Horizon LED

LED

220-240 V 50-60 Hz | LED | IP23 | IP66 | IK07 | IK09

TECHNICAL PARAMETERS

Ingress protection:	IP66; IP23;
Impact resistance:	IK09; IK07;
Nominal power [W]:	72.00 - 206.00
Luminous flux [lm]*:	12250 - 49200
Colour temperature [K]:	4000;
Colour rendering index:	>80; 70;
SDCM:	≤ 3; ≤ 5;
Electrical protection class:	I;
Energy efficiency class:	A++;
Material of the body:	powder coated aluminium;
Diffuser material:	PC; tempered glass;
Beam angle [°]:	75; 55; 105;
Mounting version:	suspended;
Working temperature [°C]:	from -25 to +60; from -25 to +45; from -20 to +60; from -20 to +45
Dimensions [mm]:	106/371; 595/371;
Warranty [years]:	up to 5;

*Tolerance +/- 10%

CHARACTERISTICS

Horizon LED is a HIGH-BAY luminaire from the NEXT GEN product line, constituting a new generation of luminaires dedicated to LED technology. The designed- from-scratch body – made of die-cast aluminium and powder coated – uses natural conduction and convection processes, which have a positive effect on luminaire's heat management. The shape of the body with an integrated, effective heat sink and high-quality materials ensure maximum heat dissipation from the LED module. The driver's external compartment, separated from the body, guarantees optimal thermal working conditions for the power supply system. This enables the luminaire to work in an ambient temperature of max 60°C. LEDs from a reputable manufacturer and new LED modules enable very high luminous efficiency: max 176 lm/W. This guarantees that the required lighting level and significant energy savings are achieved. The diffuser and optical system are composed of precise linear lenses made of polycarbonate (PC). There are 3 dedicated ranges of light distribution available: 55°, 75°, 105°. GLASS version with tempered glass (without lenses) and 105° distribution is also available.

Standard equipped with a 0.3 m long H07RN-F cable terminated with an additional male and female connector, which makes the assembly easier and more convenient.

Its design is adapted for suspended mounting and surface mounting (ceiling and wall) requiring the use of additional accessories.

APPLICATION

The luminaire is intended for suspended mounting (using chains, wires, etc.) both indoors and outdoors. It will prove perfect for manufacturing plants and halls as well as large-format warehouses and logistics centres.

Horizon LED

LED

AVAILABLE TYPES

Horizon LED 72W

Nominal power [W]	Colour temperature [K]	Luminous flux [lm]*	Diffuser material	Beam angle [°]	DIMM DALI	Emergency lighting [h]	Operating mode	Autotest	Energy efficiency class	Working temperature [°C]	Index
72	4000	12500	tempered glass	105					A++	from -25 to +60	INT964916
72	4000	13300	PC	105					A++	from -20 to +60	INT964145
72	4000	13300	PC	105		3	M	yes	A++	from 0 to +25	INT964374
72	4000	12850	PC	55					A++	from -20 to +60	INT964169
72	4000	12850	PC	55		3	M	yes	A++	from 0 to +25	INT963889
72	4000	12850	PC	75					A++	from -20 to +60	INT964152
72	4000	12850	PC	75		3	M	yes	A++	from 0 to +25	INT964381
72	4000	12500	tempered glass	105	yes				A++	from -20 to +60	INT964961

Horizon LED 73W

Nominal power [W]	Colour temperature [K]	Luminous flux [lm]*	Diffuser material	Beam angle [°]	DIMM DALI	Emergency lighting [h]	Operating mode	Autotest	Energy efficiency class	Working temperature [°C]	Index
73	4000	12650	PC	105					A++	from -25 to +60	INT963957
73	4000	12250	PC	55					A++	from -25 to +60	INT963971
73	4000	12250	PC	75					A++	from -25 to +60	INT963964

Horizon LED 101W

Nominal power [W]	Colour temperature [K]	Luminous flux [lm]*	Diffuser material	Beam angle [°]	DIMM DALI	Emergency lighting [h]	Operating mode	Autotest	Energy efficiency class	Working temperature [°C]	Index
101	4000	17000	PC	105					A++	from -25 to +60	INT963896
101	4000	16450	PC	55					A++	from -25 to +60	INT963919
101	4000	16450	PC	75					A++	from -25 to +60	INT963902

Horizon LED 104W

Nominal power [W]	Colour temperature [K]	Luminous flux [lm]*	Diffuser material	Beam angle [°]	DIMM DALI	Emergency lighting [h]	Operating mode	Autotest	Energy efficiency class	Working temperature [°C]	Index
104	4000	17900	tempered glass	105					A++	from -25 to +60	INT964923
104	4000	19000	PC	105					A++	from -25 to +60	INT964060
104	4000	19000	PC	105		3	M	yes	A++	from 0 to +25	INT964336
104	4000	18300	PC	55					A++	from -25 to +60	INT964084

Horizon LED

LED

Nominal power [W]	Colour temperature [K]	Luminous flux [lm]*	Diffuser material	Beam angle [°]	DIMM DALI	Emergency lighting [h]	Operating mode	Autotest	Energy efficiency class	Working temperature [°C]	Index
104	4000	18300	PC	55		3	M	yes	A++	from 0 to +25	INT963865
104	4000	18300	PC	75					A++	from -25 to +60	INT964077
104	4000	18300	PC	75		3	M	yes	A++	from 0 to +25	INT964343
104	4000	19000	PC	105	yes				A++	from -20 to +60	INT964206
104	4000	17900	tempered glass	105	yes				A++	from -20 to +60	INT964978
104	4000	18300	PC	55	yes				A++	from -20 to +60	INT964220
104	4000	18300	PC	75	yes				A++	from -20 to +60	INT964213

Horizon LED 126W

Nominal power [W]	Colour temperature [K]	Luminous flux [lm]*	Diffuser material	Beam angle [°]	DIMM DALI	Emergency lighting [h]	Operating mode	Autotest	Energy efficiency class	Working temperature [°C]	Index
126	4000	21300	tempered glass	105					A++	from -25 to +60	INT964930
126	4000	22700	PC	105					A++	from -25 to +60	INT964039
126	4000	22700	PC	105		3	M	yes	A++	from 0 to +25	INT964312
126	4000	21950	PC	55					A++	from -25 to +60	INT964053
126	4000	21950	PC	55		3	M	yes	A++	from 0 to +25	INT963858
126	4000	21950	PC	75					A++	from -25 to +60	INT964046
126	4000	21950	PC	75		3	M	yes	A++	from 0 to +25	INT964329
126	4000	21300	tempered glass	105	yes				A++	from -20 to +60	INT964985

Horizon LED 141W

Nominal power [W]	Colour temperature [K]	Luminous flux [lm]*	Diffuser material	Beam angle [°]	DIMM DALI	Emergency lighting [h]	Operating mode	Autotest	Energy efficiency class	Working temperature [°C]	Index
141	4000	23000	PC	105					A++	from -25 to +60	INT963926
141	4000	22250	PC	55					A++	from -25 to +60	INT963940
141	4000	22250	PC	75					A++	from -25 to +60	INT963933

Horizon LED 146W

Nominal power [W]	Colour temperature [K]	Luminous flux [lm]*	Diffuser material	Beam angle [°]	DIMM DALI	Emergency lighting [h]	Operating mode	Autotest	Energy efficiency class	Working temperature [°C]	Index
146	4000	24800	tempered glass	105					A++	from -25 to +60	INT964947
146	4000	26400	PC	105					A++	from -25 to +60	INT964022
146	4000	26400	PC	105		3	M	yes	A++	from 0 to +25	INT964305

Horizon LED

LED

Nominal power [W]	Colour temperature [K]	Luminous flux [lm]*	Diffuser material	Beam angle [°]	DIMM DALI	Emergency lighting [h]	Operating mode	Autotest	Energy efficiency class	Working temperature [°C]	Index
146	4000	25500	PC	55					A++	from -25 to +60	INT964015
146	4000	25500	PC	55		3	M	yes	A++	from 0 to +25	INT963841
146	4000	25500	PC	75					A++	from -25 to +60	INT964008
146	4000	25500	PC	75		3	M	yes	A++	from 0 to +25	INT964299

Horizon LED 206W

Nominal power [W]	Colour temperature [K]	Luminous flux [lm]*	Diffuser material	Beam angle [°]	DIMM DALI	Emergency lighting [h]	Operating mode	Autotest	Energy efficiency class	Working temperature [°C]	Index
206	4000	33600	tempered glass	105					A++	from -25 to +45	INT964954
206	4000	35850	PC	105					A++	from -25 to +45	INT964114
206	4000	35850	PC	105		3	M	yes	A++	from 0 to +25	INT964367
206	4000	34650	PC	55					A++	from -25 to +45	INT964107
206	4000	34650	PC	55		3	M	yes	A++	from 0 to +25	INT963872
206	4000	34650	PC	75					A++	from -25 to +45	INT964091
206	4000	34650	PC	75		3	M	yes	A++	from 0 to +25	INT964350
206	4000	35850	PC	105	yes				A++	from -20 to +45	INT964190
206	4000	33600	tempered glass	105	yes				A++	from -20 to +45	INT964992
206	4000	34650	PC	55	yes				A++	from -20 to +45	INT964183
206	4000	34650	PC	75	yes				A++	from -20 to +45	INT964176

Horizon LED 294W

Nominal power [W]	Colour temperature [K]	Luminous flux [lm]*	Diffuser material	Beam angle [°]	DIMM DALI	Emergency lighting [h]	Operating mode	Autotest	Energy efficiency class	Working temperature [°C]	Index
294	4000	49200	PC	105					A++	from -25 to +35	INT963780
294	4000	47550	PC	55					A++	from -25 to +35	INT963773
294	4000	47550	PC	75					A++	from -25 to +35	INT963766

*Tolerance +/- 10%

Horizon LED

LED

ACCESSORIES

Name	Index
Horizon LED motion and dusk sensor	INT964244
Horizon LED - universal handle	INT964886
Horizon LED - surface mounting handle	INT964893
Horizon LED - protective grid	INT964862

Horizon LED motion and dusk sensor (INT964244)

Horizon LED - universal handle (INT964886)

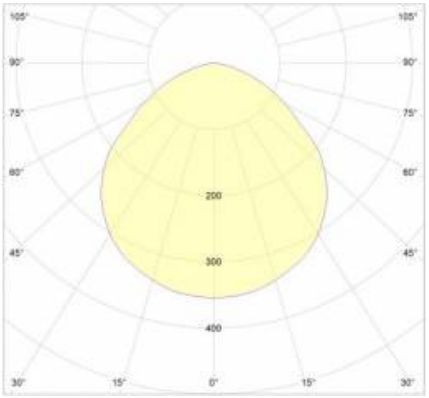
Horizon LED - surface mounting handle (INT964893)

Horizon LED - protective grid (INT964862)

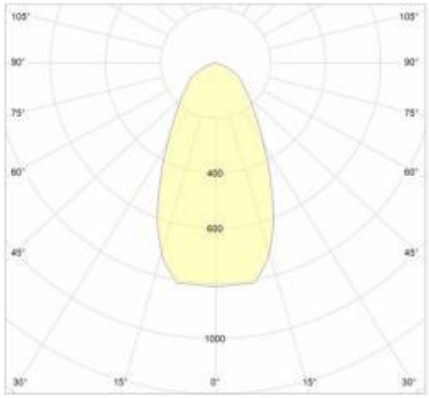
LED

LUMINOUS INTENSITY DISTRIB. CURVE

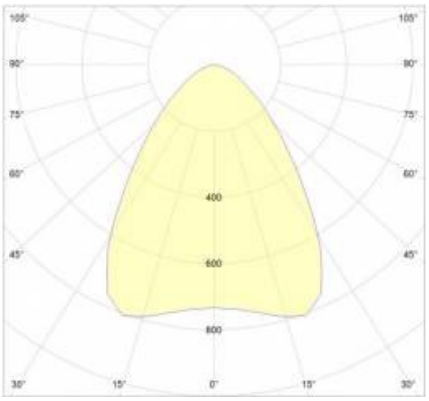
Horizon LED 105D



Horizon LED 55D



Horizon LED 75D



The company reserves the right to make design changes or upgrades in the presented product. Product data sheet does not constitute an offer.

Intelect Lighting

The luminaire complies with the EU ROHS Directive 2011/65/UE

This product is a subject to electric and electronic waste equipment regulations (WEEE).