



NYC Department of Buildings
280 Broadway, New York, NY 10007
Patricia Lancaster, FAIA, Commissioner
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Report of Materials and Equipment Acceptance Division

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

MEA 302-05-M

Manufacturer: American PERMALIGHT, Inc., 2531 W 237th Street #113, Torrance, CA 90505. Tel. 310-891-0924. Fax 310-891-0996.

Trade Name(s): PERMALIGHT® Rigid Aluminum 0.7 mm; 81-60007

Product: UV rated Photoluminescent Exit Path markings

Pertinent Code Section(s): §27-131.1, 27-383(b), Reference Standards RS 6-1 and RS6-1A

Prescribed Test(s):

1. Brightness Ratings – ISO 17398:2004
2. Washability ASTM D 4828-1994 (2003)
3. Toxicity Bombardier SMP 800-C
4. Radioactivity ASTM D 3648-2004
5. Flame Spread ASTM D 635-2003 and ASTM D 635-2003
6. UV Degradation ASTM G 155-2004

Laboratory: California Institute of Electronics and Materials Science – Tests: 1. & 4. & 6. Bodycote – Tests: 2. & 3. & 5.

Test Report(s): CIEMS – Brightness Test Report: 950280813 issued August 31, 2005. Bodycote – Washability Test Report: 05-04-2105-1-1 dated August 18, 2005. Bodycote – Toxic Gas Generation Test Report: 05-02-509(D3) issued July 12, 2005. CIEMS – Radioactivity Test Report: 950070870 issued July 6, 2005. Bodycote – Horizontal Burning Rate Test Report: 05-02-509(D2) issued July 12 2005. Bodycote – Surface Flammability Report: 05-02-509(D1) issued July 12, 2005. CIEMS – UV Degradation Test Report: 950180511-1 issued August 11, 2005.

Description:

Photoluminescent Signage and Exit Path Markings	Size (height x width)	Model-No.
Rigid Aluminum 0.7 mm	max. 40" x 48"	81-60007**
Photoluminescent Signage and Exit Path Markings	Size (height x width)	Model-No.
Modular Design System for Signage		
Exit [4" letter height]	4.35" x 8.7"	86-60017
Exit [4" letter height]	4.35" x 8.7"	86-60017P
Man to right [4" symbol height]	4.35" x 4.35"	86-60027
Man to right [4" symbol height]	4.35" x 4.35"	86-60027P
Man to left [4" symbol height]	4.35" x 4.35"	86-60037
Man to left [4" symbol height]	4.35" x 4.35"	86-60037P
Arrow, straight [2 3/4" arrow height]	4.35" x 4.35"	86-60047
Arrow, straight [2 3/4" arrow height]	4.35" x 4.35"	86-60047P
Arrow, diagonal [2 3/4" arrow height]	4.35" x 4.35"	86-60057
Arrow, diagonal [2 3/4" arrow height]	4.35" x 4.35"	86-60057P
NOT AN EXIT [1" letter height]	1.35" x 4.35"	86-60067
NOT AN EXIT [1" letter height]	1.35" x 4.35"	86-60067P
NOT AN EXIT [approx. 2" letter height]	2.35" x 8.7"	86-60077
NOT AN EXIT [approx. 2" letter height]	2.35" x 8.7"	86-60077P
Sign: FINAL [2" letter height]	2.35" x 8.7"	86-60087
Sign: FINAL [2" letter height]	2.35" x 8.7"	86-60087P
Sign: Custom text (e.g. THROUGH LOBBY, TO STREET) per § 2.2.9.1 [2" letter height]	2.35" x custom	86-60097
Sign: Custom text (e.g. THROUGH LOBBY, TO STREET) per § 2.2.9.1 [2" letter height]	2.35" x custom	86-60097P
Markings		
Door handle marking for intermediate & final exit doors, self-adhesive (shape could vary but no less than 16 sq.in. in size); may include safety green graphics, such as arrows, EXIT, PUSH, PULL or similar egress related symbols provided the minimum 16 square inches of photoluminescent material are maintained.	min. 16 sq.inch	82-60107
self-adhesive Strip for continuous outlining, e.g., to mark floors, leading edge of steps, for walls, door frames, handrails	1" x 4 ft	83-60107
self-adhesive Strip for continuous outlining, e.g., to mark floors, leading edge of steps, for walls, door frames, handrails	2" x 4 ft	83-60117
Obstacle marking strip with black stripes, self-adhesive [pattern of alternating equal bands black/ photoluminescent @ 45° angle]	1" x 4 ft	83-60087
Obstacle marking strip with black stripes, self-adhesive [pattern of alternating equal bands black/ photoluminescent @ 45° angle]	2" x 4 ft	83-60097
L-shaped marker for stairs LEFT, self-adhesive	1" x 3" x 8"	83-60027
L-shaped marker for stairs RIGHT, self-adhesive	1" x 3" x 8"	83-60037
L-shaped marker for stairs LEFT, self-adhesive	2" x 4" x 8"	83-60047
L-shaped marker for stairs RIGHT, self-adhesive	2" x 4" x 8"	83-60057
L-shaped marker for stairs LEFT, self-adhesive	1" x 3" x custom	83-60127
L-shaped marker for stairs RIGHT, self-adhesive	1" x 3" x custom	83-60137
L-shaped marker for stairs LEFT, self-adhesive	2" x 4" x custom	83-60147
L-shaped marker for stairs, RIGHT, self-adhesive	2" x 4" x custom	83-60157
Combined Signs		
Man to right + arrow right [Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60117
Man to right + arrow right [Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60117P
Man to left + arrow left [Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60127
Man to left + arrow left [Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60127P
Man to right + arrow right up [Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60137
Man to right + arrow right up [Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60137P
Man to left + arrow left up [Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60147
Man to left + arrow left up [Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60147P
Man to right + arrow right down [Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60157

Photoluminescent Signage and Exit Path Markings	Size (height x width)	Model-No.
Man to right + arrow right down [Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60157P
Man to left + arrow left down [Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60167
Man to left + arrow left down [Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60167P
Man to right + arrow straight down [Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60177
Man to right + arrow straight down [Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60177P
Man to right + arrow straight up [Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60187
Man to right + arrow straight up [Man symbol 4" height; arrow 2 3/4" height]	4.5" x 8"	86-60187P
NOT AN EXIT sign with Symbol; black & red print [Letters 1" height]	8" x 6"	86-60197P
FINAL EXIT + Man to right + arrow straight up [Man symbol + EXIT 4" height; arrow 2 3/4"; FINAL 2" height]	14" x 8"	86-60207
EXIT THROUGH LOBBY + Man to right + arrow right down [Man symbol + EXIT 4" height; arrow 2 3/4"; THROUGH LOBBY 2" height]	8" x 18"	86-60217
EXIT THROUGH LOBBY + Man to right + arrow right down [Man symbol + EXIT 4" height; arrow 2 3/4"; THROUGH LOBBY 2" height]	8" x 18"	86-60217P
EXIT TO STREET + Man to right + arrow right down [Man symbol + EXIT 4" height; arrow 2 3/4"; TO STREET 2" height]	8" x 18"	86-60227
EXIT TO STREET + Man to right + arrow right down [Man symbol + EXIT 4" height; arrow 2 3/4"; TO STREET 2" height]	8" x 18"	86-60227P
EXIT TO STREET + Man to left + arrow left down [Man symbol + EXIT 4" height; arrow 2 3/4"; TO STREET 2" height]	8" x 18"	86-60237
EXIT TO STREET + Man to left + arrow left down [Man symbol + EXIT 4" height; arrow 2 3/4"; TO STREET 2" height]	8" x 18"	86-60237P
Man to left + arrow left down + EXIT [Man symbol + EXIT 4" height; arrow 2 3/4" height]	10" x 9"	86-60247
Man to right + Arrow right down + EXIT [Man symbol + EXIT 4" height; arrow 2 3/4" height]	10" x 9"	86-60257
Man to right + Arrow right up + EXIT [Man symbol + EXIT 4" height; arrow 2 3/4" height]	10" x 9"	86-60267
Man to left + Arrow left up + EXIT [Man symbol + EXIT 4" height; arrow 2 3/4" height]	10" x 9"	86-60277
EXIT + Man to right [Man + EXIT symbol 4" height]	4.5" x 9.5"	86-60287
NOT AN EXIT [Letters 1" height]	1.5" x 6"	86-60297
NOT AN EXIT [Letters 1" height]	1.5" x 6"	86-60297P
Sign: Custom, possible with letters, numbers, graphics (e.g., Floor Number, Stair Case Designation, Re-entry Door sign, ADA-related, and more); additional/non-required signs per § 2.5 that direct persons to egress routes; non-photoluminescent portions in safety green.	various dimensions	86-60307 *
Sign: Custom, possible with letters, numbers, graphics (e.g., Floor Number, Stair Case Designation, Re-entry Door sign, ADA-related, and more); additional/non-required signs per § 2.5 that direct persons to egress routes; non-photoluminescent portions in safety green.	various dimensions	86-60307P *
Sign: Custom (e.g., Fire fighting related, ADA-related, and more); additional/non-required signs per § 2.5 that are informational but do not direct persons to egress routes with the non-photoluminescent portions in any color but safety green	various dimensions	86-60317 *
Sign: Custom (e.g., Fire fighting related, ADA-related, and more); additional/non-required signs per § 2.5 that are informational but do not direct persons to egress routes with the non-photoluminescent portions in any color but safety green	various dimensions	86-60317P *

Notes: * The model(s) with asterisks comply with laboratory tests but do not satisfy the design and/or dimensional requirements for mandatory installations under Section 2.1 and 2.2 of RS6-1. These models with asterisks may be installed only as "additional signs and markings" under section 2.5 of RS 6-1.

**** The model(s) with two asterisks is intended for sale to secondary manufacturers who must apply for their own respective MEA number.**

P as part of model number designates: POSITIVE print.

Terms and Conditions: That the above units be accepted on condition that:

1. Pathway markings of green color shall be in compliance with ANSI X535.1 Safety Color Code.
2. Arrows and egress symbols shall comply with ISO 7010 E001, E002, E003, and E004.
3. All approved materials shall be labeled and identified with the model number as well as with MEA No. 302-05-M BR: 36-9-6 UV in a minimum of six (6) point type with at least one such identification on each piece of material installed in accordance with RS 6-1.
4. No radioactive materials are to be used.
5. All signs and markings shall conform to the pictorial representations submitted with this application.
6. All models directing persons to exits are to be installed at a low location so as not to confuse with other required exit signage.
7. No transparent or translucent overlaminates, varnishes, or other coatings shall be applied to the photoluminescent portions of the marking.
8. This acceptance is limited to the materials used and does not include the installation for compliance with §27-383(b) and Reference Standard 6-1, which is the responsibility of the building owner.

All shipments and deliveries of photoluminescent exit path markings shall be provided with a certification from the manufacturer, certifying that the materials shipped or delivered are equivalent to those tested and accepted for use, as provided for in section 27-131 of the Building Code.

Final Acceptance September 22, 2005

Examined BY Simon Derkhudam