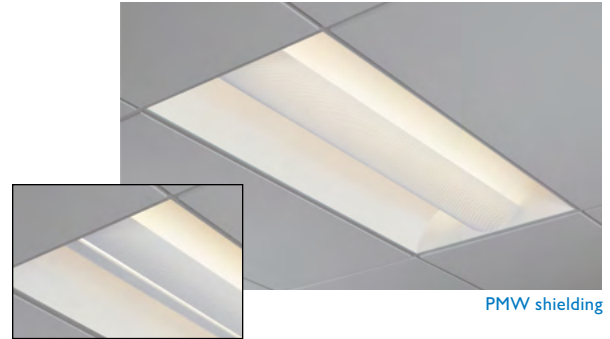


Natural soft lighting with classic styling

ARIOSO RECESSED PERF 2X4



SPMW shielding

PMW shielding



PHILIPS DAY-BRITE / PHILIPS CFI ARIOSO RECESSED PERF 2X4

The Philips Day-Brite / Philips CFI Ariosso Recessed Perf offers simple clean lines in combination with soft natural illumination. With micro-perforated baskets and contoured seamless reflectors, this series focuses on providing smooth comfortable lighting while subtly complementing the space. Flexible enough to integrate with any architectural design, Ariosso Recessed provides a soft unassuming glow with comfortable illumination to optimize work and recreational activities.

Project: _____

Location: _____

Catalog No: _____

Fixture Type: _____

Mfg: _____ Qty: _____

Notes: _____

Ordering guide

example: 2AVG232-PMW-UNV-1/2-EBLHE-LPT835HL

Width	Family	Ceiling Type	No. of Lamps (not included)	Lamp Type/ Wattage	Shielding	Voltage	Options
2	AV	G					
2' 2'	AV Ariosso Recessed Perf	G Grid	2 (T5 and T8 only) 3 (T5 and T8 only) 4 (CF only)	28 28W T5 (46") 32 32W T8 (48") 54HO 54W T5HO (46") CF40 40W T5 (24") CF50 50W T5 (24") CF55 55W T5 (24")	PMW Perforated metal w/ white overlay SPMW 2-piece perforated metal with white overlay	120 277 347 UNV Universal voltage, 120-277 volt	<div>1/2 One 2-lamp ballast</div> <div>1/3 One 3-lamp ballast</div> <div>1/21 2-lamp & 1-lamp ballasts</div> <div>2/2 Two 2-lamp ballasts</div> <div>EB Electronic ballast, <20% THD</div> <div>EB10I Electronic ballast, instant start, <10% THD</div> <div>EB10R Elec. ballast, program rapid start, <10% THD</div> <div>EBL T8 elec. ballast, low ballast factor</div> <div>EBH T8 elec. ballast, high ballast factor</div> <div>EBHE T8 elec. ballast, high eff., std. ballast factor</div> <div>EBLHE T8 elec. ballast, high eff., low ballast factor</div> <div>EBHHE T8 elec. ballast, high eff., high ballast factor</div> <div>EBD Electronic dimming ballast</div> <div>EBSD T8 elec. ballast, step dimming, std. (.88) ballast factor</div> <div>ESNOLP Electronic ballast for energy saving (25/28/30W) T8 lamps, use when lamps are not specified w/ luminaire</div> <div>E1 DEB-1 emerg. ballast, T8 or CF40, 350-450 lumens</div> <div>E1CAN DEB-1 emerg. ballast, Canada market, T8 or CF40, 350-450 lumens, 120/347V</div> <div>E7 DEB-7 emerg. ballast, 390-700 lumens</div> <div>E5 DEB-5 emerg. ballast, US or Canada market, T8 or CF, 1100-1400 lumens, 120/277V</div> <div>E5CAN DEB-5 emerg. ballast, Canada market, T8 or CF, 1100-1400 lumens, 120/347V</div> <div>E5ST DEB-5ST emerg. ballast with self test, 1100-1400 lumens</div> <div>E7LP DEB-7LP emerg. ballast, T8/T5/T5HO, 430-700 lumens</div> <div>E6LP DEB-6LP emerg. ballast, US or Canada market, T8/T5/T5HO, 750-1325 lumens, 120/277V</div> <div>F1 Installed flex, 3/8" diameter, 18 gauge, 3 wire, 6'</div> <div>F2 Installed flex, 3/8" diameter, 18 gauge, 4 wire, 6'</div> <div>GLR# Fusing, fast blow (# = number of ballasts)</div> <div>LPT735 Installed lamps, 70+ CRI, 3500K</div> <div>LPT835HL Installed T8 or T5 hi lumen lamps, 80+ CRI, 3500K</div>

Accessories (order separately)

- AVHD – Hold down clips
- AV-DC4 – Debris cover 2'x4'
- AV-GC4 – Germ cover 2'x4'
- FMA24 – 2'x4' "F" mounting frame for NEMA "F" mounting

PHILIPS
Day-Brite

PHILIPS
CFI

ARIOSO RECESSED PERF 2X4

Application

- Architectural recessed direct/indirect lighting for glare free illumination.
- Suitable for grid inverted T (NEMA "G") ceilings. Flange type ceilings (NEMA "F") require independently mounted flange kits (FMA).
- Fully recessed mounting, suitable for row mounting.

Construction/Finish

- Top reflector and end panels are formed together with no gaps.
- No visible welding, screws, latches, springs, hooks, rivets or plastic supports.
- Soft white baked enamel finish.
- Easy ballast access through lamp compartment.
- Optional hold down clips available (order separately: cat # AVHD).

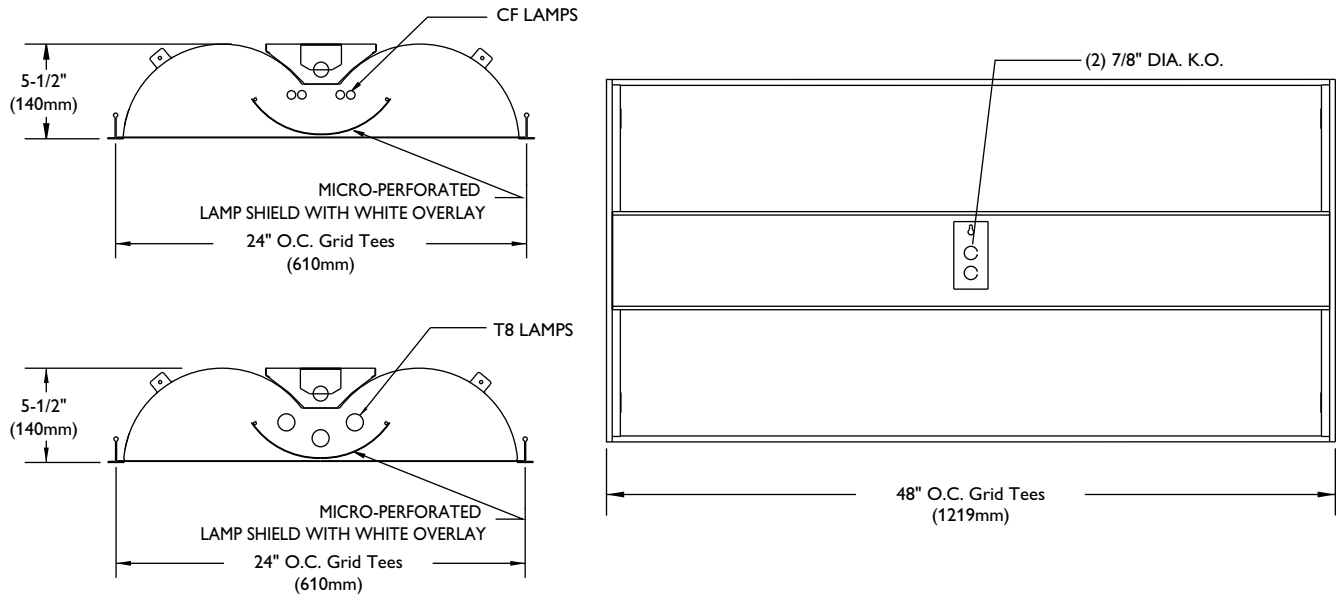
Electrical

- Class P, HPF ballasts comply with Ⓔ Federal Ballast Law (Public Law 100-357,1988).
- cCSAus listed.
- Self-contained fluorescent emergency power pack can be incorporated.

Enclosure

- Choice of one-piece (PMW) or two-piece (SPMW) lamp shield configuration.
- Micro-perforated mesh lamp shield provides soft awareness of light source.
- Soft white overlay on inside of micro-perforated mesh conceals lamp image and balances between reflected and direct light.
- Swing down lamp shield for easy relamping.
- Lamp shield end trim is included with PMW models for field installation if desired (not required).

Dimensions



Photometry

Ariosso Recessed Perf (PMW) 2x4 2 Lamp T8

		Candlepower				Light Distribution				Average Luminance			
Catalog No.	2AVG232-PMW-1/2-EB	Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross
Test No.	25911	0	1290	1290	1290	0-30	1011	17.7	25.9	45	1617	1811	1956
S/MH	1.3	5	1295	1286	1278	0-40	1671	29.3	42.7	55	1487	1848	2036
Lamp Type	F32T8	10	1277	1270	1266	0-60	3042	53.4	77.8	65	1334	1854	1939
Lumens/Lamp	2850	15	1245	1244	1246	0-90	3912	68.6	100.0	75	1159	1481	1438
Ballast Factor	.88	20	1201	1210	1220								
Input Watts	60	25	1144	1165	1183								
Comparative yearly lighting energy cost per 1000 lumens – \$4.21 based on 3000 hrs. and \$.08 pwr KWH.		30	1082	1114	1149								
		35	1007	1053	1106								
		40	918	991	1055								
		45	823	922	996								
		50	718	846	925								
		55	614	763	841								
		60	508	671	734								
		65	406	564	590								
		70	309	438	407								
		75	216	276	268								
The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.		80	130	140	152								
		85	57	51	53								
						Coefficients of Utilization							
						EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)							
pcc		80				70				50			
pw		70	50	30		70	50	30		50	30		
RCR													
0		81	81	81		80	80	80		76	76		
1		75	70	68		72	69	67		67	64		
2		68	61	56		66	59	56		57	54		
3		60	54	47		59	53	47		51	46		
4		56	47	41		55	46	40		45	40		
5		51	41	35		50	41	35		40	34		
6		46	38	32		46	36	32		35	30		
7		44	34	28		42	34	28		33	28		
8		40	30	26		40	30	25		29	25		
9		38	28	23		36	28	23		28	23		
10		35	27	20		34	26	20		26	20		



Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled, "Contain Mercury" and/or the symbol "HG". Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and disposal can be found at www.lamprecycle.org

ARIOSO RECESSED PERF 2X4

Ariosio Recessed Perf (PMW) 2x4 3 Lamp T8

Efficiency – 64.9%

LER – 56

TER – 48

		Candlepower				Light Distribution				Average Luminance																																																																																																																																			
Catalog No.	2AVG332-PMW-1/3-EB	Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross																																																																																																																																
Test No.	25512	0	1836	1836	1836	0-30	1438	16.8	25.9	45	2337	2551	2692																																																																																																																																
S/MH	1.3	5	1843	1831	1813	0-40	2373	27.8	42.8	55	2157	2566	2794																																																																																																																																
Lamp Type	F32T8	10	1816	1808	1795	0-60	4297	50.3	77.5	65	1912	2569	2740																																																																																																																																
Lumens/Lamp	2850	15	1778	1776	1771	0-90	5547	64.9	100.0	75	1642	2178	2167																																																																																																																																
Ballast Factor	.88	20	1713	1722	1725					85	1275	1434	1466																																																																																																																																
Input Watts	87	25	1640	1660	1675	<div>Coefficients of Utilization</div> <div>EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)</div> <table><tr><td>pcc</td><td colspan="3">80</td><td colspan="3">70</td><td colspan="3">50</td></tr><tr><td>pw</td><td>70</td><td>50</td><td>30</td><td>70</td><td>50</td><td>30</td><td>50</td><td>30</td></tr><tr><td>RCR</td><td colspan="3"></td><td colspan="3"></td><td colspan="3"></td></tr><tr><td>0</td><td>77</td><td>77</td><td>77</td><td>75</td><td>75</td><td>75</td><td>71</td><td>71</td></tr><tr><td>1</td><td>69</td><td>67</td><td>64</td><td>68</td><td>66</td><td>63</td><td>63</td><td>60</td></tr><tr><td>2</td><td>64</td><td>57</td><td>54</td><td>61</td><td>56</td><td>53</td><td>55</td><td>51</td></tr><tr><td>3</td><td>57</td><td>51</td><td>46</td><td>56</td><td>50</td><td>45</td><td>47</td><td>44</td></tr><tr><td>4</td><td>53</td><td>45</td><td>39</td><td>51</td><td>44</td><td>39</td><td>42</td><td>38</td></tr><tr><td>5</td><td>48</td><td>40</td><td>34</td><td>46</td><td>39</td><td>34</td><td>38</td><td>33</td></tr><tr><td>6</td><td>45</td><td>35</td><td>29</td><td>44</td><td>34</td><td>29</td><td>34</td><td>28</td></tr><tr><td>7</td><td>41</td><td>33</td><td>27</td><td>40</td><td>32</td><td>27</td><td>30</td><td>26</td></tr><tr><td>8</td><td>39</td><td>29</td><td>23</td><td>38</td><td>28</td><td>23</td><td>28</td><td>23</td></tr><tr><td>9</td><td>35</td><td>27</td><td>22</td><td>34</td><td>27</td><td>22</td><td>26</td><td>20</td></tr><tr><td>10</td><td>34</td><td>25</td><td>20</td><td>33</td><td>25</td><td>20</td><td>23</td><td>20</td></tr></table>								pcc	80			70			50			pw	70	50	30	70	50	30	50	30	RCR										0	77	77	77	75	75	75	71	71	1	69	67	64	68	66	63	63	60	2	64	57	54	61	56	53	55	51	3	57	51	46	56	50	45	47	44	4	53	45	39	51	44	39	42	38	5	48	40	34	46	39	34	38	33	6	45	35	29	44	34	29	34	28	7	41	33	27	40	32	27	30	26	8	39	29	23	38	28	23	28	23	9	35	27	22	34	27	22	26	20	10	34	25	20	33	25	20	23	20
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2	64	57	54	61	56									53	55	51																																																																																																																													
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<div>Comparative yearly lighting energy cost per 1000 lumens – \$4.29 based on 3000 hrs. and \$.08 pwr KWH.</div> <div>The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.</div>		30	1551	1586	1619																																																																																																																																								
		35	1440	1496	1542																																																																																																																																								
		40	1321	1400	1462																																																																																																																																								
		45	1190	1299	1371																																																																																																																																								
		50	1044	1182	1272																																																																																																																																								
		55	891	1060	1154																																																																																																																																								
		60	736	927	1012																																																																																																																																								
		65	582	782	834																																																																																																																																								
		70	441	614	599																																																																																																																																								
		75	306	406	404																																																																																																																																								
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		85	80	90	92																																																																																																																																								

Ariosio Recessed Perf (SPMW) 2x4 2 Lamp T8

Efficiency – 57.9%

LER – 49

TER – 42

		Candlepower				Light Distribution				Average Luminance																																																																																																																																			
Catalog No.	2AVG232-SPMW-1/2-EB	Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross																																																																																																																																
Test No.	26732	0	1030	1030	1030	0-30	819	14.4	24.8	45	1307	1461	1671																																																																																																																																
S/MH	1.4	5	1035	1027	1019	0-40	1362	23.9	41.2	55	1257	1597	1741																																																																																																																																
Lamp Type	F32T8	10	1022	1019	1016	0-60	2547	44.7	77.1	65	1194	1627	1535																																																																																																																																
Lumens/Lamp	2850	15	998	1002	1003	0-90	3304	58.0	100.0	75	1076	1175	1003																																																																																																																																
Ballast Factor	0.88	20	967	979	990					85	865	803	695																																																																																																																																
Input Watts	59	25	925	950	975	<div>Coefficients of Utilization</div> <div>EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)</div> <table><tr><td>pcc</td><td colspan="3">80</td><td colspan="3">70</td><td colspan="3">50</td></tr><tr><td>pw</td><td>70</td><td>50</td><td>30</td><td>70</td><td>50</td><td>30</td><td>50</td><td>30</td></tr><tr><td>RCR</td><td colspan="3"></td><td colspan="3"></td><td colspan="3"></td></tr><tr><td>0</td><td>68</td><td>68</td><td>68</td><td>67</td><td>67</td><td>67</td><td>64</td><td>64</td></tr><tr><td>1</td><td>63</td><td>59</td><td>56</td><td>60</td><td>58</td><td>56</td><td>56</td><td>54</td></tr><tr><td>2</td><td>56</td><td>52</td><td>47</td><td>55</td><td>51</td><td>46</td><td>48</td><td>46</td></tr><tr><td>3</td><td>52</td><td>45</td><td>40</td><td>50</td><td>44</td><td>40</td><td>42</td><td>39</td></tr><tr><td>4</td><td>46</td><td>40</td><td>34</td><td>46</td><td>39</td><td>34</td><td>38</td><td>33</td></tr><tr><td>5</td><td>42</td><td>35</td><td>29</td><td>41</td><td>34</td><td>29</td><td>34</td><td>28</td></tr><tr><td>6</td><td>40</td><td>32</td><td>27</td><td>39</td><td>30</td><td>26</td><td>29</td><td>26</td></tr><tr><td>7</td><td>36</td><td>28</td><td>23</td><td>35</td><td>28</td><td>23</td><td>27</td><td>23</td></tr><tr><td>8</td><td>34</td><td>26</td><td>20</td><td>33</td><td>26</td><td>20</td><td>25</td><td>20</td></tr><tr><td>9</td><td>32</td><td>23</td><td>19</td><td>30</td><td>23</td><td>19</td><td>23</td><td>19</td></tr><tr><td>10</td><td>29</td><td>22</td><td>17</td><td>28</td><td>22</td><td>17</td><td>20</td><td>17</td></tr></table>								pcc	80			70			50			pw	70	50	30	70	50	30	50	30	RCR										0	68	68	68	67	67	67	64	64	1	63	59	56	60	58	56	56	54	2	56	52	47	55	51	46	48	46	3	52	45	40	50	44	40	42	39	4	46	40	34	46	39	34	38	33	5	42	35	29	41	34	29	34	28	6	40	32	27	39	30	26	29	26	7	36	28	23	35	28	23	27	23	8	34	26	20	33	26	20	25	20	9	32	23	19	30	23	19	23	19	10	29	22	17	28	22	17	20	17
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<div>Comparative yearly lighting energy cost per 1000 lumens – \$4.90 based on 3000 hrs. and \$.08 pwr KWH.</div> <div>The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.</div>		30	875	913	946																																																																																																																																								
		35	820	875	910																																																																																																																																								
		40	759	824	878																																																																																																																																								
		45	687	768	878																																																																																																																																								
		50	612	712	823																																																																																																																																								
		55	536	681	742																																																																																																																																								
		60	454	611	623																																																																																																																																								
		65	375	511	482																																																																																																																																								
		70	290	380	311																																																																																																																																								
		75	207	226	193																																																																																																																																								
		80	128	111	111																																																																																																																																								
		85	56	52	45																																																																																																																																								

Ariosio Recessed Perf (SPMW) 2x4 3 Lamp T8

Efficiency – 52.0%

LER – 45

TER – 39

		Candlepower				Light Distribution				Average Luminance																																																																																																																																			
Catalog No.	2AVG332-SPMW-1/3-EB	Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross																																																																																																																																
Test No.	26748	0	1460	1460	1460	0-30	1151	13.5	25.8	45	1821	2009	2133																																																																																																																																
S/MH	1.3	5	1462	1456	1445	0-40	1904	22.3	42.8	55	1727	2041	2182																																																																																																																																
Lamp Type	F32T8	10	1441	1439	1433	0-60	3472	40.6	78.0	65	1611	2025	1999																																																																																																																																
Lumens/Lamp	2850	15	1408	1413	1414	0-90	4452	52.1	100.0	75	1456	1508	1310																																																																																																																																
Ballast Factor	0.88	20	1361	1375	1386					85	1142	973	880																																																																																																																																
Input Watts	87	25	1301	1327	1351	<div>Coefficients of Utilization</div> <div>EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)</div> <table><tr><td>pcc</td><td colspan="3">80</td><td colspan="3">70</td><td colspan="3">50</td></tr><tr><td>pw</td><td>70</td><td>50</td><td>30</td><td>70</td><td>50</td><td>30</td><td>50</td><td>30</td></tr><tr><td>RCR</td><td colspan="3"></td><td colspan="3"></td><td colspan="3"></td></tr><tr><td>0</td><td>61</td><td>61</td><td>61</td><td>60</td><td>60</td><td>60</td><td>57</td><td>57</td></tr><tr><td>1</td><td>56</td><td>54</td><td>52</td><td>55</td><td>53</td><td>51</td><td>51</td><td>48</td></tr><tr><td>2</td><td>51</td><td>46</td><td>42</td><td>50</td><td>46</td><td>42</td><td>44</td><td>40</td></tr><tr><td>3</td><td>46</td><td>40</td><td>36</td><td>45</td><td>40</td><td>35</td><td>39</td><td>34</td></tr><tr><td>4</td><td>42</td><td>35</td><td>32</td><td>40</td><td>35</td><td>30</td><td>34</td><td>29</td></tr><tr><td>5</td><td>39</td><td>32</td><td>27</td><td>38</td><td>32</td><td>27</td><td>30</td><td>27</td></tr><tr><td>6</td><td>35</td><td>28</td><td>23</td><td>34</td><td>28</td><td>23</td><td>28</td><td>23</td></tr><tr><td>7</td><td>33</td><td>26</td><td>22</td><td>32</td><td>26</td><td>20</td><td>25</td><td>20</td></tr><tr><td>8</td><td>30</td><td>23</td><td>19</td><td>29</td><td>23</td><td>19</td><td>23</td><td>19</td></tr><tr><td>9</td><td>28</td><td>22</td><td>17</td><td>28</td><td>22</td><td>17</td><td>20</td><td>17</td></tr><tr><td>10</td><td>27</td><td>20</td><td>16</td><td>26</td><td>20</td><td>16</td><td>19</td><td>16</td></tr></table>								pcc	80			70			50			pw	70	50	30	70	50	30	50	30	RCR										0	61	61	61	60	60	60	57	57	1	56	54	52	55	53	51	51	48	2	51	46	42	50	46	42	44	40	3	46	40	36	45	40	35	39	34	4	42	35	32	40	35	30	34	29	5	39	32	27	38	32	27	30	27	6	35	28	23	34	28	23	28	23	7	33	26	22	32	26	20	25	20	8	30	23	19	29	23	19	23	19	9	28	22	17	28	22	17	20	17	10	27	20	16	26	20	16	19	16
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<div>Comparative yearly lighting energy cost per 1000 lumens – \$5.33 based on 3000 hrs. and \$.08 pwr KWH.</div> <div>The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.</div>		30	1232	1272	1309																																																																																																																																								
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		55	736	870	930																																																																																																																																								
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Philips Lighting
North America Corporation
200 Franklin Square Drive
Somerset, NJ 08873
Phone: 855-486-2216

Philips Lighting Company
281 Hillmount Road
Markham ON, Canada L6C 2S3
Phone: 800-668-9008