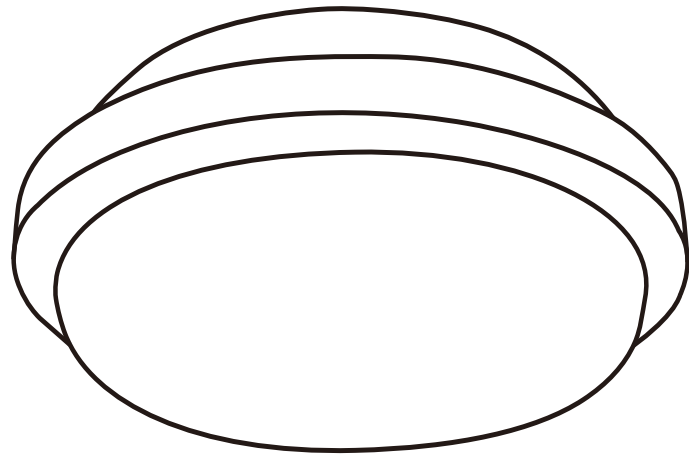


HYUNDAI

L I G H T I N G




Ceiling Light

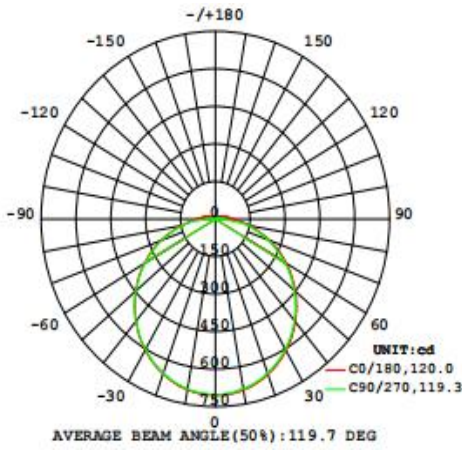
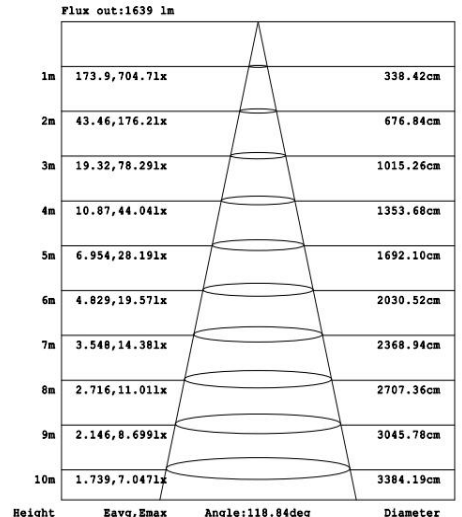
20W

4000k

Technical Datasheet

Item code	HYD-O1	
A、 Appearance Description		
	Component Name	Material Technics
	base	PC
	Diffuser	PC
	Hanging board	Iron
B、 Structure		
Item code	HYD-O1-20W	
Weight	466g	
Dimension(mm)	220*67mm	
Cutout(mm)	N/A	
Driver	Detachable Isolated Driver	
External Wire Diameter, Insulation Material And Temperature Resistance	0.5/PVC	
Protection Grade	IP65	
Installation Method	Surface	
C、 Product Certificate		
Standards	■ IEC60598 Series	■ ROHS
	■ IEC61347 Series	■ SASO 2902
	■ IEC62031 Series	

D、 Power Driver Data	
Supply Voltage (V)	110-240V
Supply Frequency (Hz)	50-60Hz
Supply Current (mA)	0.09A
Power Consumption (W)	20W
Power Factor	>0.9
THD (%)	<20%
Flickering	Flickering
LED Driver Current (mA)	330mA
LED Driver Voltage (V)	60V
LED Driver Efficiency (%)	≥88%
Work Temperature (°C)	-10-45°C
Storage Temperature (°C)	-25-60°C
E、 Light Source Date	
LED Model	SMD
LED Qty.(pcs)	60
LM80 Report	YES
F、 Electronic Data	
Luminous Flux ±10% (lm)	2300
Max Luminous Intensity (cd)	704.7
Beam Angle (°)	119.7
Luminous Efficacy (lm/W)	115
SDCM	<5
CRI	>80
Dominant Wavelength (nm)	4000K: 578.1

Light Radiation Grade																																		
Chromaticity Coordinate	<input checked="" type="checkbox"/> CIE <input type="checkbox"/> ANSI <input type="checkbox"/> JIS																																	
Color Temperature	3000K / 4000K / 6500K																																	
Lumen Maintenance(%)																																		
Life (h)	50000																																	
Number of Switching Cycles (Times)	25000																																	
Starting Time (s)	<0.55																																	
Light Distribution Curve	 <p>A circular light distribution curve (LDC) diagram. The vertical axis is labeled from -180 to 180 in increments of 30. The horizontal axis is labeled from -90 to 90 in increments of 30. Concentric circles represent beam diameter in centimeters, with labels at 150, 300, 450, 600, and 750. Two curves are plotted: a red curve for C0/180, 120.0 and a green curve for C90/270, 119.3. The text 'AVERAGE BEAM ANGLE(50%): 119.7 DEG' is at the bottom. A legend indicates 'UNIT:ed' with 'C0/180, 120.0' in red and 'C90/270, 119.3' in green.</p>																																	
Light Distribution Curve	 <p>A diagram showing a conical beam of light with a table of beam dimensions at various heights. The total flux is 1639 lm. The beam angle is 118.84 degrees. The table below provides the average beam diameter (Eavg) and maximum beam diameter (Emax) at heights from 1m to 10m.</p> <table border="1" data-bbox="861 1254 1276 1747"> <thead> <tr> <th>Height</th> <th>Eavg, Emax</th> <th>Diameter</th> </tr> </thead> <tbody> <tr> <td>1m</td> <td>173.9, 704.71x</td> <td>338.42cm</td> </tr> <tr> <td>2m</td> <td>43.46, 176.21x</td> <td>676.84cm</td> </tr> <tr> <td>3m</td> <td>19.32, 78.291x</td> <td>1015.26cm</td> </tr> <tr> <td>4m</td> <td>10.87, 44.041x</td> <td>1353.68cm</td> </tr> <tr> <td>5m</td> <td>6.954, 28.191x</td> <td>1692.10cm</td> </tr> <tr> <td>6m</td> <td>4.829, 19.571x</td> <td>2030.52cm</td> </tr> <tr> <td>7m</td> <td>3.548, 14.381x</td> <td>2368.94cm</td> </tr> <tr> <td>8m</td> <td>2.716, 11.011x</td> <td>2707.36cm</td> </tr> <tr> <td>9m</td> <td>2.146, 8.6991x</td> <td>3045.78cm</td> </tr> <tr> <td>10m</td> <td>1.739, 7.0471x</td> <td>3384.19cm</td> </tr> </tbody> </table>	Height	Eavg, Emax	Diameter	1m	173.9, 704.71x	338.42cm	2m	43.46, 176.21x	676.84cm	3m	19.32, 78.291x	1015.26cm	4m	10.87, 44.041x	1353.68cm	5m	6.954, 28.191x	1692.10cm	6m	4.829, 19.571x	2030.52cm	7m	3.548, 14.381x	2368.94cm	8m	2.716, 11.011x	2707.36cm	9m	2.146, 8.6991x	3045.78cm	10m	1.739, 7.0471x	3384.19cm
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