five-year warranty.



**NFFLD
 NIGHT FALCON**

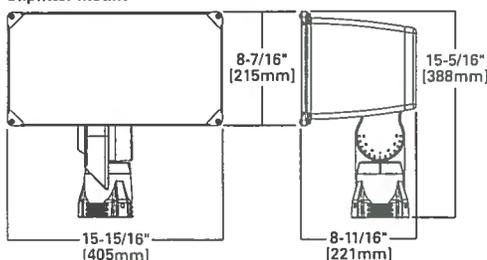
Solid State LED

FLOODLIGHT

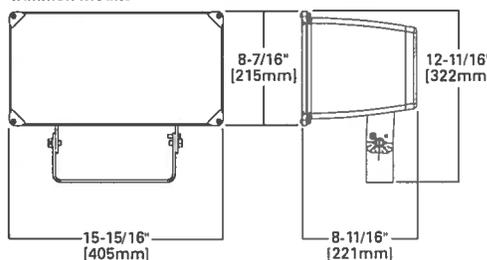


DIMENSIONS

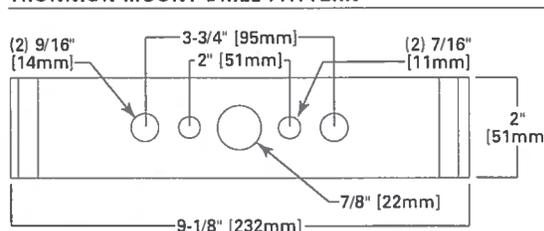
Slipfitter Mount



Trunnion Mount



TRUNNION MOUNT DRILL PATTERN



CERTIFICATION DATA

UL/cUL Wet Location Listed
 IP66 Fixture and Optical Chamber
 LM79/LM80 Compliant
 3G Vibration Rated
 RoHS Compliant
 DesignLights Consortium™ Qualified*

ENERGY DATA

Electronic LED Driver
 > 0.9 Power Factor
 < 20% Total Harmonic Distortion
 120V 50/60Hz, 347V/60Hz and 480V/60Hz
 -40°C Minimum Ambient Temperature Rating
 +40°C Maximum Ambient Temperature Rating

EPA

Effective Projected Area (Sq. Ft.): 1.25

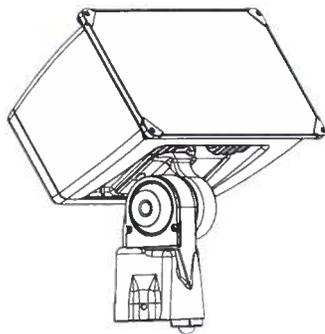
SHIPPING DATA

Approximate Net Weight:
 20 lbs. (9.09 kgs.)

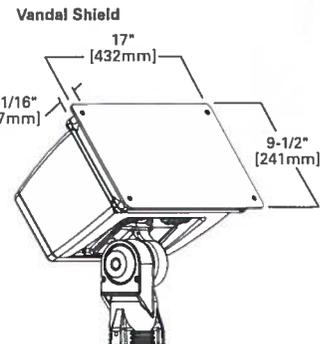
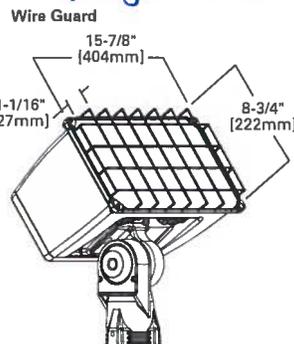
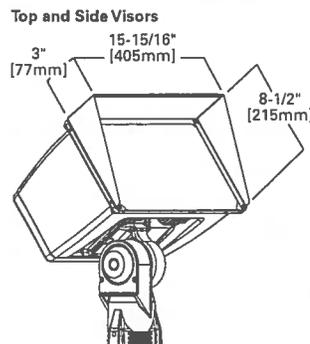


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OPTIONAL INTEGRATED SENSOR



ACCESSORIES



POWER AND LUMENS

A25 LED	NFFLD-A25	NFFLD-A25-7060	NFFLD-A25-7030
Delivered Lumens	9,432	9,937	9,297
CCT (Kelvin)	4000K	5700K	3000K
CRI (Color Rendering Index)	70	70	70
NEMA Distribution (H x V)	6 x 6 Wide	6 x 6 Wide	6 x 6 Wide
Power Consumption (Watts)	85W	85W	85W
A40 LED	NFFLD-A40	NFFLD-A40-7060	NFFLD-A40-7030
Delivered Lumens	14,683	15,468	14,473
CCT (Kelvin)	4000K	5700K	3000K
CRI (Color Rendering Index)	70	70	70
NEMA Distribution (H x V)	6 x 6 Wide	6 x 6 Wide	6 x 6 Wide
Power Consumption (Watts)	129W	129W	129W

CURRENT DRAW

Voltage (V)	Model Series	
	NFFLD-A25	NFFLD-A40
	Current (A)	Current (A)
120V	0.700	1.116
208V	0.410	0.646
240V	0.361	0.568
277V	0.321	0.503
347V	0.279	0.408
480V	0.192	0.299

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10°C	1.03
15°C	1.02
25°C	1.00
40°C	0.97
50°C	0.96

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (50,000 Hours)	Theoretical L70 (Hours)
NFFLD-A25		
25°C	> 93%	> 300,000
40°C	> 93%	> 295,000
50°C	> 92%	> 285,000
NFFLD-A40		
25°C	> 93%	> 290,000
40°C	> 92%	> 285,000
50°C	> 92%	> 280,000

ORDERING INFORMATION

Item #1 page 3 of 3

Sample Number: NFFLD-A40-E-UNV-66-S-CB-PER

Product Family ¹	Light Engine ²	Driver ³	Voltage	Distribution	Mounting	Color
NFFLD=Night Falcon LED Floodlight	A25=9,400 Nominal Lumens A40=14,600 Nominal Lumens	E=Non-Dimming D=Dimming (0-10V)	UNV=120-277V 347=347V ⁴ 480=480V ⁴	66=NEMA 6H x6V Wide	S=Slipfitter ⁵ T=Trunnion	CB=Carbon Bronze (Standard) BK=Black BZ=Bronze AP=Grey WH=White WHT=Summit White DP=Dark Platinum GM=Graphite Metallic
Options (Add as Suffix)				Accessories (Order Separately) ¹⁰		
7030=70 CRI / 3000K ⁶ 7060=70 CRI / 5700K ⁶ PER=NEMA 3-PIN Twistlock Photocontrol Receptacle PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle ⁷ 10K=10kV/10kA UL 1449 Surge Protective Device HA=50°C High Ambient Temperature D10=<10% Dimming ⁷ MSP/DIM-L12=Integrated Sensor for Dimming Operation, 8' - 12' Mounting Height ^{8,9} MSP/DIM-L30=Integrated Sensor for Dimming Operation, 12' - 30' Mounting Height ^{8,9} MSP-L12=Integrated Sensor for ON/OFF Operation, 8' - 12' Mounting Height ^{8,9} MSP-L30=Integrated Sensor for ON/OFF Operation, 12' - 30' Mounting Height ^{8,9}				FA63=3" O.D. Surface Mount Bracket ¹¹ OA1223=10kV/10kA UL 1449 Surge Protective Device Replacement OA/RA1013=Photocontrol Shorting Cap OA/RA1014=NEMA Photocontrol - 120V OA/RA1016=NEMA Photocontrol - Multi-Tap OA/RA1027=NEMA Photocontrol - 480V OA/RA1201=NEMA Photocontrol - 347V RAB-XX=Right Angle Pipe Bracket for Slipfitter SAB-XX=Steel Angle Bracket for Trunnion TYS-XX=Slipfitter Adapter for 2-3/8", 3" or 3-1/2" O.D. Tenon ¹² TS2/NFFLD-XX=Top and Side Visors ¹³ VS/NFFLD=Vandal Shield ¹³ WG/NFFLD=Wire Guard ¹³ ISHH-01=Integrated Sensor Programming Remote		

NOTES: 1. DesignLights Consortium™ Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. 2. Standard 4000K CCT and minimum 70 CRI. Consult IES file for actual lumen output. 3. Consult factory for driver surge protection values. 4. Not recommended for use with ungrounded, delta configured systems. 5. Fits 2-3/8" to 3" O.D. tenon, wire leads run through slipfitter. 6. Extended lead times apply. Use dedicated IES files for 3000K and 5700K when performing layouts. These files are published on the Night Falcon luminaire product page on the website. 7. Must order with dimming driver. 8. 0-10V dimming driver required. Integrated sensor option only available in slipfitter mounting. 9. Not available with Photocontrol. 10. Replace XX with color designation. Additional brackets and adaptors available on the poles product page on the website. 11. Not available with tenon mount. 12. Not available with slipfitter mount. 13. Cannot combine TS2 (Top and Side Visor), VS (Vandal Shield), or WG (Wire Guard), limited to one external guard per fixture.

STOCK ORDERING INFORMATION

Stock Sample Number: NFFLD-A40-S

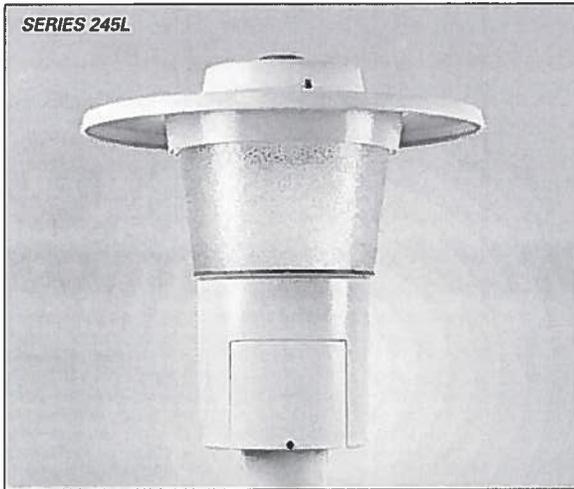
Series	Light Engine	Mounting	Voltage
NFFLD=Night Falcon	A25=9,400 Nominal Lumens A40=14,600 Nominal Lumens	S=Slipfitter T=Trunnion	[BLANK]=120-277V 347=347V

NOTES: Options not available with stock products. Order accessories as separate items for field installation. Refer to standard ordering information to add options. Refer to In-Stock Guide for availability. Stock fixture is 4000K, non-dimming, 120-277V or 347V, carbon bronze only.



Item #2
page 1 of 3

PRODUCT OVERVIEW

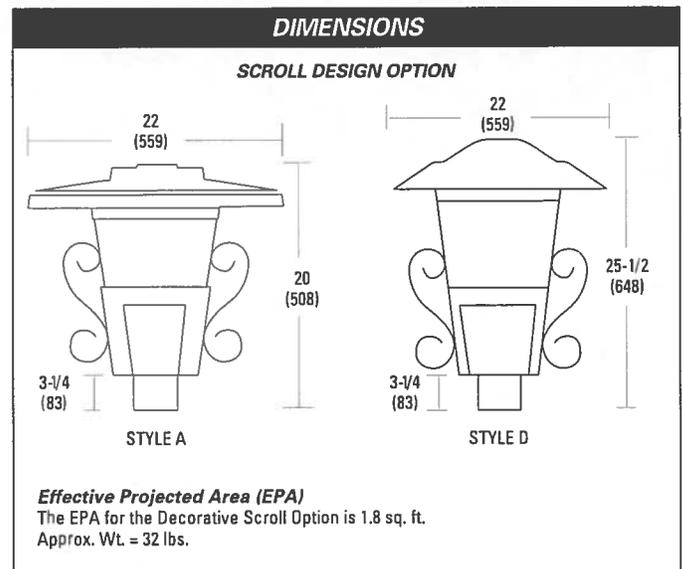
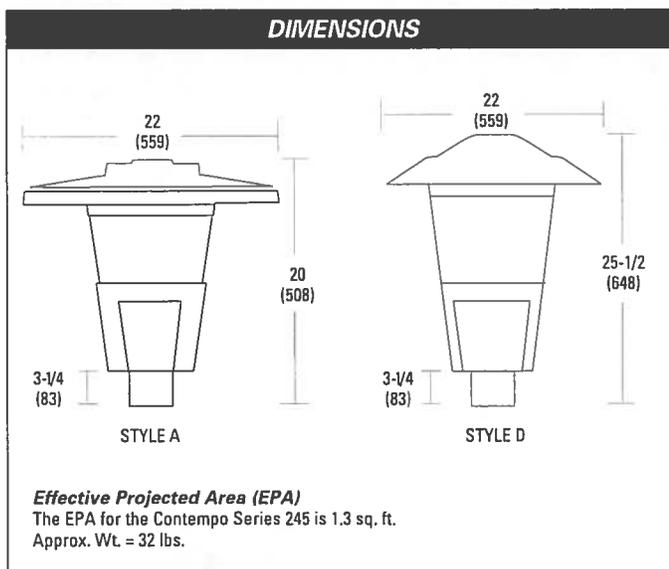


Features:

- Die-cast aluminum housing and spun aluminum hood for long-life performance
- Optical assembly designed for maximum performance, available in Type II, Type III and Type V
- Multi-gasketing to provide weatherproof protection of optical assembly for full illumination performance
- Hinged hood and captive screw latching provision afford quick, easy access to electrical and optical area for servicing
- Available with two different style hoods and an added scroll option for a more decorative look
- Cone mounting fitter with three set screws allows secure installation to pole sizes 2-3/8" or 3" O.D.
- Prismatic reflectors available in acrylic, glass and polycarbonate
- Rain pattern lens available in acrylic or polycarbonate
- Surge protection device (standard) exceeds ANSI C62.41 Category C1 criteria (surge tested at 10kV/5kA)
- Complies with ANSI: C136.2, C136.10, C136.15
- CSA listed and suitable for up to 30°C ambient
- Rated L70, LED life greater than 100,000 hours at 25°C
- Replaces up to 150W HPS light source incumbent models
- LED electronic 0V-10V dimmable driver
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Applications:

- Streetscapes
- Walkways
- Pathways
- Parks



All dimensions are inches (millimeters) unless otherwise noted.

ORDERING INFORMATION

Example: 245L 20LEDE70 MVOLT 4K R2 RNA

Series	Performance Package	Voltage	Color Temperature (CCT)
245L Contempo LED	20LEDE10 20 Chips, 1050 mA Driver, 71 input watts 20LEDE70 20 Chips, 700 mA Driver, 44 input watts 10LEDE10 10 Chips, 1050 mA Driver, 38 input watts 10LEDE70 10 Chips, 700 mA Driver, 26 input watts 10LEDE53 10 Chips, 525 mA Driver, 19 input watts 10LEDE35 10 Chips, 350 mA Driver, 13 input watts	MVOLT Multi-volt, 120-277V 347 347V 480 480V	3K 3000K 4K 4000K 5K 5000K

Distribution	Optics	Options	
R2 Type II R3 Type III R5 Type V	GL¹ Glass AY² Acrylic PY² Polycarbonate RNA Rain Pattern Acrylic RNP Rain Pattern Polycarbonate	Paint³ (blank) Gray (standard) BK Black DDB Dark Bronze WH White BZ Bronze	Hood Style (blank) Style A SD Style D Miscellaneous SS Stainless steel hardware NL NEMA Label XL Not CSA Listed SH Shorting Cap SHX⁷ Not CSA Listed Shorting Cap DD⁸ Decorative scroll design CR Enhanced Corrosion Resistant Finish HSS House Side Shield JP Job/Bulk Packaging, double-stacked with 728 units/trailer
		Photocontrol (blank) 3 pin NEMA Photocontrol Receptacle (standard) NR⁴ No Photocontrol Receptacle P5 5 pin NEMA Photocontrol Receptacle (dimnable driver included) P7 7 pin NEMA Photocontrol Receptacle (dimnable driver included) PCLL^{5,6} Solid State Long Life Photocontrol PCSS^{5,6,7} Not CSA Listed Solid State Long Life Photocontrol (120-277V)	Notes: 1. Available in R3 & R5 only 2. Available in R2 & R5 only 3. Other colors available, please contact factory 4. PC and SH not available with NR option 5. Standard failure mode="Fail On" 6. Photocontrols supplied with ANSI Standard Turn-On levels 7. XL option is required 8. Scroll color must be specified

Item #2

Page 3 of 3

OPERATING CHARACTERISTICS

DLC products are listed in **BOLD**.
Non DLC products are indicated by shaded box.

LED Quantity, mA, CCT	Input Watts	TOTAL LUMENS							
		R2-AY	LPW	R5-AY	LPW	R2-GL	LPW	R5-GL	LPW
20LEDE10 3K	72	4,248	59	4,943	69	4,430	62	4,518	63
20LEDE10 4K	72	4,562	63	5,308	74	4,757	66	4,883	68
20LEDE10 5K	72	4,590	64	6,700	93	4,787	66	4,852	67
20LEDE70 3K	45	3,168	70	3,024	67	3,304	73	3,370	75
20LEDE70 4K	45	3,402	76	4,634	103	3,548	79	3,619	80
20LEDE70 5K	45	3,424	76	4,291	95	3,570	79	4,716	105
10LEDE10 3K	38	2,267	60	2,637	69	2,363	62	2,411	63
10LEDE10 4K	38	2,433	64	2,832	75	2,538	67	2,578	68
10LEDE10 5K	38	2,448	64	2,850	75	2,554	67	2,593	68
10LEDE70 3K	25	1,631	65	1,899	76	1,702	68	1,721	69
10LEDE70 4K	25	1,751	70	2,038	82	1,827	73	1,839	74
10LEDE70 5K	25	1,762	70	2,051	82	1,838	74	1,865	75
10LEDE53 3K	18	1,283	71	1,492	83	1,338	74	1,356	75
10LEDE53 4K	18	1,377	77	1,603	89	1,436	80	1,457	81
10LEDE53 5K	18	1,386	77	1,613	90	1,445	80	1,467	82
10LEDE35 3K	13	886	68	1,032	79	925	71	935	72
10LEDE35 4K	13	952	73	1,108	85	993	76	1,010	78
10LEDE35 5K	13	958	74	1,115	86	999	77	1,016	78

DLC products are listed in **BOLD**.
Non DLC products are indicated by shaded box.

LED Quantity, mA, CCT	Input Watts	TOTAL LUMENS											
		R2-RNA	LPW	R3-RNA	LPW	R5-RNA	LPW	R2-RNP	LPW	R3-RNP	LPW	R5-RNP	LPW
20LEDE10 3K	72	5,278	73	5,565	77	6,271	87	4,911	68	5,226	73	5,874	82
20LEDE10 4K	72	5,668	79	5,977	83	6,733	94	5,274	73	5,612	78	6,309	88
20LEDE10 5K	72	5,703	79	5,976	83	6,732	94	5,273	73	5,611	78	6,308	88
20LEDE70 3K	45	3,936	87	4,151	92	4,677	104	4,151	92	3,898	87	4,382	97
20LEDE70 4K	45	4,227	94	4,457	99	5,022	112	4,457	99	4,186	93	4,705	105
20LEDE70 5K	45	4,254	95	4,485	100	5,053	112	4,485	100	4,212	94	4,735	105
10LEDE10 3K	38	2,816	74	2,970	78	3,345	88	2,620	69	2,788	73	3,135	83
10LEDE10 4K	38	3,025	80	3,188	84	3,593	95	2,814	74	2,994	79	3,366	89
10LEDE10 5K	38	3,043	80	3,209	84	3,615	95	2,832	75	3,014	79	3,387	89
10LEDE70 3K	25	2,027	81	2,138	86	2,407	96	1,886	75	2,006	80	2,257	90
10LEDE70 4K	25	2,177	87	2,294	92	2,586	103	2,025	81	2,155	86	2,423	97
10LEDE70 5K	25	2,191	88	2,310	92	2,601	104	2,038	82	2,169	87	2,438	98
10LEDE53 3K	18	1,594	89	1,680	93	1,894	105	1,483	82	1,578	88	1,775	99
10LEDE53 4K	18	1,712	95	1,805	100	2,033	113	1,592	88	1,695	94	1,904	106
10LEDE53 5K	18	1,722	96	1,815	101	2,046	114	1,603	89	1,706	95	1,917	107
10LEDE35 3K	13	1,102	85	1,161	89	1,309	101	1,025	79	1,090	84	1,226	94
10LEDE35 4K	13	1,183	91	1,247	96	1,405	108	1,101	85	1,172	90	1,317	101
10LEDE35 5K	13	1,191	92	1,255	97	1,414	109	1,108	85	1,179	91	1,325	102

AEL American
Electric
Lighting

AEL Headquarters, 3825 Columbus Road, Granville, OH 43023
www.americanelectriclighting.com

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Warranty Five-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx
Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

Please contact your sales representative for the latest product information.

Item # 3

page 1 of 2



Decorative Poles Aluminum Poles Steel Poles Flag Poles My Hapco Account

- Home
- About
- Products
- Catalogs
- Resources
- Customer Service
- News
- Careers
- Contact

Know all or part of our catalog #? Enter it here:

SEARCH HAPCO

Hapco Designer

You can use our designer to create custom poles or access detailed drawings and specifications (advanced).

START!

MY HAPCO ACCOUNT

Customer Service

800-368-7171

276-628-7171

STAFF DIRECTORY

EMAIL HAPCO

Need a quote or have a question? An expert is ready to help you. Our engineers are happy to assist with your specific needs for your project, from design to budgeting to final concept.



Our products are manufactured in the USA and meet the criteria for the Buy American Requirement under Section 1605 of the American Recovery and Reinvestment Act of 2009.

RSA - 4 Bolt Base

RSA14B5-4-**

- Mounting height: 14 ft.
- Wall thickness: .125 in.
- Butt diameter: 5 in.
- Top diameter: 5 in.
- Base diameter: 7.5 in.
- Bolt circle: 7.5-8 in.
- Bolt projection: 2 in.
- Bolt size: .75 x 17 x 3 in.
- Net weight: 34 lbs.
- Luminary weight: 100 lbs.
- Arm style: Specify drilling or tenon size.

Round Straight Aluminum

Maximum EPA

70	80	90	100	110	120	130	140
7.1	4.8	3.6	2.8	2.2			

View/Print Spec Drawing

Available Finishes **

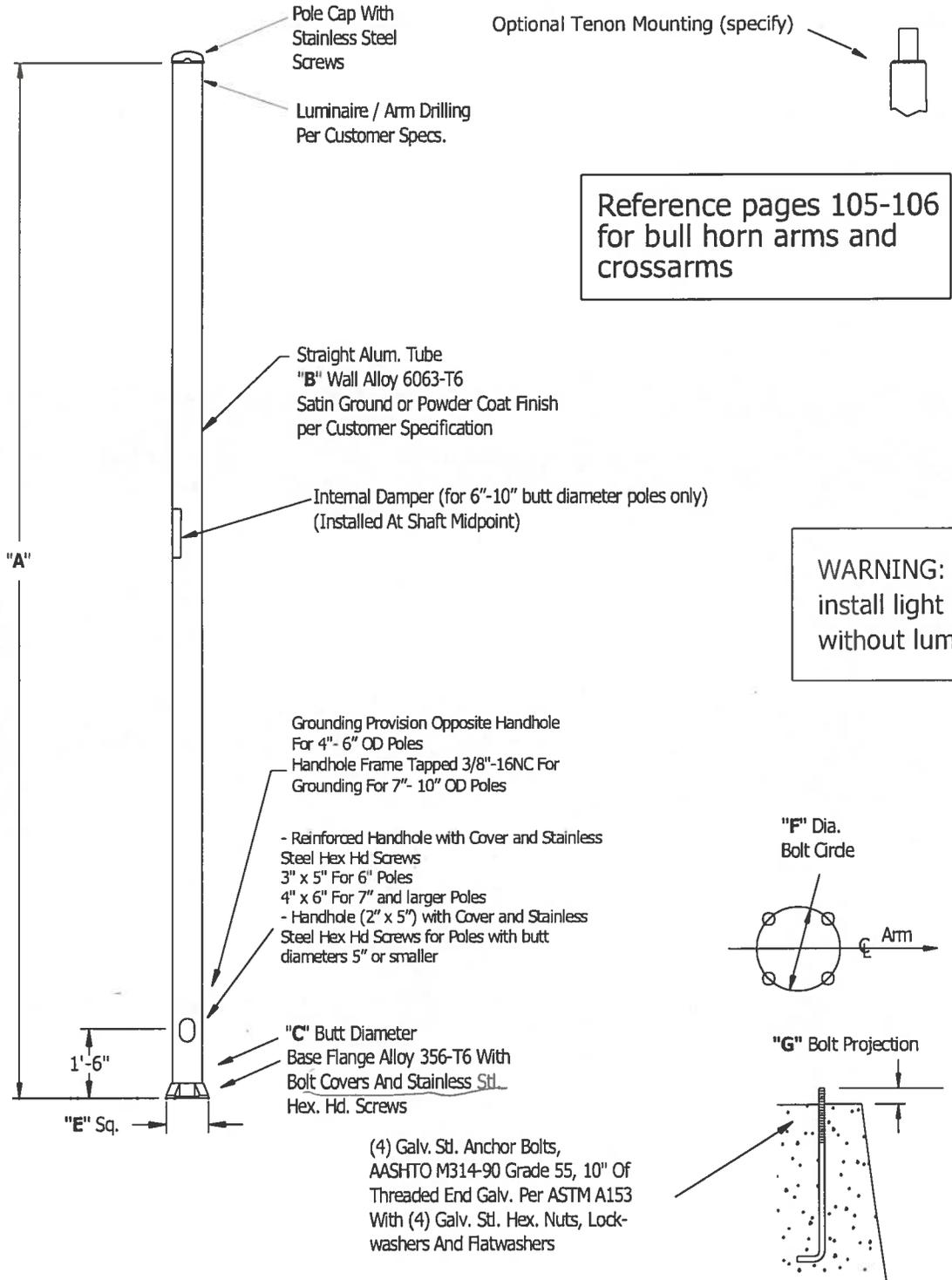
For a complete catalog number, add the 2-digit finish code to this product's catalog number in place of **.

- 01 — Satin finish for ROUND poles
- 02 — Satin finish for SQUARE poles
- BA — Powder Coat, Black
- BH — Powder Coat, White
- BM — Powder Coat, Dark Bronze
- BV — Powder Coat, Green
- GC — Powder Coat, Gray

* Please note that the finishes pictured are photographic reproductions of available finishes. There will be minor production variations. Hapco will not be responsible for any color variations of anodized poles. Contact us to request samples.

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Website design and development by Camellia Digital Agency.



WARNING: Do not install light pole without luminaire.

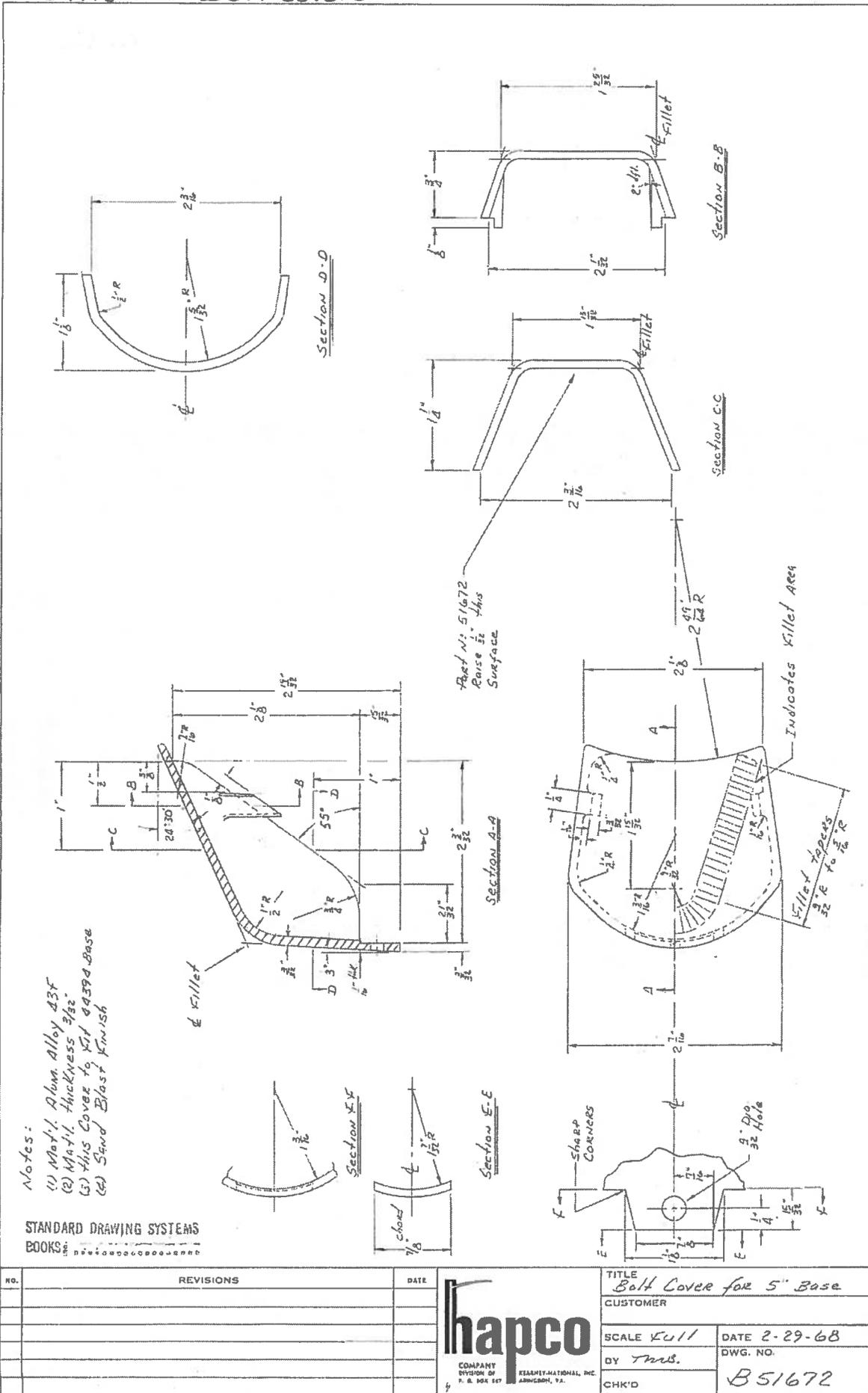
Mounting Height:	14 ft
Wall Thickness:	.125 in
Butt Diameter:	5 in
Top Diameter:	5 in
Base Diameter:	7.5 in
Bolt Circle:	7.5-8 in
Bolt Projection:	2 in
Bolt Size:	.75 x 17 x 3
Net Weight:	34
Minimum Weight:	100
Arm Length:	
Quantity:	

<i>Maximum EPA</i>	
70:	7.1
80:	4.8
90:	3.6
100:	2.8
110:	2.2

Accessories

Your Name:
Representative Name:
Architect Name:
Project Name:
Customer P.O. #:
Finish: -
Date: 07/18/2016
Notes:

Line #4 Bolt Covers



Notes:
 (1) Mat'l. Alum. Alloy 43F
 (2) Mat'l. Thickness 1/8"
 (3) This Cover to fit 49594 Base
 (4) Sand Blast Finish

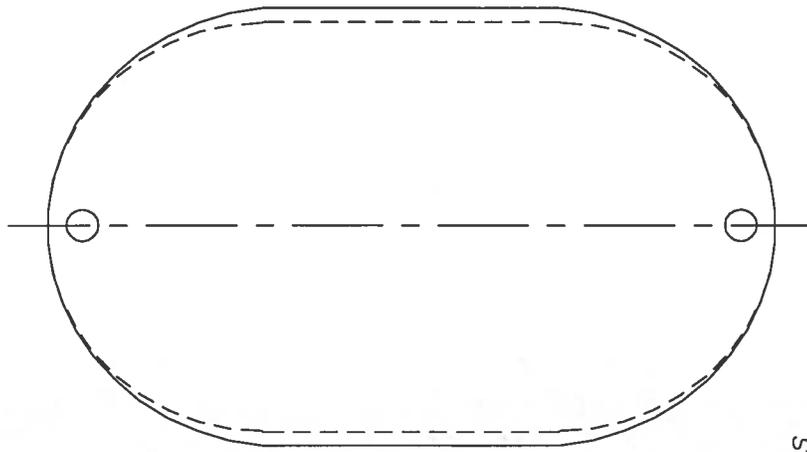
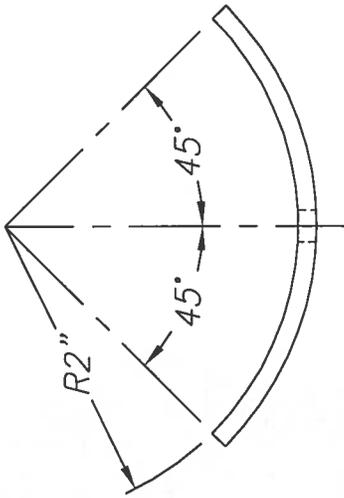
STANDARD DRAWING SYSTEMS
 BOOKS

NO.	REVISIONS	DATE	TITLE
			Bolt Cover for 5" Base
			CUSTOMER
			SCALE Full
			DATE 2-29-68
			BY Tms.
			DWG. NO.
			B51672
			CHK'D

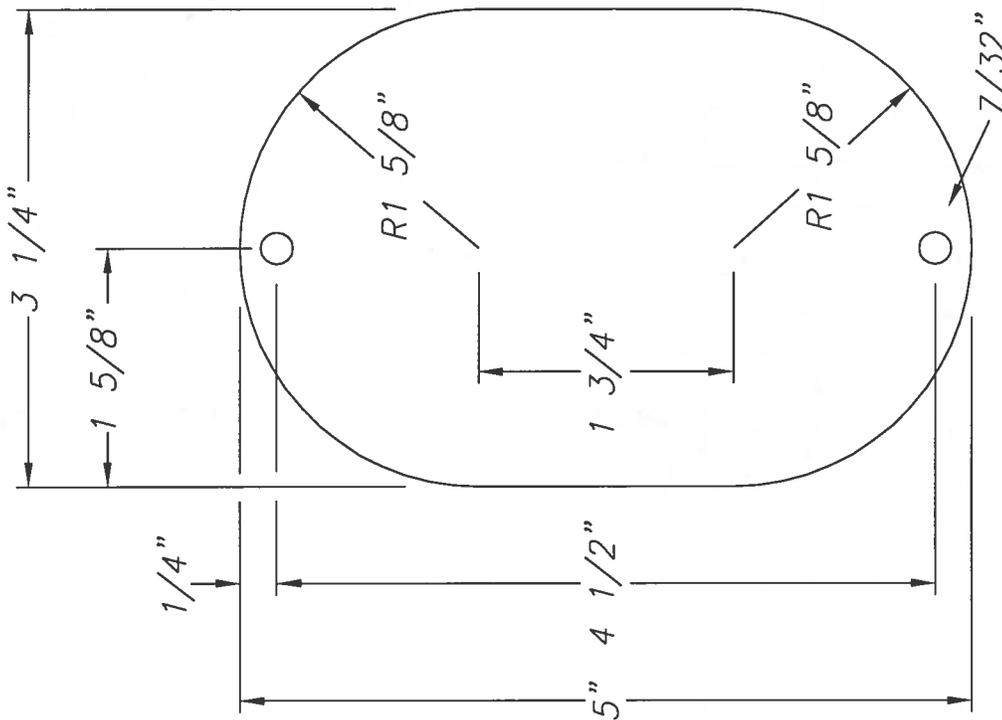


B51672

Line #5 Hand Hole Covers



FORMED COVER



BLANK COVER

$3 \frac{1}{4}'' \times 1 \frac{1}{8}'' \times 5''$ Sheet
Alloy 5052-H32
Satin Ground Finish

NO.	REVISIONS	DATE
4	Redrawn To Cad (LW)	2/04

hapco
Abingdon, Va.

TITLE H.H. COVER FOR 4" & 5" TUBE	
CUSTOMER	
SCALE 1.33	DATE 12/12/1962
BY LW	DWG. NO.
CHK'D	A45522

Electrical | Electrical Supplies | Wire Connectors | Insulated Multitap Connectors
 | 4.01"L 3-Port Insulated Multitap Connector, Double-Sided Entry, T, 500 kcmil Max. Conductor Size

EMAIL PRINT

View Product Family

Item # 6

POLARIS

4.01"L 3-Port Insulated Multitap Connector, Double-Sided Entry, T, 500 kcmil Max. Conductor Size

Item# 14V981 Mfr. Model# IPLD500-3B Catalog Page# 502 UNSPSC# 39121409



Auto-Reorder Every 1 Month

1

+ Add to List

Confirm ZIP Code to determine availability.
 70401

☆☆☆☆☆ Be the first to write a review

Shipping Weight 0.9 lbs.

Country of Origin USA | Country of Origin is subject to change.

Note: Product availability is real-time updated and adjusted continuously. The product will be reserved for you when you complete your order. More



How can we improve our Product Images?

Compare

PRODUCT DETAILS

Connector is insulated with high-dielectric strength plastisol and molded for precise fit. Supplied with removable access from either side, this connector has removable plugs to close the entry port not being utilized, which eliminates the need for cover and taping. Not recommended for fine-stranded.

View More

TECHNICAL SPECS

Item	Insulated Multitap Connector	Insulation Material	Plastisol
Connector Type	Double-Sided Entry, T	Head Style	Hex
No. of Ports	3	Stud Size	5/16"
Max. Conductor Size	500 kcmil	Screw Material	Aluminum
Min. Conductor Size	4 AWG	Length	4.01"
Direct Burial Rated	No	Width	2.81"
Body Material	Aluminum	Standards	UL486A/B

Electrical | Electrical Supplies | Specialty Connectors | Street Light Disconnects
 | Street Light Disconnect, In-Line, Breakaway, Fused Design

View Product Family

Item #20

IDEAL

Street Light Disconnect, In-Line, Breakaway, Fused Design

Item# 18G534 Mfr. Model# 30-S1212 Catalog Page# 500 UNSPSC# 39121409



Deliver one time only

Auto-Reorder Every ?

Confirm ZIP Code to determine availability.

☆☆☆☆☆ Be the first to write a review

Shipping Weight 0.45 lbs.

Country of Origin USA | Country of Origin is subject to change.

Note: Product availability is real-time updated and adjusted continuously. The product will be reserved for you when you complete your order. More

How can we improve our Product Images?

Compare

PRODUCT DETAILS

The Street Light Power Plug

Disconnect is a waterproof safety device that de-energizes roadway lights, streetlights, parking lot lights, and other freestanding electrical fixtures in

View More ▼

TECHNICAL SPECS

Item	Street Light Disconnect	Secondary Wire Range	2 to 14 AWG
Connection Type	Set Screw	Color	Orange
Breakaway/Non-Breakaway	Breakaway	Max. Temp.	105 Degrees C
Style	In-Line	Max. Voltage	600VAC
Design	Fused	Overall Length	8-1/2"
Primary Connections/Pole	1	Insulation	Polypropylene, TPE
Primary Wire Range	2 to 14 AWG	Connection Material	Tin-Plated Brass
Secondary Connections/Pole	1	Standards	UL 486A/B; AUL 486D; UL 498; UL 1682; Conforms to AASHTO's Roadway Lighting Design Guide, Chapter 8, Oct. 2005

View Product Family

Item # 21

BUSSMANN

Fast Acting, Cylindrical, Fast Acting Midget Fuse, BAF Series, 250VAC, Nonindicating

Item# 6C168 Mfr. Model# BAF-5 Catalog Page# 237 UNSPSC# 39121609



Deliver one time only
 Auto-Reorder Every ?

Confirm ZIP Code to determine availability.

☆☆☆☆☆ Be the first to write a review

Shipping Weight 0.02 lbs.

Country of Origin **Mexico** | Country of Origin is subject to change.

Note: Product availability is real-time updated and adjusted continuously. The product will be reserved for you when you complete your order. More

How can we improve our Product Images?

Compare

PRODUCT DETAILS

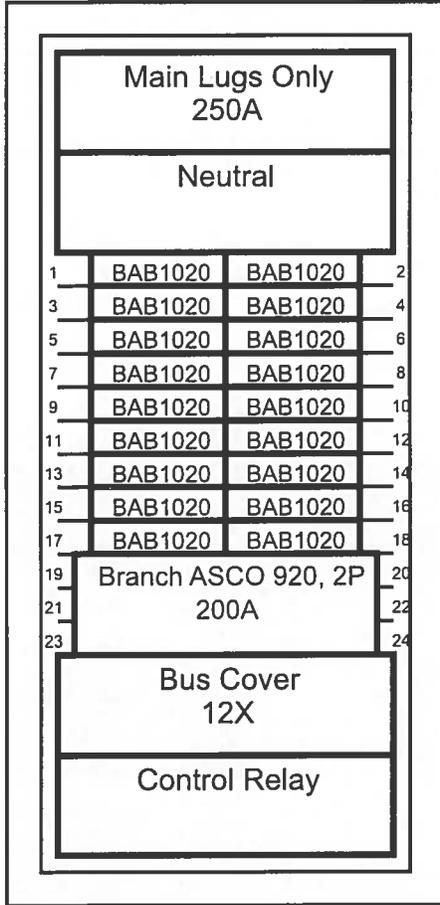
This fast-acting fuse features a fiberglass tube and nickel-plated brass endcaps. It provides general purpose circuit protection.

View More ▾

TECHNICAL SPECS

Item	Fast Acting Midget Fuse	Rejection / Nonrejection	Nonrejection
Fuse Amps	5A	Body Style	Cylindrical
Indicating / Nonindicating	Nonindicating	Interrupt Rating	200A at 250VAC, 10kA at 125VAC
Series	BAF	Length	1-1/2"
Voltage Rating	250VAC	Diameter	13/32"
Class	Midget	Functionally Equal To	Mersen/Ferraz Shawmut OTM, Littelfuse BLF, BLN
Element	Single	Standards	CE, UL Listed, CSA
Body Material	Fiberglass		

Item #26



General Information

(Section 1 of 1)

Service Voltage: 120/240V 1Ph 3W **Enclosure:** Type 3R
Bus Rating & Type: 250A Aluminum **Neutral Rating:** 250A
Ground Bar: Std. Bolted Aluminum, Al or Cu cable
S.C. Rating: 10k A.I.C. Fully Rated

Main Device Type: Main Lugs Only - Top Cable Entry - A & C Phase Connection
Main Terminals: Mechanical - (1) #6-350 kcmil (Cu/Al)
Neutral Terminals: Mechanical - (1) #6-350 kcmil (Cu/Al)
Box Catalog No.: LWPQ2090
Trim: Complete Enclosure (Includes Trim)

Surface Mounted

Box Dimensions: 90.00" [2286.0mm]H x 20.00" [508.0mm]W x 6.5" [165.1mm]D
Min. Gutter Size: Top = 5.5" [139.7mm] Bottom = 5.5" [139.7mm]
 Left = 4" [101.6mm] Right = 4" [101.6mm]

Panel ID Nameplate: (1)
Type: Plastic, adhesive-backed (2) 120/240V 1Ph 3W
Color: White with Black Letters (3)

UL

Trim Lock: T-Handle Lock Assembly
 Circuit Directory: Plastic Sleeve with Card
 Painted Box: ANSI 61
 ASCO Control Relay: 2-Wire Control Relay
 ASCO Control Power: Internal 120Vac

Device Modifications:
 Ref # Description

Branch Devices	Qty	Poles	Trip	Frame	Amps	kAIC
	18	1	20	BAB	100	10

Notes:

The information on this document is created by Eaton Corporation. It is disclosed in confidence and it is only to be used for the purpose in which it is supplied.

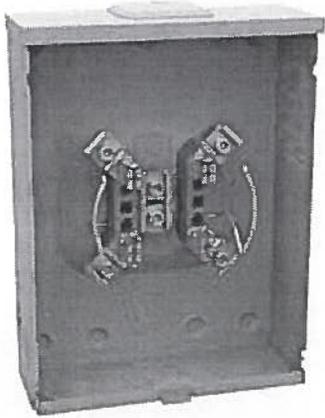
PREPARED BY MARY REEVES	DATE 7/19/2016	Eaton			
APPROVED BY	DATE	JOB NAME SLU Contactor Panel	DESIGNATION		
VERSION 1.0.0.8	TYPE PRL3a	DRAWING TYPE Customer Approval			
NEG-ALT Number BR240719X6K1-0000	REVISION 0	DWG SIZE A	G.O.	ITEM	SHEET 1 of 1

Item # 27

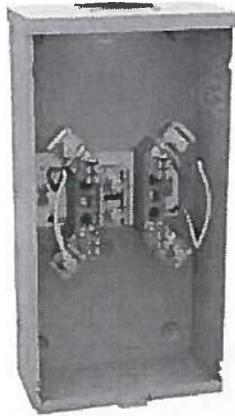
Single Position Sockets

200 amp | 4 Terminal | Ringless

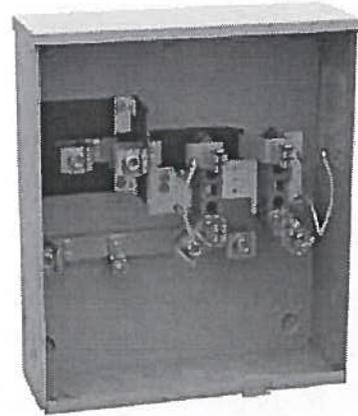
13
200 AMP
SINGLE
POSITION
SOCKETS



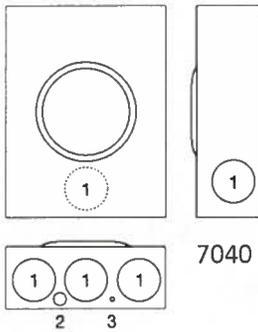
U7040-XL-TG



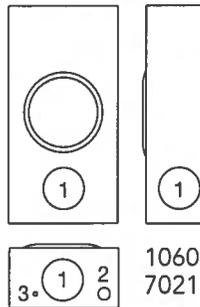
U1060-RL



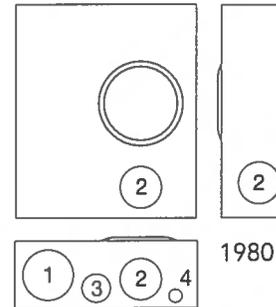
U1980-O



7040



1060
7021



1980

200 amp | 4 Terminal | Ringless | Single Position

Catalog Number	Terminal	Service	Hub	Connectors CU/AL		Bypass	Dimensions			Knockouts					
				Line	Load		D"	W"	H"	1	2	3	4	5	6
U1060-RL	4	OH	H.O.	#2-350	#2-350	None	4 7/8	8	15 1/2	2	3/4	1/4	—	—	1/4
U1527-O	4	UG	Blank	#2-350	#2-350	None	4 7/8	11	15 1/2	2	1/2	1/4	2 1/2	1/4, 1/2	1/4
U1980-O	4	UG	Blank	#6-350	#6-350	None	4 7/8	13	15 1/2	3	2 1/2	1/4	1/2	—	—
U7021-RL-TG	4	OH	H.O.	#6-350	#6-350	None	4 7/8	8	15 1/2	2 1/2	1/2	1/4	—	—	—
U7040-XL-TG	4	OH/UG	C.P.	#6-350	#6-350	None	4 7/8	11	15 1/2	1/2	1/4	2 1/2	—	—	—
U7043-XL-TG	4	OH/UG	C.P.	#6-350	#6-350	None	4 7/8	13	15 1/2	2 1/2	1/2	1/4	—	—	—

Notes

- **Fifth Terminal:** For field mounted fifth terminal order catalog number **K5T** to fit into square opening at the 9 o'clock position.
- **Hubs:** For proper hub selection see the hub suffix chart on accessory page.
- **Connectors:** Extruded aluminum connectors are tin plated.

Utility requirements for this equipment may vary. Always consult the serving utility for their requirements prior to ordering or installing this equipment. This product must be installed by a licensed electrician. Installation of this equipment may require local electrical inspector approval.



Low Voltage, Branch Circuit Rated Fuses

Item #28

Line 28

Fusetron™ Energy Efficient, Dual-element, Time-delay Fuses

FRN-R (250V) Class RK5

Specifications

Description: Dual-element, time-delay fuse – 10 seconds (minimum) at 500% rated amps (8 seconds for 0-30A sizes). Available with indication on select ratings (see Catalog Numbers table).

Dimensions: See page 15 for Class RK5 dimensions.

Ratings:

- Volts — 250Vac (or less)
- 125Vdc (1/10-60A, 110-200A)
- 250Vdc (225-600A)
- Amps — 1/10-600A
- IR — 200kA RMS Sym.
- 20kA DC

Agency Information: CE, Std. 248-12, Class RK5, UL Listed, Guide JDDZ, File E4273, CSA Certified, Class 1422-01, File 53787.

Features and Benefits

- Separate overload and short-circuit elements provide time delay for sizing as close as 125% of motor FLA.
- 2:1 selective coordination amp ratio (within the Cooper Bussmann RK5 fuse family) prevents overcurrent events from opening upstream Fusetron fuses.
- Insulated end caps for 225A-600A fuses reduces exposure to live parts and extends air gap to distance between blades of adjacent mounted fuses or to housing.

Typical Applications

- Power Panelboards
- Motor Control Centers
- Combination Starters
- Machinery Disconnects

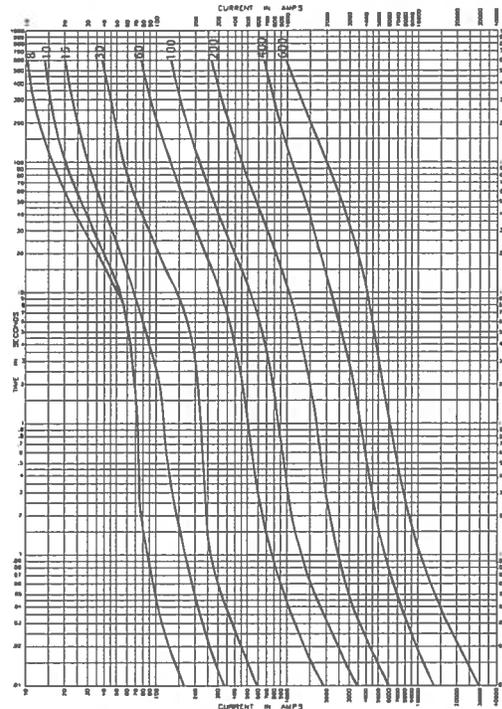
Catalog Numbers (Amps)

FRN-R-1/10	FRN-R-2	FRN-R-10*	FRN-R-100
FRN-R-1/8	FRN-R-2-1/4	FRN-R-12*	FRN-R-110
FRN-R-1/6	FRN-R-2-1/2	FRN-R-15*	FRN-R-125
FRN-R-1/4	FRN-R-2-3/8	FRN-R-17-1/2*	FRN-R-150
FRN-R-3/8	FRN-R-3	FRN-R-20*	FRN-R-175
FRN-R-1/2	FRN-R-3-3/8	FRN-R-25*	FRN-R-200
FRN-R-5/8	FRN-R-3-1/2	FRN-R-30*	FRN-R-225
FRN-R-1	FRN-R-4	FRN-R-35*	FRN-R-250
FRN-R-1-1/8	FRN-R-4-1/2	FRN-R-40*	FRN-R-300
FRN-R-1-1/4	FRN-R-5	FRN-R-45*	FRN-R-350
FRN-R-1-3/8	FRN-R-5-3/8	FRN-R-50*	FRN-R-400
FRN-R-1-1/2	FRN-R-6	FRN-R-60*	FRN-R-450
FRN-R-1-5/8	FRN-R-6-1/4	FRN-R-70	FRN-R-500
FRN-R-1-3/4	FRN-R-7	FRN-R-75	FRN-R-600
FRN-R-1-7/8	FRN-R-7-1/2	FRN-R-80	
FRN-R-2	FRN-R-8*	FRN-R-85	
FRN-R-2-1/8	FRN-R-9*	FRN-R-90	

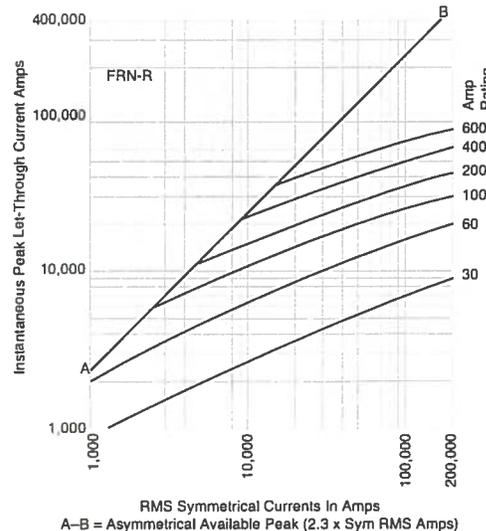
*Available with indication. To order, place "ID" at the end of the catalog number.
Example: FRN-R-30ID



Time-Current Characteristic Curves—Average Melt



Current Limitation Curves



For superior electrical protection, Bussmann recommends upgrading FRN-R fuse applications to Low-Peak LPN-RK fuses. See page 41.

Recommended Fuse Holders & Blocks For Class RK5 Fuses

- See page 19

Recommended Fuse Reducers For Class R Fuses

- See page 20

Data Sheets: 1019 (1/10-60) and 1020 (70-600)
Data Sheet: 1169 (8-60) FRN-R with indication

Item #29



DG224NRK 200A 240V 2P 3W N-3R DISC

Eaton Cutler-Hammer

Quantity:

[EES Spec Sheet](#)

[Report Problem](#)

Specifications	Additional Information	Accessories	Cross Referenced Items
Model			
Vendor	Eaton Cutler-Hammer		
Catalog Number	DG224NRK		
Manufacturer Number	DG224NRK		
Category	Disconnects - General Duty		
Classification	Safety Switches & Disconnects		
UNSPSC	N/A		
UPC/EAN/GTIN	00782113213507		
Weight per unit	45.0 (lbs/each)		
Description	DG224NRK 200A 240V 2P 3W N-3R Disc General Duty Safety Type; 3 Wire(S); UI Approval; Nema 3R Enclosure; 200 Ampe to 25 HP At 240 Vac 1 Phase, 50 HP At 240 Vac 3 Phase (Dual Element Fuse) Po Cartridge, Class H Fuse Type; Solid Neutral Type		
Price & Packaging			
Minimum Order Quantity	1 Unit		
Unit	\$ 419.20 (Each)		
Stock			
Nacogdoches	6		
All Stores	264 (Location List)		
Links & Documents			
Images	DG224NRK - Large Image DG224NRK - Small Image		
Specifications Sheets	DG224NRK - Specification Sheet		

* All prices subject to change.

We Also Carry

