



Empire R

RECESSED DOWNLIGHTS | NON-DALI EM SERIES

Empire R is a round recessed luminaire with three different diameters. Easy to install thanks to a clever mechanism. Provides the perfect combination of efficiency, light comfort, and design, without compromising on lighting performance. COB technology makes this line suitable for accent lighting and for special temperature colors. The housing comes in three color options- signal white, jet black and white aluminum – to fit all the particular environments.

Empire R recessed luminaires come in several series, with various add-on and controls:

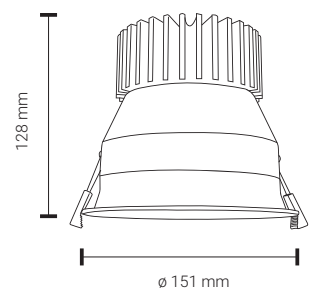
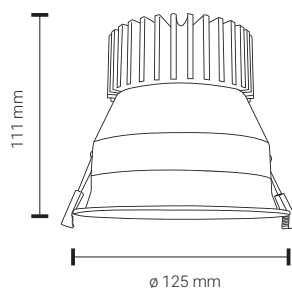
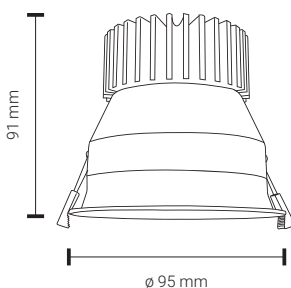
- Empire R Non-DALI – the standard for any project in the retail, health or hospitality sectors
- Empire R Non-DALI EM – with emergency lighting kit of 1h and 3 h
- Empire R DALI – with DALI controls for illumination adjustments
- Empire R DALI EM - with both dimming and emergency kit

APPLICATION

Grocery & Supermarkets | Retail | Office | Healthcare | Hospitality | DIY

FEATURES & BENEFITS

- CRI ≥ 80 as standard, up to 98 for specific special color temperatures
- 14 color temperatures, specialized options included
- Luminaire efficiency: 110lm/W @4000K
- Optics – three angles 25°, 45°, 50°
- Dimmable (only for DALI and DALI EM Series)
- With emergency kits of 1h and 3 h



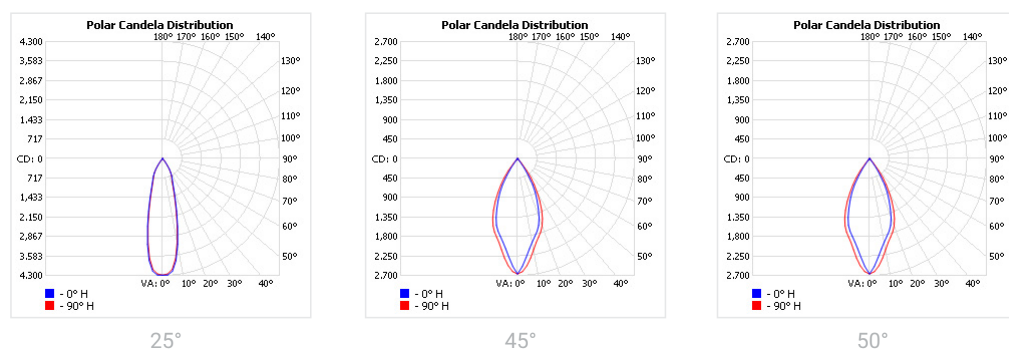
SPECIFICATIONS

Power consumption	12W, 14W, 17W, 20W	12W, 14W, 17W, 20W, 23W, 27W	12W, 14W, 17W, 20W, 23W, 27W
Dimensions	D95xH91xØ85mm±1mm	D125xH111xØ115mm±1mm	D151xH128xØ140mm±1mm
Weight	1 - 1.3 Kg	1.2 - 1.5 Kg	1.5 - 1.8 Kg
Housing materials	Aluminium, glass		
IK code	IK02		
THD (at 230V, 50Hz, Full load)	<20%		
Protection class	Safety class 1		
Operating temperature [°C]	+5°C ... +40°C / +41F ... +104F		
Operating humidity [%]	10 ÷ 85		
Power factor	≥0.95		
AC Input [Vac]	220 - 240 VAC		
Lens angle [°]	25°, 45°, 50°		
Lifespan [h]	50,000		
Housing color	○ RAL 9003 - Signal White, ● RAL 9005 - Jet Black, ● RAL 9006 - White Aluminium		
Lumen maintenance	L90/B10@50,000h at 25°C		
IP factor	IP20		
Control optional	-		
Warranty [years]	5		
Storage temperature range [°C]	+5°C ... +25°C / +41F ... +77F		
Emergency option	EM1H, EM3H		

#	Standard	Food	Fashion	AGI	ART
CRI	CRI80	CRI80	CRI95	CRI93	CRI98
CCT [K]	2700 / 3000 / 3500 / 4000	BVF / FBS / FZM / FSM / FSH	FAS	AGI 3000 / 3500 / 4000	3000
MacAdam	3	3 / 4 / 4 / 3 / 3	3	3	2

CRI - Color rendering, CCT - Color temperature, MacAdam - Color consistency

LIGHT DISTRIBUTION



TOLERANCES

Luminous flux tolerances: -/+ 5%

Consumption tolerance: -/+ 5% for Non-DALI | -/+ 10% for Non-DALI & KIT EM | -/+ 10% for DALI | -/+ 15% for DALI & KIT EM

BATTERY WARRANTY

Non-DALI EM & DALI EM: 12 months warranty

Non-DALI & DALI: -

MAXIMUM NO. OF LUMINAIRES ON A CIRCUIT

Luminaire Power(W)	Control type	Circuit Breaker Type					
		B			C		
		20	16	10	20	16	10
8-20W	Non-DALI	62	50	31	104	85	52
23-35W	Non-DALI	24	20	10	47	40	20
42W	Non-DALI	20	16	8	38	32	16
8-20W	DALI	62	50	31	104	85	52
23-27W	DALI	25	21	13	50	42	26
34-42W	DALI	17	14	9	34	28	18

RISK GROUP

Standard (CRI80)	RG1
FOOD (BVF, FBS, FSM)	RG1
FOOD ≤35W (FZM, FSH)	RG1
FOOD >35W (FZM, FSH)	RG2
FAS	RG1
AMB2200	RG1
ART	RG1
AGI	RG1
CRI90	RG1
CRI95	RG1
ENT	RG1

RG1

The evaluation of photobiological safety is carried out according to the standard IEC 62471:2008 ("Photobiological safety of lamps and lamp systems"). Following the definition of the risk grouping system of the mentioned IEC standard, the LEDs mounted on this family fall into the class "Low Risk (RG1 – No photobiological hazard under normal behavioral limitations)". Under real circumstances (regarding exposure time, pupils, observation distance), it is assumed that there is no endangerment to the eye from these devices. As a matter of principle, however, it should be mentioned that intense light sources have a high secondary exposure potential due to their blinding effect.

RG2

The evaluation of photobiological safety is carried out according to the standard IEC 62471:2008 ("Photobiological safety of lamps and lamp systems"). Following the definition of the risk grouping system of the mentioned IEC standard, the LEDs mounted on this family fall into the class "Moderate Risk (RG2)". Under real circumstances (regarding exposure time, pupils, observation distance), it is assumed that there is no endangerment to the eye from these devices. As a matter of principle, however, it should be mentioned that intense light sources have a high secondary exposure potential due to their blinding effect.

SKU SPECIFICATIONS

Product Code	Dimensions (mm)	CCT (K)	Lumens (lm)	Power (W)	Eff. (lm/watt)	Lens Angle (°)
CRI 80						
105133 EmpireR D33001/2700/14W/80/A25/EM1H	D95xH91xØ85mm±1mm	2700	1200	14W	86	25°
105134 EmpireR D33001/3000/14W/80/A25/EM1H	D95xH91xØ85mm±1mm	3000	1215	14W	87	25°
105135 EmpireR D33001/3500/14W/80/A25/EM1H	D95xH91xØ85mm±1mm	3500	1245	14W	89	25°
105136 EmpireR D33001/4000/14W/80/A25/EM1H	D95xH91xØ85mm±1mm	4000	1270	14W	91	25°
105138 EmpireR D33001/2700/14W/80/A45/EM1H	D95xH91xØ85mm±1mm	2700	1200	14W	86	45°
105139 EmpireR D33001/3000/14W/80/A45/EM1H	D95xH91xØ85mm±1mm	3000	1215	14W	87	45°
105140 EmpireR D33001/3500/14W/80/A45/EM1H	D95xH91xØ85mm±1mm	3500	1245	14W	89	45°
105141 EmpireR D33001/4000/14W/80/A45/EM1H	D95xH91xØ85mm±1mm	4000	1270	14W	91	45°
105143 EmpireR D33001/2700/20W/80/A25/EM1H	D95xH91xØ85mm±1mm	2700	1650	20W	83	25°
105144 EmpireR D33001/3000/20W/80/A25/EM1H	D95xH91xØ85mm±1mm	3000	1665	20W	84	25°
105145 EmpireR D33001/3500/20W/80/A25/EM1H	D95xH91xØ85mm±1mm	3500	1710	20W	86	25°
105146 EmpireR D33001/4000/20W/80/A25/EM1H	D95xH91xØ85mm±1mm	4000	1745	20W	88	25°
105148 EmpireR D33001/2700/20W/80/A45/EM1H	D95xH91xØ85mm±1mm	2700	1650	20W	83	45°
105149 EmpireR D33001/3000/20W/80/A45/EM1H	D95xH91xØ85mm±1mm	3000	1665	20W	84	45°
105150 EmpireR D33001/3500/20W/80/A45/EM1H	D95xH91xØ85mm±1mm	3500	1710	20W	86	45°
105151 EmpireR D33001/4000/20W/80/A45/EM1H	D95xH91xØ85mm±1mm	4000	1745	20W	88	45°
105153 EmpireR D33002/2700/14W/80/A45/EM1H	D125xH111xØ115mm±1mm	2700	1440	14W	103	45°
105154 EmpireR D33002/3000/14W/80/A45/EM1H	D125xH111xØ115mm±1mm	3000	1455	14W	104	45°
105155 EmpireR D33002/3500/14W/80/A45/EM1H	D125xH111xØ115mm±1mm	3500	1495	14W	107	45°
105156 EmpireR D33002/4000/14W/80/A45/EM1H	D125xH111xØ115mm±1mm	4000	1525	14W	109	45°
105158 EmpireR D33002/2700/20W/80/A45/EM1H	D125xH111xØ115mm±1mm	2700	2010	20W	101	45°
105159 EmpireR D33002/3000/20W/80/A45/EM1H	D125xH111xØ115mm±1mm	3000	2025	20W	102	45°
105160 EmpireR D33002/3500/20W/80/A45/EM1H	D125xH111xØ115mm±1mm	3500	2080	20W	104	45°
105161 EmpireR D33002/4000/20W/80/A45/EM1H	D125xH111xØ115mm±1mm	4000	2120	20W	106	45°
105163 EmpireR D33002/2700/27W/80/A45/EM1H	D125xH111xØ115mm±1mm	2700	2805	27W	104	45°
105164 EmpireR D33002/3000/27W/80/A45/EM1H	D125xH111xØ115mm±1mm	3000	2830	27W	105	45°
105165 EmpireR D33002/3500/27W/80/A45/EM1H	D125xH111xØ115mm±1mm	3500	2905	27W	108	45°
105166 EmpireR D33002/4000/27W/80/A45/EM1H	D125xH111xØ115mm±1mm	4000	2965	27W	110	45°
105168 EmpireR D33003/2700/14W/80/A50/EM1H	D151xH128xØ140mm±1mm	2700	1440	14W	103	50°
105169 EmpireR D33003/3000/14W/80/A50/EM1H	D151xH128xØ140mm±1mm	3000	1455	14W	104	50°
105170 EmpireR D33003/3500/14W/80/A50/EM1H	D151xH128xØ140mm±1mm	3500	1495	14W	107	50°
105171 EmpireR D33003/4000/14W/80/A50/EM1H	D151xH128xØ140mm±1mm	4000	1525	14W	109	50°
105173 EmpireR D33003/2700/20W/80/A50/EM1H	D151xH128xØ140mm±1mm	2700	2010	20W	101	50°
105174 EmpireR D33003/3000/20W/80/A50/EM1H	D151xH128xØ140mm±1mm	3000	2025	20W	102	50°
105175 EmpireR D33003/3500/20W/80/A50/EM1H	D151xH128xØ140mm±1mm	3500	2080	20W	104	50°
105176 EmpireR D33003/4000/20W/80/A50/EM1H	D151xH128xØ140mm±1mm	4000	2120	20W	106	50°
105178 EmpireR D33003/2700/27W/80/A50/EM1H	D151xH128xØ140mm±1mm	2700	2805	27W	104	50°
105179 EmpireR D33003/3000/27W/80/A50/EM1H	D151xH128xØ140mm±1mm	3000	2830	27W	105	50°
105180 EmpireR D33003/3500/27W/80/A50/EM1H	D151xH128xØ140mm±1mm	3500	2905	27W	108	50°
105181 EmpireR D33003/4000/27W/80/A50/EM1H	D151xH128xØ140mm±1mm	4000	2965	27W	110	50°
105185 EmpireR D33002/BVF/27W/80/A45/EM1H	D125xH111xØ115mm±1mm	BVF	2220	27W	83	45°
105186 EmpireR D33002/FBS/27W/80/A45/EM1H	D125xH111xØ115mm±1mm	FBS	1515	27W	57	45°
105187 EmpireR D33002/FZM/27W/80/A45/EM1H	D125xH111xØ115mm±1mm	FZM	1455	27W	54	45°
105188 EmpireR D33002/FSM/27W/80/A45/EM1H	D125xH111xØ115mm±1mm	FSM	1480	27W	55	45°
105189 EmpireR D33002/FSH/27W/80/A45/EM1H	D125xH111xØ115mm±1mm	FSH	2170	27W	81	45°
105190 EmpireR D33003/BVF/27W/80/A50/EM1H	D151xH128xØ140mm±1mm	BVF	2220	27W	83	50°
105191 EmpireR D33003/FBS/27W/80/A50/EM1H	D151xH128xØ140mm±1mm	FBS	1515	27W	57	50°
105192 EmpireR D33003/FZM/27W/80/A50/EM1H	D151xH128xØ140mm±1mm	FZM	1455	27W	54	50°
105193 EmpireR D33003/FSM/27W/80/A50/EM1H	D151xH128xØ140mm±1mm	FSM	1480	27W	55	50°
105194 EmpireR D33003/FSH/27W/80/A50/EM1H	D151xH128xØ140mm±1mm	FSH	2170	27W	81	50°
105200 EmpireR D33001/2700/14W/80/A25/EM3H	D95xH91xØ85mm±1mm	2700	1200	14W	86	25°
105201 EmpireR D33001/3000/14W/80/A25/EM3H	D95xH91xØ85mm±1mm	3000	1215	14W	87	25°

SKU SPECIFICATIONS

Product Code	Dimensions (mm)	CCT (K)	Lumens (lm)	Power (W)	Eff. (lm/watt)	Lens Angle (°)
CRI 80						
105202 EmpireR D33001/3500/14W/80/A25/EM3H	D95xH91xØ85mm±1mm	3500	1245	14W	89	25°
105203 EmpireR D33001/4000/14W/80/A25/EM3H	D95xH91xØ85mm±1mm	4000	1270	14W	91	25°
105205 EmpireR D33001/2700/14W/80/A45/EM3H	D95xH91xØ85mm±1mm	2700	1200	14W	86	45°
105206 EmpireR D33001/3000/14W/80/A45/EM3H	D95xH91xØ85mm±1mm	3000	1215	14W	87	45°
105207 EmpireR D33001/3500/14W/80/A45/EM3H	D95xH91xØ85mm±1mm	3500	1245	14W	89	45°
105208 EmpireR D33001/4000/14W/80/A45/EM3H	D95xH91xØ85mm±1mm	4000	1270	14W	91	45°
105210 EmpireR D33001/2700/20W/80/A25/EM3H	D95xH91xØ85mm±1mm	2700	1650	20W	83	25°
105211 EmpireR D33001/3000/20W/80/A25/EM3H	D95xH91xØ85mm±1mm	3000	1665	20W	84	25°
105212 EmpireR D33001/3500/20W/80/A25/EM3H	D95xH91xØ85mm±1mm	3500	1710	20W	86	25°
105213 EmpireR D33001/4000/20W/80/A25/EM3H	D95xH91xØ85mm±1mm	4000	1745	20W	88	25°
105215 EmpireR D33001/2700/20W/80/A45/EM3H	D95xH91xØ85mm±1mm	2700	1650	20W	83	45°
105216 EmpireR D33001/3000/20W/80/A45/EM3H	D95xH91xØ85mm±1mm	3000	1665	20W	84	45°
105217 EmpireR D33001/3500/20W/80/A45/EM3H	D95xH91xØ85mm±1mm	3500	1710	20W	86	45°
105218 EmpireR D33001/4000/20W/80/A45/EM3H	D95xH91xØ85mm±1mm	4000	1745	20W	88	45°
105220 EmpireR D33002/2700/14W/80/A45/EM3H	D125xH111xØ115mm±1mm	2700	1440	14W	103	45°
105221 EmpireR D33002/3000/14W/80/A45/EM3H	D125xH111xØ115mm±1mm	3000	1455	14W	104	45°
105222 EmpireR D33002/3500/14W/80/A45/EM3H	D125xH111xØ115mm±1mm	3500	1495	14W	107	45°
105223 EmpireR D33002/4000/14W/80/A45/EM3H	D125xH111xØ115mm±1mm	4000	1525	14W	109	45°
105225 EmpireR D33002/2700/20W/80/A45/EM3H	D125xH111xØ115mm±1mm	2700	2010	20W	101	45°
105226 EmpireR D33002/3000/20W/80/A45/EM3H	D125xH111xØ115mm±1mm	3000	2025	20W	102	45°
105227 EmpireR D33002/3500/20W/80/A45/EM3H	D125xH111xØ115mm±1mm	3500	2080	20W	104	45°
105228 EmpireR D33002/4000/20W/80/A45/EM3H	D125xH111xØ115mm±1mm	4000	2120	20W	106	45°
105230 EmpireR D33002/2700/27W/80/A45/EM3H	D125xH111xØ115mm±1mm	2700	2805	27W	104	45°
105231 EmpireR D33002/3000/27W/80/A45/EM3H	D125xH111xØ115mm±1mm	3000	2830	27W	105	45°
105232 EmpireR D33002/3500/27W/80/A45/EM3H	D125xH111xØ115mm±1mm	3500	2905	27W	108	45°
105233 EmpireR D33002/4000/27W/80/A45/EM3H	D125xH111xØ115mm±1mm	4000	2965	27W	110	45°
105235 EmpireR D33003/2700/14W/80/A50/EM3H	D151xH128xØ140mm±1mm	2700	1440	14W	103	50°
105236 EmpireR D33003/3000/14W/80/A50/EM3H	D151xH128xØ140mm±1mm	3000	1455	14W	104	50°
105237 EmpireR D33003/3500/14W/80/A50/EM3H	D151xH128xØ140mm±1mm	3500	1495	14W	107	50°
105238 EmpireR D33003/4000/14W/80/A50/EM3H	D151xH128xØ140mm±1mm	4000	1525	14W	109	50°
105240 EmpireR D33003/2700/20W/80/A50/EM3H	D151xH128xØ140mm±1mm	2700	2010	20W	101	50°
105241 EmpireR D33003/3000/20W/80/A50/EM3H	D151xH128xØ140mm±1mm	3000	2025	20W	102	50°
105242 EmpireR D33003/3500/20W/80/A50/EM3H	D151xH128xØ140mm±1mm	3500	2080	20W	104	50°
105243 EmpireR D33003/4000/20W/80/A50/EM3H	D151xH128xØ140mm±1mm	4000	2120	20W	106	50°
105245 EmpireR D33003/2700/27W/80/A50/EM3H	D151xH128xØ140mm±1mm	2700	2805	27W	104	50°
105246 EmpireR D33003/3000/27W/80/A50/EM3H	D151xH128xØ140mm±1mm	3000	2830	27W	105	50°
105247 EmpireR D33003/3500/27W/80/A50/EM3H	D151xH128xØ140mm±1mm	3500	2905	27W	108	50°
105248 EmpireR D33003/4000/27W/80/A50/EM3H	D151xH128xØ140mm±1mm	4000	2965	27W	110	50°
105252 EmpireR D33002/BVF/27W/80/A45/EM3H	D125xH111xØ115mm±1mm	BVF	2220	27W	83	45°
105253 EmpireR D33002/FBS/27W/80/A45/EM3H	D125xH111xØ115mm±1mm	FBS	1515	27W	57	45°
105254 EmpireR D33002/FZM/27W/80/A45/EM3H	D125xH111xØ115mm±1mm	FZM	1455	27W	54	45°
105255 EmpireR D33002/FSM/27W/80/A45/EM3H	D125xH111xØ115mm±1mm	FSM	1480	27W	55	45°
105256 EmpireR D33002/FSH/27W/80/A45/EM3H	D125xH111xØ115mm±1mm	FSH	2170	27W	81	45°
105257 EmpireR D33003/BVF/27W/80/A50/EM3H	D151xH128xØ140mm±1mm	BVF	2220	27W	83	50°
105258 EmpireR D33003/FBS/27W/80/A50/EM3H	D151xH128xØ140mm±1mm	FBS	1515	27W	57	50°
105259 EmpireR D33003/FZM/27W/80/A50/EM3H	D151xH128xØ140mm±1mm	FZM	1455	27W	54	50°
105260 EmpireR D33003/FSM/27W/80/A50/EM3H	D151xH128xØ140mm±1mm	FSM	1480	27W	55	50°
105261 EmpireR D33003/FSH/27W/80/A50/EM3H	D151xH128xØ140mm±1mm	FSH	2170	27W	81	50°
CRI 93						
105430 EmpireR D33001/AGI3000/12W/93/A25/EM1H	D95xH91xØ85mm±1mm	AGI3000	735	12W	62	25°
105431 EmpireR D33001/AGI3500/12W/93/A25/EM1H	D95xH91xØ85mm±1mm	AGI3500	780	12W	65	25°

SKU SPECIFICATIONS

Product Code	Dimensions (mm)	CCT (K)	Lumens (lm)	Power (W)	Eff. (lm/watt)	Lens Angle (°)
CRI 93						
105432 EmpireR D33001/AGI4000/12W/93/A25/EM1H	D95xH91xØ85mm±1mm	AGI4000	830	12W	70	25°
105433 EmpireR D33001/AGI3000/12W/93/A45/EM1H	D95xH91xØ85mm±1mm	AGI3000	735	12W	62	45°
105434 EmpireR D33001/AGI3500/12W/93/A45/EM1H	D95xH91xØ85mm±1mm	AGI3500	780	12W	65	45°
105435 EmpireR D33001/AGI4000/12W/93/A45/EM1H	D95xH91xØ85mm±1mm	AGI4000	830	12W	70	45°
105436 EmpireR D33001/AGI3000/17W/93/A25/EM1H	D95xH91xØ85mm±1mm	AGI3000	985	17W	58	25°
105437 EmpireR D33001/AGI3500/17W/93/A25/EM1H	D95xH91xØ85mm±1mm	AGI3500	1050	17W	62	25°
105438 EmpireR D33001/AGI4000/17W/93/A25/EM1H	D95xH91xØ85mm±1mm	AGI4000	1115	17W	66	25°
105439 EmpireR D33001/AGI3000/17W/93/A45/EM1H	D95xH91xØ85mm±1mm	AGI3000	985	17W	58	45°
105440 EmpireR D33001/AGI3500/17W/93/A45/EM1H	D95xH91xØ85mm±1mm	AGI3500	1050	17W	62	45°
105441 EmpireR D33001/AGI4000/17W/93/A45/EM1H	D95xH91xØ85mm±1mm	AGI4000	1115	17W	66	45°
105442 EmpireR D33002/AGI3000/12W/93/A45/EM1H	D125xH111xØ115mm±1mm	AGI3000	735	12W	62	45°
105443 EmpireR D33002/AGI3500/12W/93/A45/EM1H	D125xH111xØ115mm±1mm	AGI3500	780	12W	65	45°
105444 EmpireR D33002/AGI4000/12W/93/A45/EM1H	D125xH111xØ115mm±1mm	AGI4000	830	12W	70	45°
105445 EmpireR D33002/AGI3000/17W/93/A45/EM1H	D125xH111xØ115mm±1mm	AGI3000	985	17W	58	45°
105446 EmpireR D33002/AGI3500/17W/93/A45/EM1H	D125xH111xØ115mm±1mm	AGI3500	1050	17W	62	45°
105447 EmpireR D33002/AGI4000/17W/93/A45/EM1H	D125xH111xØ115mm±1mm	AGI4000	1115	17W	66	45°
105448 EmpireR D33002/AGI3000/23W/93/A45/EM1H	D125xH111xØ115mm±1mm	AGI3000	1330	23W	58	45°
105449 EmpireR D33002/AGI3500/23W/93/A45/EM1H	D125xH111xØ115mm±1mm	AGI3500	1440	23W	63	45°
105450 EmpireR D33002/AGI4000/23W/93/A45/EM1H	D125xH111xØ115mm±1mm	AGI4000	1550	23W	68	45°
105451 EmpireR D33003/AGI3000/12W/93/A50/EM1H	D151xH128xØ140mm±1mm	AGI3000	735	12W	62	50°
105452 EmpireR D33003/AGI3500/12W/93/A50/EM1H	D151xH128xØ140mm±1mm	AGI3500	780	12W	65	50°
105453 EmpireR D33003/AGI4000/12W/93/A50/EM1H	D151xH128xØ140mm±1mm	AGI4000	830	12W	70	50°
105454 EmpireR D33003/AGI3000/17W/93/A50/EM1H	D151xH128xØ140mm±1mm	AGI3000	985	17W	58	50°
105455 EmpireR D33003/AGI3500/17W/93/A50/EM1H	D151xH128xØ140mm±1mm	AGI3500	1050	17W	62	50°
105456 EmpireR D33003/AGI4000/17W/93/A50/EM1H	D151xH128xØ140mm±1mm	AGI4000	1115	17W	66	50°
105457 EmpireR D33003/AGI3000/23W/93/A50/EM1H	D151xH128xØ140mm±1mm	AGI3000	1330	23W	58	50°
105458 EmpireR D33003/AGI3500/23W/93/A50/EM1H	D151xH128xØ140mm±1mm	AGI3500	1440	23W	63	50°
105459 EmpireR D33003/AGI4000/23W/93/A50/EM1H	D151xH128xØ140mm±1mm	AGI4000	1550	23W	68	50°
105460 EmpireR D33001/AGI3000/12W/93/A25/EM3H	D95xH91xØ85mm±1mm	AGI3000	735	12W	62	25°
105461 EmpireR D33001/AGI3500/12W/93/A25/EM3H	D95xH91xØ85mm±1mm	AGI3500	780	12W	65	25°
105462 EmpireR D33001/AGI4000/12W/93/A25/EM3H	D95xH91xØ85mm±1mm	AGI4000	830	12W	70	25°
105463 EmpireR D33001/AGI3000/12W/93/A45/EM3H	D95xH91xØ85mm±1mm	AGI3000	735	12W	62	45°
105464 EmpireR D33001/AGI3500/12W/93/A45/EM3H	D95xH91xØ85mm±1mm	AGI3500	780	12W	65	45°
105465 EmpireR D33001/AGI4000/12W/93/A45/EM3H	D95xH91xØ85mm±1mm	AGI4000	830	12W	70	45°
105466 EmpireR D33001/AGI3000/17W/93/A25/EM3H	D95xH91xØ85mm±1mm	AGI3000	985	17W	58	25°
105467 EmpireR D33001/AGI3500/17W/93/A25/EM3H	D95xH91xØ85mm±1mm	AGI3500	1050	17W	62	25°
105468 EmpireR D33001/AGI4000/17W/93/A25/EM3H	D95xH91xØ85mm±1mm	AGI4000	1115	17W	66	25°
105469 EmpireR D33001/AGI3000/17W/93/A45/EM3H	D95xH91xØ85mm±1mm	AGI3000	985	17W	58	45°
105470 EmpireR D33001/AGI3500/17W/93/A45/EM3H	D95xH91xØ85mm±1mm	AGI3500	1050	17W	62	45°
105471 EmpireR D33001/AGI4000/17W/93/A45/EM3H	D95xH91xØ85mm±1mm	AGI4000	1115	17W	66	45°
105472 EmpireR D33002/AGI3000/12W/93/A45/EM3H	D125xH111xØ115mm±1mm	AGI3000	735	12W	62	45°
105473 EmpireR D33002/AGI3500/12W/93/A45/EM3H	D125xH111xØ115mm±1mm	AGI3500	780	12W	65	45°
105474 EmpireR D33002/AGI4000/12W/93/A45/EM3H	D125xH111xØ115mm±1mm	AGI4000	830	12W	70	45°
105475 EmpireR D33002/AGI3000/17W/93/A45/EM3H	D125xH111xØ115mm±1mm	AGI3000	985	17W	58	45°
105476 EmpireR D33002/AGI3500/17W/93/A45/EM3H	D125xH111xØ115mm±1mm	AGI3500	1050	17W	62	45°
105477 EmpireR D33002/AGI4000/17W/93/A45/EM3H	D125xH111xØ115mm±1mm	AGI4000	1115	17W	66	45°
105478 EmpireR D33002/AGI3000/23W/93/A45/EM3H	D125xH111xØ115mm±1mm	AGI3000	1330	23W	58	45°
105479 EmpireR D33002/AGI3500/23W/93/A45/EM3H	D125xH111xØ115mm±1mm	AGI3500	1440	23W	63	45°
105480 EmpireR D33002/AGI4000/23W/93/A45/EM3H	D125xH111xØ115mm±1mm	AGI4000	1550	23W	68	45°
105481 EmpireR D33003/AGI3000/12W/93/A50/EM3H	D151xH128xØ140mm±1mm	AGI3000	735	12W	62	50°
105482 EmpireR D33003/AGI3500/12W/93/A50/EM3H	D151xH128xØ140mm±1mm	AGI3500	780	12W	65	50°
105483 EmpireR D33003/AGI4000/12W/93/A50/EM3H	D151xH128xØ140mm±1mm	AGI4000	830	12W	70	50°

SKU SPECIFICATIONS

Product Code	Dimensions (mm)	CCT (K)	Lumens (lm)	Power (W)	Eff. (lm/watt)	Lens Angle (°)
CRI 93						
105484 EmpireR D33003/AGI3000/17W/93/A50/EM3H	D151xH128xØ140mm±1mm	AGI3000	985	17W	58	50°
105485 EmpireR D33003/AGI3500/17W/93/A50/EM3H	D151xH128xØ140mm±1mm	AGI3500	1050	17W	62	50°
105486 EmpireR D33003/AGI4000/17W/93/A50/EM3H	D151xH128xØ140mm±1mm	AGI4000	1115	17W	66	50°
105487 EmpireR D33003/AGI3000/23W/93/A50/EM3H	D151xH128xØ140mm±1mm	AGI3000	1330	23W	58	50°
105488 EmpireR D33003/AGI3500/23W/93/A50/EM3H	D151xH128xØ140mm±1mm	AGI3500	1440	23W	63	50°
105489 EmpireR D33003/AGI4000/23W/93/A50/EM3H	D151xH128xØ140mm±1mm	AGI4000	1550	23W	68	50°
CRI 95						
105183 EmpireR D33002/FAS/27W/95/A45/EM1H	D125xH111xØ115mm±1mm	FAS	2335	27W	87	45°
105184 EmpireR D33003/FAS/27W/95/A50/EM1H	D151xH128xØ140mm±1mm	FAS	2335	27W	87	50°
105250 EmpireR D33002/FAS/27W/95/A45/EM3H	D125xH111xØ115mm±1mm	FAS	2335	27W	87	45°
105251 EmpireR D33003/FAS/27W/95/A50/EM3H	D151xH128xØ140mm±1mm	FAS	2335	27W	87	50°
CRI 98						
105196 EmpireR D33002/ART3000/27W/98/A45/EM1H	D125xH111xØ115mm±1mm	ART3000	2155	27W	80	45°
105198 EmpireR D33003/ART3000/27W/98/A50/EM1H	D151xH128xØ140mm±1mm	ART3000	2155	27W	80	50°
105263 EmpireR D33002/ART3000/27W/98/A45/EM3H	D125xH111xØ115mm±1mm	ART3000	2155	27W	80	45°
105265 EmpireR D33003/ART3000/27W/98/A50/EM3H	D151xH128xØ140mm±1mm	ART3000	2155	27W	80	50°

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