

DESCRIPTION

The FPS combines features found only in the highest quality commercial lighting fixtures and adds the assurance of an unbreakable, tamper-resistant, UV stabilized, injection-molded, polycarbonate refractor. Its gasketed wraparound design prohibits the entrance of environmental contaminants. The result: no exposed metal. UL/cUL listed for wet locations. Specifically designed for use in public access areas where vandalism may occur, and for areas that must maintain a clean, well-lighted appearance. Ideal for schools, dormitories, hallways, locker rooms and restrooms.

SPECIFICATION FEATURES

Fasteners

Six captive, stainless steel T20, tamperproof TORX®-head screws prevent unauthorized access.

Backplate

One-piece 16 ga. prime CRS backplate with 16 ga. end-plates provides a firm mounting anchor.

Finish

High gloss, electrostatically applied, white powder coat finish, average minimum reflectance 92%.

Lens

Nominal 0.156 UV stabilized, injection-molded, polycarbonate refractor for high efficiency, low surface brightness and maximum strength. Designed to cover all metal and provide superior impact resistance.

Lamps

By others.

Ballast

Electronic, Class P, CBM/ETL ballast.

Labels

UL/cUL listed for wet locations. IP65 Rated, when surface mounted to a solid surface.

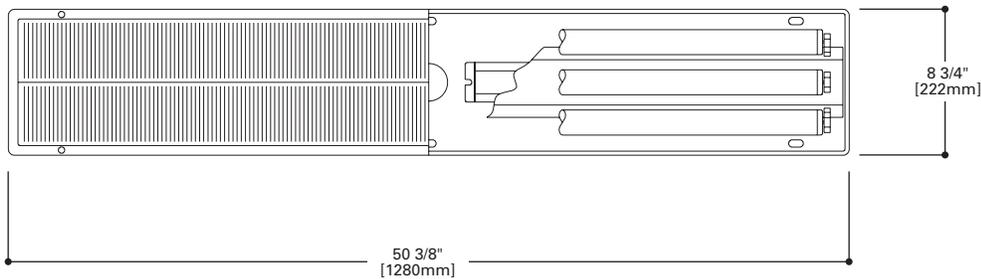
| | | | |
|-------------|--|------|--|
| Catalog # | | Type | |
| Project | | Date | |
| Comments | | | |
| Prepared by | | | |



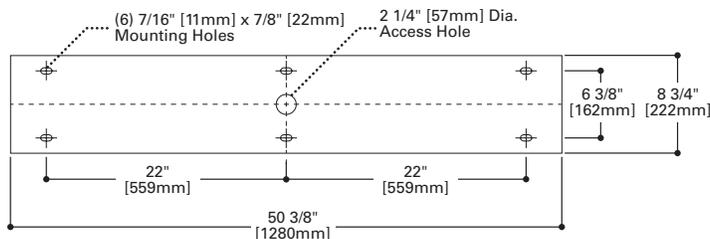
FPS

T5
T8
Fluorescent
Vandal Resistant/High Abuse

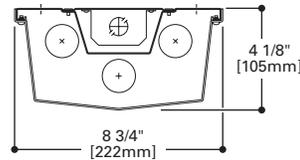
IP65 Rated



MOUNTING DIMENSIONS



SIDE DIMENSIONS



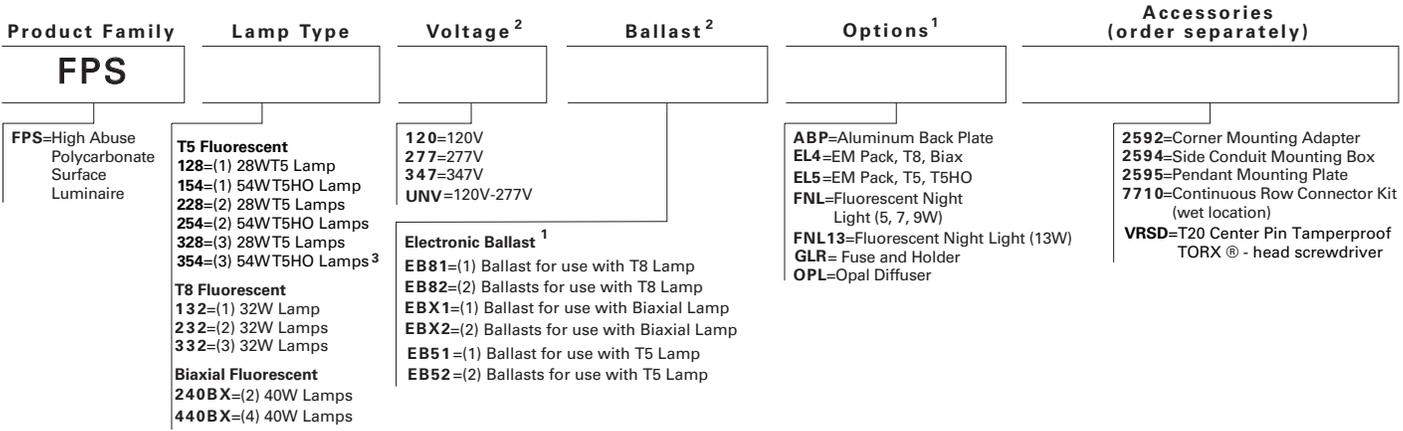
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ENERGY DATA

For Energy Management related technical data to support the performance of this fixture series, refer to the ordering information for input wattage.

ORDERING INFORMATION

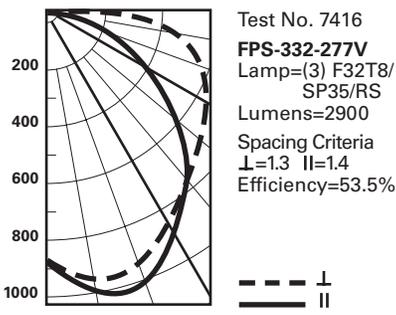
SAMPLE NUMBER: FPS-228T5-UNV-EB51



Notes:
¹ For specific electronic ballast, specify brand and catalog number.
² Products also available in non-US voltages and 50Hz for international markets. Consult your Cooper Lighting Representative for availability and ordering information.
³ For 345T5, must specify ABP option and EBHT ballast(s).

PHOTOMETRICS

Candlepower Distribution



Candlepower

| Deg. | I | II |
|------|-----|------|
| 0 | 886 | 886 |
| 5 | 917 | 921 |
| 15 | 967 | 1010 |
| 25 | 837 | 909 |
| 35 | 782 | 845 |
| 45 | 670 | 646 |
| 55 | 630 | 477 |
| 65 | 583 | 324 |
| 75 | 534 | 172 |
| 85 | 495 | 47 |
| 90 | 486 | 23 |

Zonal Lumen Summary

| Zone | Lumens | %Lamp | %Luminaire |
|--------|--------|-------|------------|
| 0-30 | 787 | 9.0 | 16.9 |
| 0-40 | 1332 | 15.3 | 28.6 |
| 0-60 | 2463 | 28.3 | 52.9 |
| 0-90 | 3897 | 44.8 | 83.8 |
| 90-180 | 756 | 8.7 | 16.2 |
| 0-180 | 4653 | 53.5 | 100.0 |

Coefficient of Utilization

| rc | 80% | | | | 70% | | | 50% | | 30% | | 10% | | 0% |
|-----|-----|----|----|----|-----|----|----|-----|----|-----|----|-----|----|----|
| | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 10 | 50 | 10 | 50 | 10 | 0 |
| RCR | | | | | | | | | | | | | | |
| 0 | 62 | 62 | 62 | 62 | 59 | 59 | 59 | 55 | 55 | 50 | 50 | 47 | 47 | 45 |
| 1 | 55 | 52 | 49 | 46 | 49 | 47 | 45 | 46 | 42 | 42 | 39 | 39 | 36 | 34 |
| 2 | 49 | 44 | 40 | 36 | 42 | 38 | 35 | 39 | 33 | 36 | 31 | 33 | 29 | 27 |
| 3 | 45 | 38 | 34 | 30 | 37 | 33 | 29 | 34 | 27 | 31 | 26 | 29 | 24 | 23 |
| 4 | 41 | 34 | 29 | 25 | 32 | 28 | 24 | 30 | 23 | 28 | 22 | 26 | 21 | 19 |
| 5 | 37 | 30 | 25 | 21 | 29 | 24 | 20 | 26 | 19 | 24 | 18 | 23 | 17 | 16 |
| 6 | 34 | 26 | 21 | 18 | 25 | 21 | 17 | 24 | 17 | 22 | 16 | 20 | 15 | 14 |
| 7 | 31 | 24 | 19 | 15 | 23 | 18 | 15 | 21 | 14 | 20 | 14 | 18 | 13 | 12 |
| 8 | 29 | 21 | 17 | 13 | 20 | 16 | 13 | 19 | 12 | 18 | 12 | 16 | 11 | 10 |
| 9 | 27 | 19 | 15 | 11 | 18 | 14 | 11 | 17 | 11 | 16 | 10 | 15 | 10 | 8 |
| 10 | 25 | 17 | 13 | 10 | 17 | 13 | 10 | 16 | 9 | 14 | 9 | 13 | 8 | 7 |

rc=Ceiling reflectance, rw=W all reflectance, RCR=Room cavity ratio
 CU Data Based on 20% Effective Floor Cavity Reflectance.