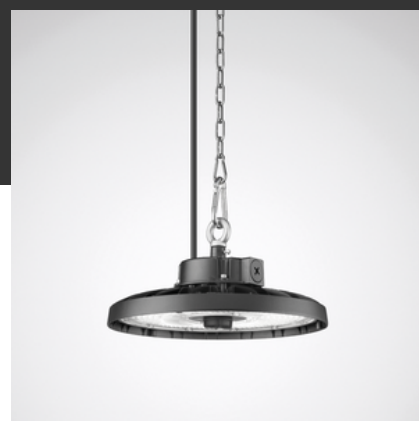
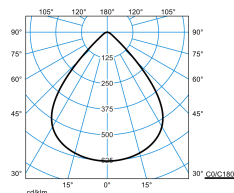
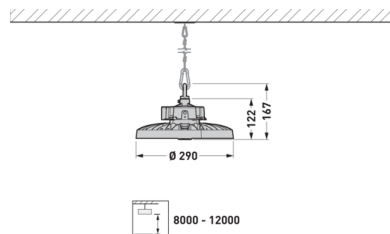


# 2380 G4 LW 12-20/3ML-8MC ET

## LED highbay luminaire

TOC: 9828440



## Product description

### Luminaire type

Round wide-area LED high bay luminaire for suspended mounting.

### Light management

With adapter for quick fastening of an optional HF presence sensor available as a separate accessory. Function parameters of the HF motion sensor are set with the IR remote control optionally available as an accessory.

### Applications

High rooms, Halls, Warehouses, Manufacturing halls, damp rooms, Trade fair and exhibition halls. With limited surface temperature, suitable for use in fire hazardous areas according to DIN EN 60598-2-24.

### Mounting methods

For suspended mounting as single luminaire. Single point suspension to centrally integrated fixing hooks. Mounting accessory must be ordered separately.

### Optical system

Optical system with PC lens optic. Each LED module has own optical unit.. With symmetric wide light intensity distribution.

### LED system

Luminaire luminous flux and light color adjustable in 6 levels (Multilumen, Multicolour). Luminaire luminous flux 11500 lm - 20000 lm, connected load 67 W - 125 W, Power Faktor  $\lambda > 0,9$ , maximum luminous efficiency of luminaire 172 lm/W. Light colour neutral white or daylight white, correlated colour temperature (CCT) 4000 K or 6500 K, general colour rendering index (CRI)  $R_a > 80$ . Colour locus tolerance (initial MacAdam)  $\leq 5$  SDCM. The light source is replaceable according to the ecodesign requirements (VO (EU) 2019/2020).

### Luminaire body

Luminaire body of die-cast aluminium. Surface coated black (similar to RAL 9005). Luminaire height 167 mm, Luminaire diameter 290 mm. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP65, impact resistance level in accordance with IEC 62262: IK08, testing temperature of wire glow test in accordance with IEC 60695-2-11: 650 °C. Permissible ambient temperature (ta): 50 °C . Weight: 3,5 kg.

### Electrical version

With electronic control gear unit, switchable. The control gear unit is replaceable in accordance with the ecodesign requirements (VO (EU) 2019/2020). The luminaire complies with the fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol. The luminaire is also ENEC-certified by an independent testing authority.

## Product features and key data

<b>Applications</b>	Trade fair halls Multi-purpose halls Exhibition rooms Production halls with low levels of soiling  Assembly halls High halls	
<b>Luminaire type</b>	Round wide-area LED high bay luminaire for suspended mounting.	
<b>Mounting method</b>	Suspension	
<b>Luminaire optic</b>	Optical system with PC lens optic. Each LED module has own optical unit..	
<b>Light distribution curve</b>	Wide (W)	
<b>FWHM</b>	82,40 °	
<b>Light Engine</b>	Level 1	Level 6
<b>Colour temperature</b>	4000 K	6500 K
<b>Rated luminous flux</b>	11500 lm	20000 lm
<b>Connected load</b>	67,00 W	125,00 W

## Product features and key data

Luminous efficacy	172 lm/W	160 lm/W
Colour rendering index	80	
Colour tolerance	5 SDCM	
Photobiological class	Group 0 - no risk	
Luminaire colour	RAL9005 Jet black	
Luminaire body	Luminaire body of die-cast aluminium.	
Electrical version	With electronic control gear unit, switchable.	
Wire diameter	1,50 mm <sup>2</sup>	
Connection method	Connection cable	
Mains voltage	220 - 240 V	
Mains frequency	50/60 Hz	
Total harmonic distortion < %	14 %	
Ingress Protection (IP) rating	IP65	
Protection class	I	
Impact resistance (IK)	IK08	
Hot wire resistance	650 °C	
Ambient temperature	50 °C	
Max. Luminaires B10	10	
Max. Luminaires B16	16	
Max. Luminaires C10	10	
Max. Luminaires C16	16	
Net height	167 mm	
Outside diameter	290 mm	
Weight	3,5 kg	

## Available accessories

Material	Description
9828600	HF motion sensor für LED high-bay luminaires 2380 G4. Die Einstellung der Betriebsarten und Parameter erfolgt über eine separat zu bestellende Fernbedienung. Recommended installation height: 3 m - 12 m. Detection range depending on mounting height Ø 15 m - 18 m. Can be attached without tools.
9828700	IR remote control for setting the function parameters of the HF sensor. Suitable for the series 2380 G4.

## Light Engine Data

Light Engine	Color temperature	Rated light current	Power supply value Typ	Luminous efficacy
Level 1	4000 K	11500 lm	67,00 W	172 lm/W
Level 2	4000 K	15000 lm	89,00 W	169 lm/W
Level 3	4000 K	20000 lm	125,00 W	160 lm/W
Level 4	6500 K	11500 lm	67,00 W	172 lm/W

## Light Engine Data

Light Engine	Color temperature	Rated light current	Power supply value Type	Luminous efficacy
Level 5	6500 K	15000 lm	89,00 W	169 lm/W
Level 6	6500 K	20000 lm	125,00 W	160 lm/W

## EPREL - European Product Registry for Energy Labelling

Energy Efficiency Class	Model identifier
B	HB-27*6*2-20KLM

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