

# PRODUCT DATASHEET

## ENDURA Flood 20 W 4000 K DG

ENDURA® FLOOD Cool White | Outdoor luminaires in 4000K



### Areas of application

- Outdoor
- Replacement for floodlights with halogen lamps
- Garages
- Building facades

### Product benefits

- Quick and simple installation thanks to low profile, compact and light weight design
- Energy savings of up to 80 % compared to halogen lamp floodlights
- Semi-frosted, tempered glass cover for uniform illumination

### Product features

- Very bright and functional outdoor LED luminaires
- Symmetrical beam angle: 110° x 110°
- Mounting bracket for up to 180° tilting
- Type of protection: IP65
- Ambient temperature in operation: -20...+45 °C
- Connection via 1 m cable, wiring required



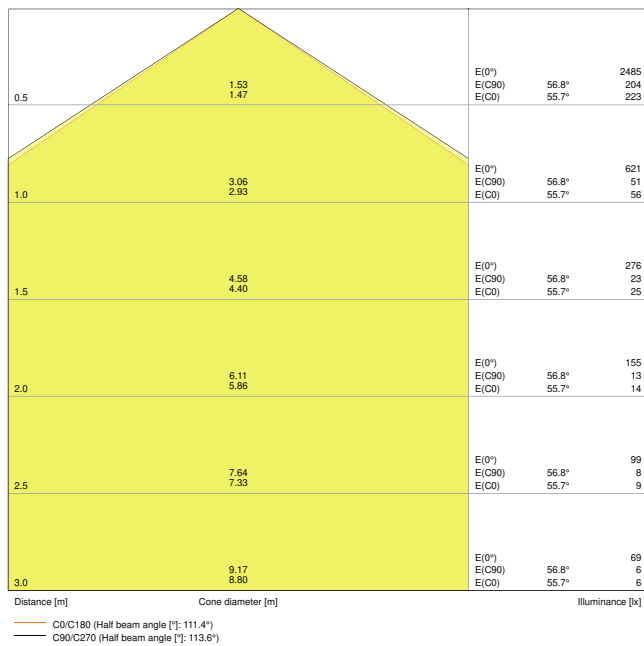
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**TECHNICAL DATA****Electrical data**

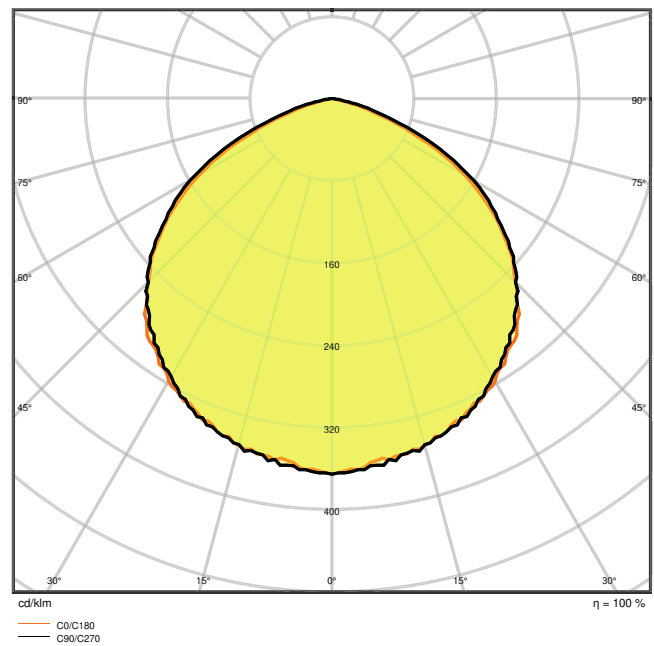
Nominal wattage	20.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	92.000 mA
Max. number of luminaires per miniature circuit breaker B16	139
Max. number of luminaires per miniature circuit breaker C16	139
Power factor $\lambda$	> 0.90
Total harmonic distortion	< 35 %
Protection class	I
Operating mode	ELECTRONIC CONTROL GEAR (ECG)

**Photometrical data**

Luminous flux	1700 lm
Luminous efficacy	85 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	$\geq 80$
Standard deviation of color matching	6 sdc <sub>m</sub>
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-
Photobiological safety group acc. to EN62778	RG1
Beam angle	120 °



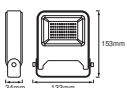
ENDURA FLOOD 20W 840 DG



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Dimensions & Weight

Length	153.00 mm
Width	133.00 mm
Height	34.00 mm
Product weight	405.00 g



ENDURA FLOOD 20W

Materials & Colors

Product color	Dark gray
Housing color	Dark gray
Body material	Aluminum
Cover material	Glass
Mercury content	0.0 mg

## Application & Mounting

Ambient temperature range	-20...+45 °C
Temperature range at storage	-30...+70 °C
Type of connection	Cable, 3-pole
Type of protection	IP65
Protection class IK (shock resistance)	IK06
Dimmable	No
Mounting type	Surface
Mounting location	Wall
Application environment	Outdoor
With light source	Yes

## Lifespan

Lifespan L70/B50 at 25 °C	30000 h <sup>1)</sup>
Number of switching cycles	15000

<sup>1)</sup> t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)



## Certificates & Standards








Standards	CE / EAC / UKCA
Luminaire with limited surface temperature, "D sign"	No
Replaceable light source (EPREL)	Not replaceable

## Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.
- Product in protection class I. All electrically conductive, metallic housing parts that can absorb voltage during operation or during maintenance in the event of a fault must be continuously connected to the protective earthing conductor.
- To reduce the risk of strangulation the flexible wiring connected to this luminaire shall be effectively fixed to the wall if the wiring is within arm's reach.

## DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	ENDURA FLOOD
	Legal information	OUTDOOR LUMINAIRES

Documents and certificates		Document name
	Declarations of conformity	CE Declaration Endura Floodlight
	Declarations of conformity UKCA	FLOODLIGHT
Photometric and lighting design files		Document name
	IES file (IES)	ENDURA FLOOD 20W 840 DG
	LDT file (Eulumdat)	ENDURA FLOOD 20W 840 DG
	UGR file (UGR table)	ENDURA FLOOD 20W 840 DG
	Light distribution curve type cone	ENDURA FLOOD 20W 840 DG
	Light distribution curve type polar	ENDURA FLOOD 20W 840 DG

### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075206687	Folding box 1	72 mm x 140 mm x 166 mm	442.00 g	1.67 dm <sup>3</sup>
4058075206694	Shipping box 12	290 mm x 225 mm x 345 mm	5649.00 g	22.51 dm <sup>3</sup>

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

### DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.