

ARIEL AF

LIGHT SOURCE

LED quantity	1	
Power max	9 W – 13 W	
Total lumen output (3000K CRI>90)	9W: 14° - 660 lm 18° - 712 lm 24° - 685 lm 33° - 618 lm 52° - 683 lm	13W: 14° - 813 lm 18° - 901 lm 24° - 860 lm 33° - 769 lm 52° - 844 lm
Efficacy lm/W (3000K CRI>90)	9W: 14° - 73 lm/W 18° - 79 lm/W 24° - 76 lm/W 33° - 68 lm/W 52° - 76 lm/W	13W: 14° - 62 lm/W 18° - 69 lm/W 24° - 66 lm/W 33° - 59 lm/W 52° - 65 lm/W
CRI	>80 - >90 - >95	
LED Temperature	2200K CRI>90-2400K CRI>90 -2700K CRI>90 -2700K CRI>95 3000K CRI>80 - 3000K CRI>90 – 3000K CRI>95 3500K CRI>90- 3500K CRI>95 - 4000K CRI>90	
Average operational life	50.000 hours	

OPTIC

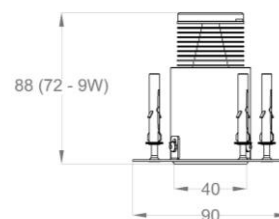
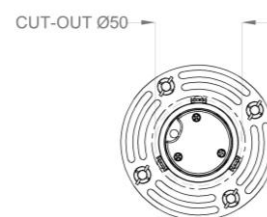
Material	PMMA
Available optics	14° - 18° - 24° - 33° - 52°
Beam direction	Fixed
Flux symmetry	Symmetrical

FIXTURE

Material	Aluminum
Available body finishes	Powder coated: S - Warm white (RAL 9010) 7 - White (RAL 9003) A6 - Gray white (RAL 9002) C - Gothic cement (RAL 7033) G3 - Gray (RAL 7012) G7 - Beige Gray (RAL 7006) M8 - Brown (RAL 8019) H - Black (RAL 9005)
Available decorative ring finishes	Chrome plated: 1 - Gold chrome 1 - Shiny chrome 8 - Satin gold Nickel plated: N - Satin nickel Hard coat anodized: 4 - Black
IP Rate	IP40
Working Temperature	-20° ÷ +40°
Integrated fixing Systems	-

ELECTRICAL FEATURES

Driver	Remote
Dimmable	Push, 1-10, DALI
Connection	In series at 500mA – 700mA
Class	III



Decorative Rings



MECHANICAL FEATURES

Dimensions	Ø90 x 72-88 mm (within frame)
Weight	220 gr
Installation	Wall, ceiling recessed
Cut-out	Ø50 mm
Use	Indoor

ACCESSORIES

Interchangeable lenses	18°, 24°, 33°, 52°
Filters	Hex louver, elliptical filter, prismatic filter, softening lens
Decorative rings	Gold chrome, shiny chrome, satin gold, satin nickel, black
Visors	-
Box/ Frame	Frame (A00861.30)
Installation tool	Hole saw (A00832.H0)

PHOTOMETRIC DATA

<p>14° Lens – 13W</p>																																																																																																																					
<table border="1"> <thead> <tr> <th>H(m)</th> <th>D(m)</th> <th>E_{max}(lx)</th> <th>E_{av}(lx)</th> </tr> </thead> <tbody> <tr> <td colspan="4">14°</td> </tr> <tr> <td><u>1.00</u></td> <td>0.25</td> <td>8464</td> <td>5271</td> </tr> <tr> <td><u>2.00</u></td> <td>0.50</td> <td>2116</td> <td>1318</td> </tr> <tr> <td><u>3.00</u></td> <td>0.75</td> <td>940</td> <td>586</td> </tr> <tr> <td><u>4.00</u></td> <td>1.00</td> <td>529</td> <td>329</td> </tr> <tr> <td><u>5.00</u></td> <td>1.25</td> <td>339</td> <td>211</td> </tr> </tbody> </table>				H(m)	D(m)	E _{max} (lx)	E _{av} (lx)	14°				<u>1.00</u>	0.25	8464	5271	<u>2.00</u>	0.50	2116	1318	<u>3.00</u>	0.75	940	586	<u>4.00</u>	1.00	529	329	<u>5.00</u>	1.25	339	211																																																																																						
H(m)	D(m)	E _{max} (lx)	E _{av} (lx)																																																																																																																		
14°																																																																																																																					
<u>1.00</u>	0.25	8464	5271																																																																																																																		
<u>2.00</u>	0.50	2116	1318																																																																																																																		
<u>3.00</u>	0.75	940	586																																																																																																																		
<u>4.00</u>	1.00	529	329																																																																																																																		
<u>5.00</u>	1.25	339	211																																																																																																																		
UGR = 10																																																																																																																					
<p>18° Lens – 13W</p>	<p>24° Lens – 13W</p>	<p>33° Lens – 13W</p>	<p>52° Lens – 13W</p>																																																																																																																		
<table border="1"> <thead> <tr> <th>H(m)</th> <th>D(m)</th> <th>E_{max}(lx)</th> <th>E_{av}(lx)</th> </tr> </thead> <tbody> <tr> <td colspan="4">18°</td> </tr> <tr> <td><u>1.00</u></td> <td>0.32</td> <td>6145</td> <td>3890</td> </tr> <tr> <td><u>2.00</u></td> <td>0.65</td> <td>1536</td> <td>972</td> </tr> <tr> <td><u>3.00</u></td> <td>0.97</td> <td>683</td> <td>432</td> </tr> <tr> <td><u>4.00</u></td> <td>1.30</td> <td>384</td> <td>243</td> </tr> <tr> <td><u>5.00</u></td> <td>1.62</td> <td>246</td> <td>156</td> </tr> </tbody> </table>	H(m)	D(m)	E _{max} (lx)	E _{av} (lx)	18°				<u>1.00</u>	0.32	6145	3890	<u>2.00</u>	0.65	1536	972	<u>3.00</u>	0.97	683	432	<u>4.00</u>	1.30	384	243	<u>5.00</u>	1.62	246	156	<table border="1"> <thead> <tr> <th>H(m)</th> <th>D(m)</th> <th>E_{max}(lx)</th> <th>E_{av}(lx)</th> </tr> </thead> <tbody> <tr> <td colspan="4">24°</td> </tr> <tr> <td><u>1.00</u></td> <td>0.42</td> <td>3893</td> <td>2406</td> </tr> <tr> <td><u>2.00</u></td> <td>0.84</td> <td>973</td> <td>602</td> </tr> <tr> <td><u>3.00</u></td> <td>1.25</td> <td>433</td> <td>267</td> </tr> <tr> <td><u>4.00</u></td> <td>1.67</td> <td>243</td> <td>150</td> </tr> <tr> <td><u>5.00</u></td> <td>2.09</td> <td>156</td> <td>96</td> </tr> </tbody> </table>	H(m)	D(m)	E _{max} (lx)	E _{av} (lx)	24°				<u>1.00</u>	0.42	3893	2406	<u>2.00</u>	0.84	973	602	<u>3.00</u>	1.25	433	267	<u>4.00</u>	1.67	243	150	<u>5.00</u>	2.09	156	96	<table border="1"> <thead> <tr> <th>H(m)</th> <th>D(m)</th> <th>E_{max}(lx)</th> <th>E_{av}(lx)</th> </tr> </thead> <tbody> <tr> <td colspan="4">33°</td> </tr> <tr> <td><u>1.00</u></td> <td>0.60</td> <td>2011</td> <td>1228</td> </tr> <tr> <td><u>2.00</u></td> <td>1.21</td> <td>503</td> <td>307</td> </tr> <tr> <td><u>3.00</u></td> <td>1.81</td> <td>223</td> <td>136</td> </tr> <tr> <td><u>4.00</u></td> <td>2.41</td> <td>126</td> <td>77</td> </tr> <tr> <td><u>5.00</u></td> <td>3.02</td> <td>80</td> <td>49</td> </tr> </tbody> </table>	H(m)	D(m)	E _{max} (lx)	E _{av} (lx)	33°				<u>1.00</u>	0.60	2011	1228	<u>2.00</u>	1.21	503	307	<u>3.00</u>	1.81	223	136	<u>4.00</u>	2.41	126	77	<u>5.00</u>	3.02	80	49	<table border="1"> <thead> <tr> <th>H(m)</th> <th>D(m)</th> <th>E_{max}(lx)</th> <th>E_{av}(lx)</th> </tr> </thead> <tbody> <tr> <td colspan="4">52°</td> </tr> <tr> <td><u>1.00</u></td> <td>0.97</td> <td>1207</td> <td>680</td> </tr> <tr> <td><u>2.00</u></td> <td>1.93</td> <td>302</td> <td>170</td> </tr> <tr> <td><u>3.00</u></td> <td>2.90</td> <td>134</td> <td>76</td> </tr> <tr> <td><u>4.00</u></td> <td>3.87</td> <td>75</td> <td>43</td> </tr> <tr> <td><u>5.00</u></td> <td>4.84</td> <td>48</td> <td>27</td> </tr> </tbody> </table>	H(m)	D(m)	E _{max} (lx)	E _{av} (lx)	52°				<u>1.00</u>	0.97	1207	680	<u>2.00</u>	1.93	302	170	<u>3.00</u>	2.90	134	76	<u>4.00</u>	3.87	75	43	<u>5.00</u>	4.84	48	27		
H(m)	D(m)	E _{max} (lx)	E _{av} (lx)																																																																																																																		
18°																																																																																																																					
<u>1.00</u>	0.32	6145	3890																																																																																																																		
<u>2.00</u>	0.65	1536	972																																																																																																																		
<u>3.00</u>	0.97	683	432																																																																																																																		
<u>4.00</u>	1.30	384	243																																																																																																																		
<u>5.00</u>	1.62	246	156																																																																																																																		
H(m)	D(m)	E _{max} (lx)	E _{av} (lx)																																																																																																																		
24°																																																																																																																					
<u>1.00</u>	0.42	3893	2406																																																																																																																		
<u>2.00</u>	0.84	973	602																																																																																																																		
<u>3.00</u>	1.25	433	267																																																																																																																		
<u>4.00</u>	1.67	243	150																																																																																																																		
<u>5.00</u>	2.09	156	96																																																																																																																		
H(m)	D(m)	E _{max} (lx)	E _{av} (lx)																																																																																																																		
33°																																																																																																																					
<u>1.00</u>	0.60	2011	1228																																																																																																																		
<u>2.00</u>	1.21	503	307																																																																																																																		
<u>3.00</u>	1.81	223	136																																																																																																																		
<u>4.00</u>	2.41	126	77																																																																																																																		
<u>5.00</u>	3.02	80	49																																																																																																																		
H(m)	D(m)	E _{max} (lx)	E _{av} (lx)																																																																																																																		
52°																																																																																																																					
<u>1.00</u>	0.97	1207	680																																																																																																																		
<u>2.00</u>	1.93	302	170																																																																																																																		
<u>3.00</u>	2.90	134	76																																																																																																																		
<u>4.00</u>	3.87	75	43																																																																																																																		
<u>5.00</u>	4.84	48	27																																																																																																																		
UGR = 13	UGR = 15	UGR = 17	UGR = 21																																																																																																																		

NOTES

14° lens not interchangeable.

Frame (A00861.30) is necessary for installing the fixture correctly: *Please specify always 1 frame for each Ariel AF in the purchase order.*

Hole saw (A00832.H0) available for easier installation.
