

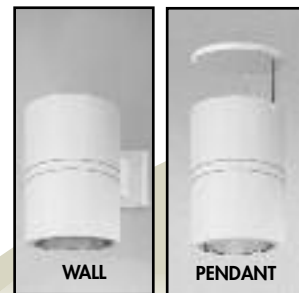
OM10H400E28MHUPDNPC SPL

10" Horizontal Splay Lens Reflector Up/Down Cylinder

CAT. NO:

TYPE:

PROJECT:



PRODUCT INFORMATION

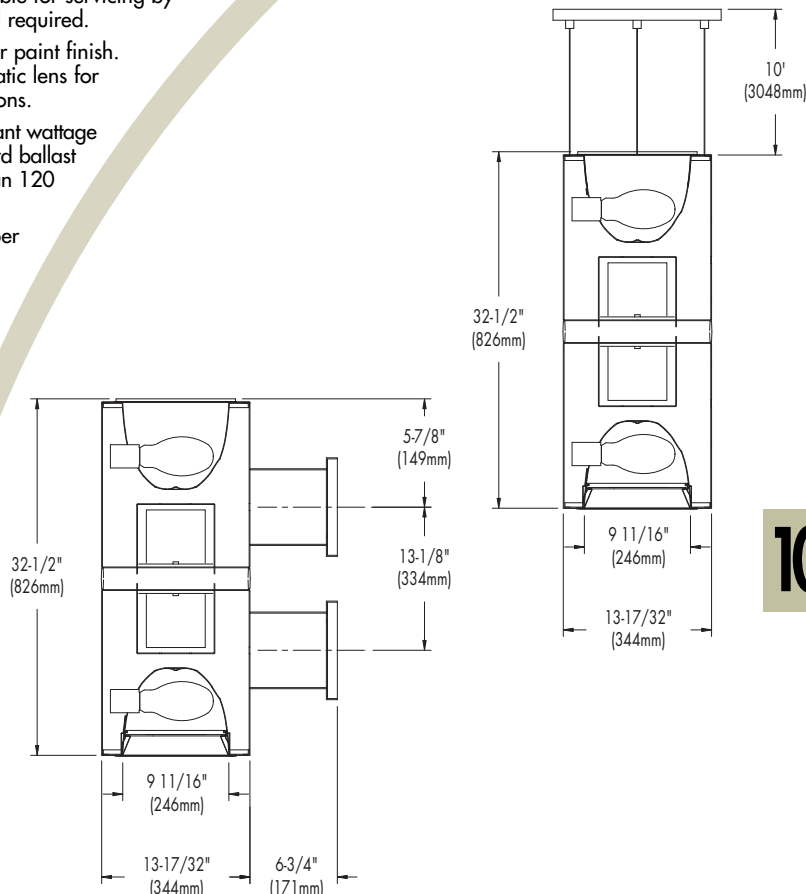
Applications

A low brightness cylinder for use with efficient metal halide lamps. Provides broad, uniform light distribution for general illumination above and below the fixture.

Specifications

- Housing** - Aluminum cylinder with cast aluminum top and bottom ring on pendant and wall units.
- Installation** - Top plate assembly mounts directly to outlet box. Anchor holes are provided. Socket and ballast are mounted to top plate and are accessible for servicing by removal of screws secured to housing. Junction box with 3/8" IPS stud required.
- Splay Trim** - Spun aluminum regressed splay trim with white powder paint finish. Torsion spring mounting for ease of installation. Flat fresnel and prismatic lens for smooth, even distribution of light. Flat clear lens for enclosed applications.
- Ballast** - Encased and potted, core and coil, high power factor, constant wattage auto transformer, with a minimum starting temperature of -20°F. Standard ballast is 120/277 dual tap, 60 hertz. For remote operation, voltages other than 120 or 277 or 50 HZ operation, consult factory.
- Socket** - Mogul base 600V porcelain socket with nickel-plated copper screw shell and 200°C wire.
- Optional Fusing** - Add FZ120 for 120 volt, FZ277 for 277 volt or FZ347 for 347 volt.
- Pendant** - Pendant mount features three stainless steel aircraft cables that are easily field adjustable to any length.
- U.L. Listed** - For use in wet location/covered ceiling, for wet locations without ceiling, add option "WL". Approved for Through Branch Circuit Wiring. I.B.E.W. union made.

Canadian Specifications may vary from these shown, consult Canadian Division.



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CATALOG SYSTEM AND OPTIONS

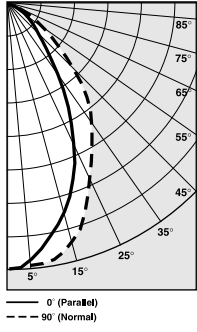
EXAMPLE OF COMPLETE CATALOG NUMBER: **OM10H400E28MHUPDNPC-SPL-FL-U**

OMEGA Apr	Lamp Position	Lamp (by others)	Lamp Type	Configuration	Product Family	Reflector Type	Lens (required)	Frame Options	Supply Voltage
OM10	H Horizontal	250 E28	MH Metal Halide	UPDN Up/Down	WC Wall Cylinder PC Pendant Cylinder	SPL Splay Lens (white) CSSPL Clear Semi-Specular BBSPL Black Baffle Splay BKSPL Splay Lens (black)	FL Fresnel Lens PL Prismatic Lens CL Clear Lens	FZ120 Fusing FZ277 Fusing FZ347 Fusing WL Wet Location	U 120/277 3 347



FIVE YEAR
Warranty

Note: Downlight data shown, uplight has the same distribution.

<p>OM101H250E28MHSPL-FL Photometric Data</p> <p>Fresnel Lens with White Regressed Splay</p> <p>Report Number: 22385 Lamp: 250W MH Total Lumens: 19,475 Fixture Efficiency: = 54.7% IES File: F22835.IES S/MH Ratio = 0.8, 1.0 Beam Angle: 64.90</p>	<p style="text-align: center;">LIGHTING PERFORMANCE DATA</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CEILING HEIGHT* (FT.)</th> <th>INITIAL FOOTCANDLES</th> <th>BEAM DIAMETER (FT.-IN.)</th> </tr> </thead> <tbody> <tr> <td>8</td> <td>269.9</td> <td>6-12</td> </tr> <tr> <td>10</td> <td>145.2</td> <td>9-6</td> </tr> <tr> <td>12</td> <td>90.5</td> <td>12-1</td> </tr> <tr> <td>14</td> <td>61.7</td> <td>14-7</td> </tr> <tr> <td>16</td> <td>44.8</td> <td>17-2</td> </tr> </tbody> </table>	CEILING HEIGHT* (FT.)	INITIAL FOOTCANDLES	BEAM DIAMETER (FT.-IN.)	8	269.9	6-12	10	145.2	9-6	12	90.5	12-1	14	61.7	14-7	16	44.8	17-2	<p style="text-align: center;">DISTRIBUTION CURVE</p>  <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>DEGREES</th> <th>CANDELA AT 0°</th> <th>FOOT-LAMBERTS</th> </tr> </thead> <tbody> <tr><td>90</td><td>0</td><td>0</td></tr> <tr><td>85</td><td>26</td><td>24</td></tr> <tr><td>75</td><td>160</td><td>200</td></tr> <tr><td>65</td><td>382</td><td>611</td></tr> <tr><td>55</td><td>742</td><td>1387</td></tr> <tr><td>45</td><td>1284</td><td>2811</td></tr> <tr><td>35</td><td>2606</td><td>4427</td></tr> <tr><td>25</td><td>4700</td><td>5884</td></tr> <tr><td>15</td><td>6609</td><td>7552</td></tr> <tr><td>5</td><td>7892</td><td>7995</td></tr> <tr><td>0</td><td>8165</td><td>8165</td></tr> </tbody> </table>	DEGREES	CANDELA AT 0°	FOOT-LAMBERTS	90	0	0	85	26	24	75	160	200	65	382	611	55	742	1387	45	1284	2811	35	2606	4427	25	4700	5884	15	6609	7552	5	7892	7995	0	8165	8165	<p style="text-align: center;">COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD</p> <p style="text-align: center;">Effective Floor Cavity Reflectance 0.20</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">RC</th> <th colspan="2">80</th> <th colspan="2">70</th> <th colspan="2">50</th> </tr> <tr> <th>50</th> <th>30</th> <th>50</th> <th>30</th> <th>50</th> <th>30</th> </tr> </thead> <tbody> <tr><td>0</td><td>65</td><td>65</td><td>64</td><td>64</td><td>61</td><td>61</td></tr> <tr><td>1</td><td>59</td><td>58</td><td>58</td><td>56</td><td>56</td><td>55</td></tr> <tr><td>2</td><td>54</td><td>51</td><td>53</td><td>50</td><td>51</td><td>49</td></tr> <tr><td>3</td><td>49</td><td>45</td><td>48</td><td>45</td><td>46</td><td>44</td></tr> <tr><td>4</td><td>45</td><td>41</td><td>44</td><td>40</td><td>43</td><td>40</td></tr> <tr><td>5</td><td>41</td><td>37</td><td>40</td><td>37</td><td>39</td><td>36</td></tr> <tr><td>6</td><td>38</td><td>34</td><td>37</td><td>33</td><td>36</td><td>33</td></tr> <tr><td>7</td><td>35</td><td>31</td><td>34</td><td>31</td><td>34</td><td>30</td></tr> <tr><td>8</td><td>32</td><td>28</td><td>32</td><td>28</td><td>31</td><td>28</td></tr> <tr><td>9</td><td>30</td><td>26</td><td>30</td><td>26</td><td>29</td><td>26</td></tr> <tr><td>10</td><td>28</td><td>24</td><td>28</td><td>24</td><td>27</td><td>24</td></tr> </tbody> </table>	RC	80		70		50		50	30	50	30	50	30	0	65	65	64	64	61	61	1	59	58	58	56	56	55	2	54	51	53	50	51	49	3	49	45	48	45	46	44	4	45	41	44	40	43	40	5	41	37	40	37	39	36	6	38	34	37	33	36	33	7	35	31	34	31	34	30	8	32	28	32	28	31	28	9	30	26	30	26	29	26	10	28	24	28	24	27	24
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*Readings at working plane, 2'6" above floor. Beam Angle and Diameter Cutoff at 50% of max. Candlepower Coefficients used at effective reflectances of: 70% Ceiling, 50% Walls, 20% Floor

To convert values for optional reflector colors, multiply by:
 Gold .90 Bronze .82 Pewter .87

Additional photometric test files are available @ omegalighting.com



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