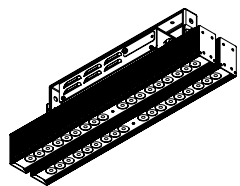


# LL HLBS M165-18-60W

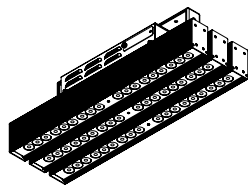
PRODUCT SHEET



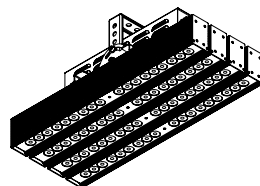
## Product variants



LL HLBS O265-36-120W  
LL HLBS M265-36-80W  
LL HLBS M265-36-120W



LL HLBS O365-54-180W  
LL HLBS M365-54-180W



LL HLBS R465-72-240W

## Industry & Engineering

LL HLBS is a sophisticated highpower LED luminaire especially designed for large arena lighting like sport halls and industry. Versatility is given by the wide variety of optics and light colors.

### Features

- LED technology
- High quality rendering, CRI > 80
- Wide variety of optics
- High energy savings and fast return of investment

### Application

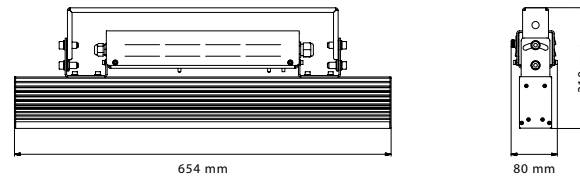
- Industry halls
- Warehouses
- Commercial and public halls
- Shopping centers
- Bus stations, railway stations and airport halls
- Sport halls and arenas



## TECHNICAL SPECIFICATION

<b>Electrical data</b>	
Input voltage	90–264 V AC, 47–63 Hz, 127–370 V DC
Power	60 W
Max. inrush current	cold start 55 A ( $t_{width} = 270 \mu s, 50\% I_{peak}$ ), 230 V AC
Driver	Included
<b>Light source</b>	
Light source	18 x LED
Exchangeable	no
<b>Photometrical data</b>	
Optic	Standard: 58 ° Optional: 13 °, 18 °, 30 °, 38 °, 110 ° EL 12 x 46 °
CCT	Standard: 4.000 K Optional: 3.000 K, 5.600 K
CRI	Standard: 80 Optional: 75, 90
<b>Light technical data</b>	
Lifespan	75.000 hours
<b>Operation conditions</b>	
Control	Standard: On / Off Optional: DMX, IQRF, wireless DMX, CLO
IP rating	Standard: IP20 Optional: IP67
Operation temperature	Standard: -30 ° C to +40 ° C Optional: +50 ° C
Cooling	Conventional
<b>Product data</b>	
Color	Standard: Natural Optional: Black or RAL
Material	Anodized aluminium
<b>Packing information (preliminary info)</b>	
Dimension (box)	680 mm x 120 mm x 200 mm
Weight	6,50 kg

## TECHNICAL DRAWING



## OPTIONAL ELECTRONIC MODULE

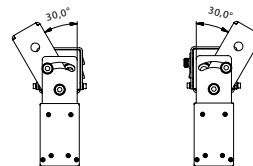
LL ECO DMX DRIVER:	additional electronic module for DMX control of the luminaire
LL IQRF MODUL DRIVER:	additional electronic module for wireless control
LL DMX DRIVER 8-1A:	additional electronic module for DMX control of the luminaire
LL CLO MODUL:	additional electronic module, which ensures constant light flux during the whole lifetime of the luminaire and 10 % extra energy saving
LL IQRF DMX RECEIVER:	additional electronic module for wireless DMX transfer

## ORDER CODES

LL HLBS M165-18-60W-015-40K-C80-I20-NA  
 LL HLBS M165-18-60W-020-40K-C80-I20-NA  
 LL HLBS M165-18-60W-030-40K-C80-I20-NA  
 LL HLBS M165-18-60W-040-40K-C80-I20-NA

LL HLBS M165-18-60W-060-40K-C80-I20-NA  
 LL HLBS M165-18-60W-110-40K-C80-I20-NA  
 LL HLBS M165-18-60W-EL1445-40K-C80-I20-NA

## MOUNTING



## PHOTOMETRY

