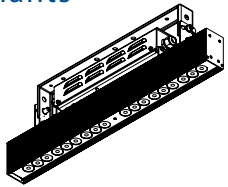


LL HLBS R465-72-240W

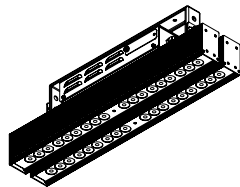
PRODUCT SHEET



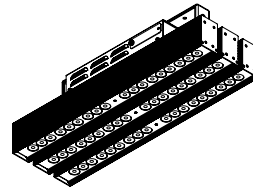
Product variants



LL HLBS O165-18-60W
LL HLBS M165-18-25W
LL HLBS M165-18-40W
LL HLBS M165-18-60W



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

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

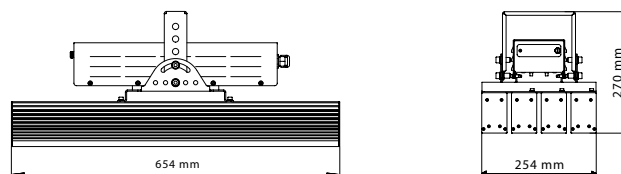
- Industry halls
- Warehouses
- Commercial and public halls
- Shopping centers
- Bus stations, railway stations and airport halls
- Sport halls and arenas



TECHNICAL SPECIFICATION

Electrical data	
Input voltage	90–264 V AC, 47–63 Hz, 127–370 V DC
Power	240 W
Max. inrush current	cold start 75 A ($t_{width} = 570 \mu s$, 50% I_{peak}), 230 V AC
Driver	Included
Light source	
Light source	72 x LED
Exchangeable	no
Photometrical data	
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
Light technical data	
Lifespan	75.000 hours
Operation conditions	
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
Product data	
Color	Standard: Natural Optional: Black or RAL
Material	Anodized aluminium
Packing information (preliminary info)	
Dimension (box)	680 mm x 260 mm x 220 mm
Weight	19,50 kg

TECHNICAL DRAWING



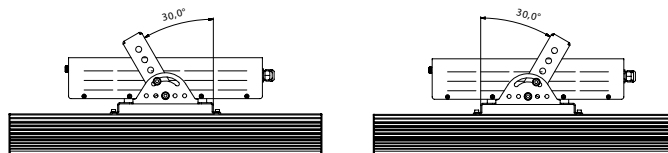
OPTIONAL ELECTRONIC MODULE

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

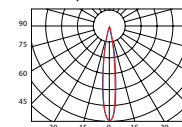
LL HLBS R465-72-240W-015-40K-C80-I20-NA	LL HLBS R465-72-240W-060-40K-C80-I20-NA
LL HLBS R465-72-240W-020-40K-C80-I20-NA	LL HLBS R465-72-240W-110-40K-C80-I20-NA
LL HLBS R465-72-240W-030-40K-C80-I20-NA	LL HLBS R465-72-240W-EL1445-40K-C80-I20-NA
LL HLBS R465-72-240W-040-40K-C80-I20-NA	

MOUNTING

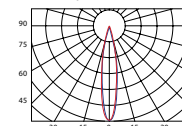


PHOTOMETRY

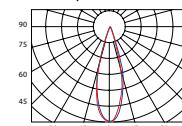
015 Optic



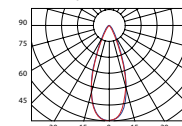
020 Optic



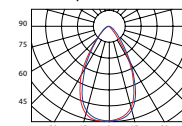
030 Optic



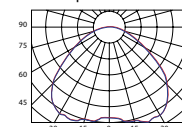
040 Optic



060 Optic



110 Optic



■ -0 ° H ■ -90 ° H