TERALUX
Light Emitting Diode Technology “M²D”
High output LED light & Power control system

GEAR-5100(H)

Bracket (optional accessories)

SPECIFICATION

<table>
<thead>
<tr>
<th>Input Voltage</th>
<th>AC90~265V</th>
<th>Luminous Flux (lm)</th>
<th>28,100 lm※</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency</td>
<td>50Hz/60Hz</td>
<td>Color Temperature (K)</td>
<td>5000K</td>
</tr>
<tr>
<td>Power consumption</td>
<td>198W</td>
<td>Color-Rendering Index (Ra)</td>
<td>&gt;70</td>
</tr>
<tr>
<td>Power Factor</td>
<td>&gt;0.98/100V &gt;0.95/230V</td>
<td>Beam angle (1/2)</td>
<td>100°</td>
</tr>
<tr>
<td>Power efficiency %</td>
<td>&gt;93.5%</td>
<td>Operation Environment Temperature</td>
<td><del>45</del>+50°C</td>
</tr>
<tr>
<td>LED Efficiency</td>
<td>142 lm/W</td>
<td>Using Time</td>
<td>60,000 hour over (Ta=40°C)</td>
</tr>
<tr>
<td>Weight</td>
<td>4.5Kg</td>
<td>Guaranteed Term</td>
<td>3 years</td>
</tr>
</tbody>
</table>

※1 Hour Measurement after Aging
■We will propose specifications that meet your needs. Please feel free to contact us.
GEAR-5100(H) LED High Bay Light

High output LED light “TERALUX” is much brighter and more efficient than the HID light (Mercury lamp, Metal halide lamp, Sodium vapor lamp, etc.) due to applying high efficient power LED and M²D unit.

The typical use for Gymnasium Factory Warehouse Shopping mall, etc.

APPEARANCE

M²D Unit Technology

PAT

PERFORMANCE COMPARISON

Mercury lamp 700W type

Targets Illuminance 816Lx

GEAR-5100(H) LED Light

Horizontal Illuminance

Illuminance Average
Mercury lamp number
816Lx
30dev.

Power consumption
Total power consumption
700W
21,000W

Setting condition
Mounting Height 8m
Working Height 0m
Reflectance Ceiling 30%
Wall 30%
Floor 10%

GEAR-5100(H) number
916Lx
30dev.

Power consumption
Total power consumption
198W
5,940W

Gymnasium Factory Warehouse Shopping mall, etc.

■ A part of the specification is occasionally changed without a previous notice for the product improvement.
■ Please notice a knowledge tone of commodity different print beforehand.

The content of this catalog is September, 2016.