STAR

KOE

KDL1013L-1



KDL1015L-3



KDL1016L-3

UGR <19



III IP23

Item No.	KDL1013L-1	KDL1015L-3	KDL1016L-3
Material	Aluminum	Aluminum	Aluminum
Color rendering index	CRI80	CRI90	CRI90
Beam angle	24°	24°	36°
Input	DC350mA 3V	DC350mA 9V	DC350mA 9V
CCT	3000K, 4000K	3000K, 4000K	3000K, 4000K
LED power	0.9W	3W	3W
Power with driver	...	4.1W	4.1W
LED luminous flux	110lm@3000K	380lm@3000K	380lm@3000K
Light luminous flux	100lm@3000K	350lm@3000K	330lm@3000K
Lumen efficiency	111lm/W	85lm/W	80lm/W
Expected lifetime	L70B30/50000H,Ta=25°C	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D30 H21 C27	D40 H36 C35	D40 H46 C35

STAR

KOE

KDL1006L-3



Item No.	KDL1006L-3
Material	Aluminum
Color rendering index	CRI90
Beam angle	24°
Input	DC350mA 9V
CCT	3000K, 4000K
LED power	3W
Power with driver	4.1W
LED luminous flux	380lm@3000K
Light luminous flux	350lm@3000K
Lumen efficiency	85lm/W
Expected lifetime	L80B10/50000H,Ta=25°C
Size	D52 H32 C45

STAR

KOE

KDL2003-3



KDL2004-3



KDL2005-3



III IP65 L80B10 50000H

Item No.	KDL2003-3	KDL2004-3	KDL2005-3
Material	Aluminum	Aluminum	Aluminum
Color rendering index	CRI90	CRI90	CRI90
Beam angle	36°	36°	36°
Input	DC350mA 9V	DC350mA 9V	DC350mA 9V
CCT	3000K, 4000K	3000K, 4000K	3000K, 4000K
LED power	3W	3W	3W
Power with driver	4.1W	4.1W	4.1W
LED luminous flux	380lm@3000K	380lm@3000K	380lm@3000K
Light luminous flux	330lm@3000K	320lm@3000K	320lm@3000K
Lumen efficiency	80lm/W	78lm/W	78lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D45 H22.5 C40	D45 H31.5 C40	D50 H31.5 C45

STAR

KOE

KS93



Item No.	KS93
Material	Stainless steel
Color rendering index	CRI90
Beam angle	110°
Input	DC12V
CCT	3000K, 4000K
LED power	0.2W
Power with driver	...
LED luminous flux	10lm@3000K
Light luminous flux	6lm@3000K
Lumen efficiency	30lm/W
Expected lifetime	L70B30/50000H,Ta=25°C
Size	D18 H10.5 C15

NOVA

KOE

KDL2101MAR-6



KDL2102MAR-6



KDL2201MAR-12



III IP23 L80B10 50000H

Item No.	KDL2101MAR-6	KDL2102MAR-6	KDL2201MAR-12
Material	Aluminum	Aluminum	Aluminum
Color rendering index	CRI90	CRI90	CRI90
Beam angle	38°, 60°	38°, 60°	38°
Input	DC180mA 36V	DC180mA 36V	DC350mA 36V
CCT	2700K, 3000K, 4000K	2700K, 3000K, 4000K	3000K, 4000K
LED power	6W	6W	12W
Power with driver	7.4W	7.4W	14.5W
LED luminous flux	810lm@3000K	810lm@3000K	1460lm@3000K
Light luminous flux	700lm@3000K	700lm@3000K	1260lm@3000K
Lumen efficiency	95lm/W	95lm/W	87lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D82 H33 C68	L82x82 H33 C68	D110 H51 C95

NOVA

KOE

KDL2106MAR-6



KDL2105MAR-6



III IP23 L80B10 50000H

Item No.	KDL2106MAR-6	KDL2105MAR-6
Material	Aluminum	Aluminum
Color rendering index	CRI90	CRI90
Beam angle	38°, 60°	38°, 60°
Input	DC180mA 36V	DC180mA 36V
CCT	2700K, 3000K, 4000K	2700K, 3000K, 4000K
LED power	6W	6W
Power with driver	7.4W	7.4W
LED luminous flux	810lm@3000K	810lm@3000K
Light luminous flux	700lm@3000K	700lm@3000K
Lumen efficiency	95lm/W	95lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D82 H33 C68	D88 H33 C75

NOVA

KOE

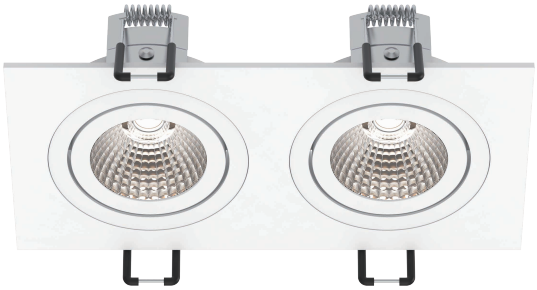
KDL2103MAR-6



KDL2104MAR-6



KDL2104MAR/2-12





Item No.	KDL2103MAR-6	KDL2104MAR-6	KDL2104MAR/2-12
Material	Aluminum	Aluminum	Aluminum
Color rendering index	CRI90	CRI90	CRI90
Beam angle	38°, 60°	38°, 60°	38°, 60°
Input	DC180mA 36V	DC180mA 36V	DC350mA 36V
CCT	2700K, 3000K, 4000K	2700K, 3000K, 4000K	2700K, 3000K, 4000K
LED power	6W	6W	11.8W
Power with driver	7.4W	7.4W	14W
LED luminous flux	810lm@3000K	810lm@3000K	1560lm@3000K
Light luminous flux	700lm@3000K	700lm@3000K	1360lm@3000K
Lumen efficiency	95lm/W	95lm/W	97lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D93 H33 C75	L90x90 H33 C75	L170x90 H33 C155x78

NOVA

KOE

KDL2185MAR-6



III IP65 L80B10 50000H

Item No.	KDL2185MAR-6
Material	Aluminum
Color rendering index	CRI90
Beam angle	38°, 60°
Input	DC180mA 36V
CCT	2700K, 3000K, 4000K
LED power	6W
Power with driver	7.4W
LED luminous flux	810lm@3000K
Light luminous flux	650lm@3000K
Lumen efficiency	88lm/W
Expected lifetime	L80B10/50000H,Ta=25°C
Size	D82 H35.5 C68

NOVA

KOE

KDL2181-6



KDL2182-6



III IP65 L80B10 50000H

Item No.	KDL2181-6	KDL2182-6
Material	Aluminum	Aluminum
Color rendering index	CRI90	CRI90
Beam angle	38°, 60°	38°, 60°
Input	DC180mA 36V	DC180mA 36V
CCT	2700K, 3000K, 4000K	2700K, 3000K, 4000K
LED power	6W	6W
Power with driver	7.4W	7.4W
LED luminous flux	810lm@3000K	810lm@3000K
Light luminous flux	680lm@3000K	680lm@3000K
Lumen efficiency	92lm/W	92lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D79 H40 C60	L79x79 H40 C60

NOVA

KOE

KDL2187-6



KDL2188-6





Item No.	KDL2187-6	KDL2188-6
Material	Aluminum	Aluminum
Color rendering index	CRI90	CRI90
Beam angle	38°, 60°	38°, 60°
Input	DC180mA 36V	DC180mA 36V
CCT	2700K, 3000K, 4000K	2700K, 3000K, 4000K
LED power	6W	6W
Power with driver	7.4W	7.4W
LED luminous flux	810lm@3000K	810lm@3000K
Light luminous flux	700lm@3000K	700lm@3000K
Lumen efficiency	95lm/W	95lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D82 H46 C68	L82x82 H46 C68

NOVA HE

KOE

KDL2101MBB-5



KDL2102MBB-5



KDL2201MAU-8





Item No.	KDL2101MBB-5	KDL2102MBB-5	KDL2201MAU-8
Material	Aluminum	Aluminum	Aluminum
Color rendering index	CRI90	CRI90	CRI90
Beam angle	36°, 60°	36°, 60°	38°
Input	DC150mA 36V	DC150mA 36V	DC250mA 36V
CCT	2700K, 3000K, 4000K	2700K, 3000K, 4000K	2700K, 3000K, 4000K
LED power	4.7W	4.7W	8W
Power with driver	6.1W	6.1W	9.7W
LED luminous flux	820lm@3000K	820lm@3000K	1330lm@3000K
Light luminous flux	780lm@3000K	780lm@3000K	1270lm@3000K
Lumen efficiency	128lm/W	128lm/W	131lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D82 H28 C68	L82x82 H28 C68	D110 H51 C95

NOVA HE

KOE

KDL2103MBB-5



KDL2104MBB-5





Item No.	KDL2103MBB-5	KDL2104MBB-5
Material	Aluminum	Aluminum
Color rendering index	CRI90	CRI90
Beam angle	36°, 60°	36°, 60°
Input	DC150mA 36V	DC150mA 36V
CCT	2700K, 3000K, 4000K	2700K, 3000K, 4000K
LED power	4.7W	4.7W
Power with driver	6.1W	6.1W
LED luminous flux	820lm@3000K	820lm@3000K
Light luminous flux	780lm@3000K	780lm@3000K
Lumen efficiency	128lm/W	128lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D93 H28 C75	L90x90 H28 C75

SONICO

KOE

KDL2113TAR-6



KDL2114TAR-6



25° III IP23 L80B10 50000H

Item No.	KDL2113TAR-6	KDL2114TAR-6
Material	Aluminum	Aluminum
Color rendering index	CRI90	CRI90
Beam angle	38°	38°
Input	DC180mA 36V	DC180mA 36V
CCT	2700K, 3000K, 4000K	2700K, 3000K, 4000K
LED power	6W	6W
Power with driver	7.4W	7.4W
LED luminous flux	810lm@3000K	810lm@3000K
Light luminous flux	700lm@3000K	700lm@3000K
Lumen efficiency	95lm/W	95lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D82 H42 C68	L82x82 H42 C68

SONICO

KOE

KDL2113BTAR-6



KDL2114BTAR-6





Item No.	KDL2113BTAR-6	KDL2114BTAR-6
Material	Aluminum	Aluminum
Color rendering index	CRI90	CRI90
Beam angle	38°	38°
Input	DC180mA 36V	DC180mA 36V
CCT	2700K, 3000K, 4000K	2700K, 3000K, 4000K
LED power	6W	6W
Power with driver	7.4W	7.4W
LED luminous flux	810lm@3000K	810lm@3000K
Light luminous flux	700lm@3000K	700lm@3000K
Lumen efficiency	95lm/W	95lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D93 H42 C75	L90x90 H42 C75

SONICO

KOE

KDL2183TAR-9



KDL2184TAR-9



III IP65 L80B10 50000H

Item No.	KDL2183TAR-9	KDL2184TAR-9
Material	Aluminum	Aluminum
Color rendering index	CRI90	CRI90
Beam angle	38°	38°
Input	DC250mA 36V	DC250mA 36V
CCT	2700K, 3000K, 4000K	2700K, 3000K, 4000K
LED power	8.4W	8.4W
Power with driver	10W	10W
LED luminous flux	1130lm@3000K	1130lm@3000K
Light luminous flux	820lm@3000K	750lm@3000K
Lumen efficiency	82lm/W	75lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D82 H59 C68	L82x82 H59 C68

SONICO

KOE

KDL2117TAR-9



KDL2118TAR-9



III IP65 L80B10 50000H

Item No.	KDL2117TAR-9	KDL2118TAR-9
Material	Aluminum	Aluminum
Color rendering index	CRI90	CRI90
Beam angle	38°	38°
Input	DC250mA 36V	DC250mA 36V
CCT	2700K, 3000K, 4000K	2700K, 3000K, 4000K
LED power	8.4W	8.4W
Power with driver	10W	10W
LED luminous flux	1130lm@3000K	1130lm@3000K
Light luminous flux	920lm@3000K	790lm@3000K
Lumen efficiency	92lm/W	79lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D83 H63 C68	L83x83 H63 C68

SUNA

KOE

KDL2135TAR-6

30°



KDL2132TAR-6

UGR <19

25°



III IP23 L80B10 50000H

Item No.	KDL2135TAR-6	KDL2132TAR-6
Material	Aluminum	Aluminum
Color rendering index	CRI90	CRI90
Beam angle	38°	38°
Input	DC180mA 36V	DC180mA 36V
CCT	2700K, 3000K, 4000K	2700K, 3000K, 4000K
LED power	6W	6W
Power with driver	7.4W	7.4W
LED luminous flux	810lm@3000K	810lm@3000K
Light luminous flux	620lm@3000K	660lm@3000K
Lumen efficiency	84lm/W	89lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D82 H51 C68	D82 H57 C75

SUNA

KOE

KDL2136MAR-6



KDL2133TAR-6

UGR <19



KDL2233MAR-12

UGR <19



III IP23 L80B10 50000H

Item No.	KDL2136MAR-6	KDL2133TAR-6	KDL2233MAR-12
Material	Aluminum	Aluminum	Aluminum
Color rendering index	CRI90	CRI90	CRI90
Beam angle	38°	38°	38°
Input	DC180mA 36V	DC180mA 36V	DC350mA 36V
CCT	2700K, 3000K, 4000K	2700K, 3000K, 4000K	3000K, 4000K
LED power	6W	6W	12W
Power with driver	7.4W	7.4W	14.5W
LED luminous flux	810lm@3000K	810lm@3000K	1460lm@3000K
Light luminous flux	640lm@3000K	660lm@3000K	1200lm@3000K
Lumen efficiency	86lm/W	89lm/W	83lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D76 H61 C68	D82 H58 C75	D103 H73 C95

SUNA

KOE

KDL2136AMAR-6



KDL2136BMAR-6



KDL2133ATAR-6

UGR <19



III IP23 L80B10 50000H

Item No.	KDL2136AMAR-6	KDL2136BMAR-6	KDL2133ATAR-6
Material	Aluminum	Aluminum	Aluminum
Color rendering index	CRI90	CRI90	CRI90
Beam angle	38°	38°	38°
Input	DC180mA 36V	DC180mA 36V	DC180mA 36V
CCT	2700K, 3000K, 4000K	2700K, 3000K, 4000K	2700K, 3000K, 4000K
LED power	6W	6W	6W
Power with driver	7.4W	7.4W	7.4W
LED luminous flux	810lm@3000K	810lm@3000K	810lm@3000K
Light luminous flux	640lm@3000K	640lm@3000K	660lm@3000K
Lumen efficiency	86lm/W	86lm/W	89lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D76 H68 C68	D80 H68 C68	D82 H64 C75

SUNA

KOE

KDL2136BRMAR-6



KDL2136BSMAR-6



KDL2136BSMAR/2-12



III IP23 L80B10 50000H

Item No.	KDL2136BRMAR-6	KDL2136BSMAR-6	KDL2136BSMAR/2-12
Material	Aluminum	Aluminum	Aluminum
Color rendering index	CRI90	CRI90	CRI90
Beam angle	38°	38°	38°
Input	DC180mA 36V	DC180mA 36V	DC350mA 36V
CCT	2700K, 3000K, 4000K	2700K, 3000K, 4000K	2700K, 3000K, 4000K
LED power	6W	6W	11.8W
Power with driver	7.4W	7.4W	14W
LED luminous flux	810lm@3000K	810lm@3000K	1560lm@3000K
Light luminous flux	640lm@3000K	640lm@3000K	1230lm@3000K
Lumen efficiency	86lm/W	86lm/W	88lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D95 H68 C68	L95x95 H68 C68	L183x95 H68 C156x68

SUNA HE

KOE

KDL2132TBB-5



KDL2136MBB-5



UGR <19 | III | IP23 | L80B10 50000H

Item No.	KDL2132TBB-5	KDL2136MBB-5
Material	Aluminum	Aluminum
Color rendering index	CRI90	CRI90
Beam angle	36°	36°
Input	DC150mA 36V	DC150mA 36V
CCT	2700K, 3000K, 4000K	2700K, 3000K, 4000K
LED power	4.7W	4.7W
Power with driver	6.1W	6.1W
LED luminous flux	820lm@3000K	820lm@3000K
Light luminous flux	760lm@3000K	740lm@3000K
Lumen efficiency	125lm/W	121lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D82 H52 C68	D76 H55 C68

SUNA HE

KOE

KDL2133TBB-5 UGR <19



KDL2233MAU-8 UGR <10



III IP23 L80B10 50000H

Item No.	KDL2133TBB-5	KDL2233MAU-8
Material	Aluminum	Aluminum
Color rendering index	CRI90	CRI90
Beam angle	36°	30°
Input	DC150mA 36V	DC250mA 36V
CCT	2700K, 3000K, 4000K	2700K, 3000K, 4000K
LED power	4.7W	8W
Power with driver	6.1W	9.7W
LED luminous flux	820lm@3000K	1330lm@3000K
Light luminous flux	760lm@3000K	1250lm@3000K
Lumen efficiency	125lm/W	129lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D82 H53 C75	D103 H73 C95

SUNA ECO

KOE

KDL2133C-6C3B



Interchangeable anti-glare baffles



BK



MWH/MS



MWH/CH



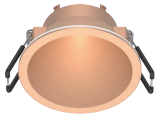
MWH/RG



MS



CH



RG

UGR <19

III

IP54

L80B10 50000H

Item No.	KDL2133C-6C3B
Material	Aluminum
Color rendering index	CRI90
Beam angle	60°
Input	DC180mA 36V
CCT	2700K/3000K/4000K
LED power	5.7W
Power with driver	7W
LED luminous flux	800lm@3000K
Light luminous flux	610lm@3000K
Lumen efficiency	87lm/W
Expected lifetime	L80B10/50000H,Ta=25°C
Size	D76 H80 C68

RADO

KOE

KDL2027-6 UGR <13



KDL2127-6 UGR <0





GBK BK MWH MG MSL

25° III IP23 L80B10 50000H

Item No.	KDL2027-6	KDL2127-6
Material	Aluminum	Aluminum
Color rendering index	CRI90	CRI90
Beam angle	24°	24°
Input	DC180mA 36V	DC180mA 36V
CCT	2700K, 3000K, 4000K	2700K, 3000K, 4000K
LED power	6W	6W
Power with driver	7.4W	7.4W
LED luminous flux	810lm@3000K	810lm@3000K
Light luminous flux	570lm@3000K	700lm@3000K
Lumen efficiency	77lm/W	95lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D60 H60 C55	D76 H71.5 C68

RADO

KOE

KDL2127-9

UGR <5

25°



KDL2228-12

UGR <5

350° 20°





GBK BK MWH MG MSL

IP23

III

L80B10 50000H

Item No.	KDL2127-9	KDL2228-12
Material	Aluminum	Aluminum
Color rendering index	CRI90	CRI90
Beam angle	30°	30°
Input	DC250mA 36V	DC350mA 36V
CCT	2700K, 3000K, 4000K	2700K, 3000K, 4000K
LED power	8.4W	12W
Power with driver	10W	14.5W
LED luminous flux	1130lm@3000K	1460lm@3000K
Light luminous flux	920lm@3000K	1310lm@3000K
Lumen efficiency	82lm/W	90lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D76 H78.5 C68	D105 H90 C95

RADO

KOE

KDL2029-6 UGR <5



KDL2129-9 UGR <10




GBK


BK


MWH


MG


MSL









Item No.	KDL2029-6	KDL2129-6	KDL2129-9
Material	Aluminum	Aluminum	Aluminum
Color rendering index	CRI90	CRI90	CRI90
Beam angle	30°	30°	24°, 36°
Input	DC180mA 36V	DC180mA 36V	DC250mA 36V
CCT	2700K,3000K,4000K	2700K,3000K,4000K	2700K,3000K,4000K
LED power	6W	6W	8.9W
Power with driver	7.4W	7.4W	10.8W
LED luminous flux	810lm@3000K	810lm@3000K	1100lm@3000K
Light luminous flux	630lm@3000K	700lm@3000K	890lm@3000K
Lumen efficiency	85lm/W	95lm/W	82lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D65 H61.5 C55	D80 H65.5 C68	D80 H65.5 C68

RADO

KOE

RE17CS-6

UGR <16



RE17CM-9

UGR <19



Interchangeable anti-glare baffles





IP65

III

L80B10 50000H

Item No.	RE17CS-6	RE17CM-9
Material	Aluminum	Aluminum
Color rendering index	CRI90	CRI90
Beam angle	30°	36°
Input	DC180mA 36V	DC250mA 36V
CCT	2700K, 3000K, 4000K	2700K, 3000K, 4000K
LED power	6W	8.4W
Power with driver	7.4W	10W
LED luminous flux	810lm@3000K	1130lm@3000K
Light luminous flux	710lm@3000K	1030lm@3000K
Lumen efficiency	96lm/W	103lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D66 H43.5 C55	D80 H54 C68

RADO

KOE

RE13CS-6



RE13CM-9



UGR <16 | IP65 | III | L80B10 50000H

Item No.	RE13CS-6	RE13CM-9
Material	Aluminum	Aluminum
Color rendering index	CRI90	CRI90
Beam angle	30°	36°
Input	DC180mA 36V	DC250mA 36V
CCT	2700K, 3000K, 4000K	2700K, 3000K, 4000K
LED power	6W	8.4W
Power with driver	7.4W	10W
LED luminous flux	810lm@3000K	1130lm@3000K
Light luminous flux	710lm@3000K	990lm@3000K
Lumen efficiency	96lm/W	99lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D66 H48 C55	D80 H56 C68

RADO

KOE

KDL2024-6 UGR <16



KDL2124-9 UGR <16



KDL2121-9 UGR <13



IP23 III L80B10 50000H

Item No.	KDL2024-6	KDL2124-9	KDL2121-9
Material	Aluminum	Aluminum	Aluminum
Color rendering index	CRI90	CRI90	CRI90
Beam angle	30°	36°	36°
Input	DC180mA 36V	DC250mA 36V	DC250mA 36V
CCT	2700K, 3000K, 4000K	2700K, 3000K, 4000K	2700K, 3000K, 4000K
LED power	6W	8.4W	8.4W
Power with driver	7.4W	10W	10W
LED luminous flux	810lm@3000K	1130lm@3000K	990lm@3000K
Light luminous flux	710lm@3000K	990lm@3000K	470lm@3000K
Lumen efficiency	96lm/W	98lm/W	47lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D62 H45.5 C55	D76 H53.5 C68	D76 H53 C68

RADO

KOE

KDL2026-6



KDL2126B-9



KDL2226-12



UGR <13 | IP65 | III | L80B10 50000H

Item No.	KDL2026-6	KDL2126B-9	KDL2226-12
Material	Aluminum	Aluminum	Aluminum
Color rendering index	CRI90	CRI90	CRI90
Beam angle	24°	30°	30°
Input	DC180mA 36V	DC250mA 36V	DC350mA 36V
CCT	2700K, 3000K, 4000K	2700K, 3000K, 4000K	2700K, 3000K, 4000K
LED power	6W	8.4W	12W
Power with driver	7.4W	10.1W	14.6W
LED luminous flux	810lm@3000K	1130lm@3000K	1460lm@3000K
Light luminous flux	570lm@3000K	850lm@3000K	1100lm@3000K
Lumen efficiency	77lm/W	85lm/W	76lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D65 H94 C55	D82 H98 C75	D105 H113 C95

RADO

KOE

KDL2901-12



KDL2911-25



UGR <5 | IP20 | III | L80B10 50000H

Item No.	KDL2901-12	KDL2911-25
Material	Aluminum	Aluminum
Color rendering index	CRI90	CRI90
Beam angle	24°,36°	24°,36°
Input	DC350mA 36V	DC700mA 36V
CCT	2700K, 3000K, 4000K	2700K, 3000K, 4000K
LED power	12W	25W
Power with driver	14.5W	28W
LED luminous flux	1460lm@3000K	2800lm@3000K
Light luminous flux	1240lm@3000K	2380lm@3000K
Lumen efficiency	86lm/W	85lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D90 H109 C75	D115 H125 C95

RADO

KOE

KDL2901S-12



KDL2911S-25



UGR <5 | IP20 | III | L80B10 50000H

Item No.	KDL2901S-12	KDL2911S-25
Material	Aluminum	Aluminum
Color rendering index	CRI90	CRI90
Beam angle	24°,36°	24°,36°
Input	DC350mA 36V	DC700mA 36V
CCT	2700K, 3000K, 4000K	2700K, 3000K, 4000K
LED power	12W	25W
Power with driver	14.5W	28W
LED luminous flux	1460lm@3000K	2800lm@3000K
Light luminous flux	1240lm@3000K	2380lm@3000K
Lumen efficiency	86lm/W	85lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	90x90 H109 C75	115x115 H125 C95

RADO

KOE

KDL2902-9 UGR <16



KDL2902T-9 UGR <16



KDL2903-9



IP20 III L80B10 50000H

Item No.	KDL2902-9	KDL2902T-9	KDL2903-9
Material	Aluminum	Aluminum	Aluminum
Color rendering index	CRI90	CRI90	CRI90
Beam angle	24°	24°	35°/15°
Input	DC250mA 36V	DC250mA 36V	DC250mA 36V
CCT	2700K, 3000K, 4000K	2700K, 3000K, 4000K	2700K, 3000K, 4000K
LED power	8.4W	8.4W	8.4W
Power with driver	10W	10W	10W
LED luminous flux	1130lm@3000K	1130lm@3000K	1130lm@3000K
Light luminous flux	710lm@3000K	710lm@3000K	890lm@3000K
Lumen efficiency	71lm/W	71lm/W	89lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D82 H87 C75	D100 H87 C75	D82 H68 C75

RADO

KOE

KDL2901S-12



KDL2911S-25



IP20 III L80B10 50000H

Item No.	KDL2122-9	KDL2222-12
Material	Aluminum	Aluminum
Color rendering index	CRI90	CRI90
Beam angle	...	...
Input	DC250mA 36V	DC350mA 36V
CCT	2700K, 3000K, 4000K	2700K, 3000K, 4000K
LED power	8.4W	12W
Power with driver	10W	14.5W
LED luminous flux	1130lm@3000K	1460lm@3000K
Light luminous flux	730lm@3000K	900lm@3000K
Lumen efficiency	73lm/W	62lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D82 H91 C75	D108 H103 C95

UNIPRO

KOE

KDL2137TAR-9



KDL2138TAR-9





Item No.	KDL2137TAR-9	KDL2138TAR-9
Material	Aluminum	Aluminum
Color rendering index	CRI90	CRI90
Beam angle	38°, 60°	38°, 60°
Input	DC250mA 36V	DC250mA 36V
CCT	2700K, 3000K, 4000K	2700K, 3000K, 4000K
LED power	8.4W	8.4W
Power with driver	10W	10W
LED luminous flux	1130lm@3000K	1130lm@3000K
Light luminous flux	930lm@3000K	930lm@3000K
Lumen efficiency	93lm/W	93lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D95 H51 C80	L95x95 H51 C80

UNIPRO

KOE

KDL2137TAR-12



KDL2138TAR-12





Item No.	KDL2137TAR-12	KDL2138TAR-12
Material	Aluminum	Aluminum
Color rendering index	CRI90	CRI90
Beam angle	38°, 60°	38°, 60°
Input	DC350mA 36V	DC350mA 36V
CCT	2700K, 3000K, 4000K	2700K, 3000K, 4000K
LED power	12W	12W
Power with driver	14.5W	14.5W
LED luminous flux	1460lm@3000K	1460lm@3000K
Light luminous flux	1200lm@3000K	1200lm@3000K
Lumen efficiency	83lm/W	83lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D95 H56 C80	L95x95 H56 C80

UNIPRO

KOE

KDL2199-9



KDL2299-9



III IP23 L80B10 50000H

Item No.	KDL2199-9	KDL2299-9
Material	Aluminum	Aluminum
Color rendering index	CRI90	CRI90
Beam angle	38°, 60°	38°
Input	DC250mA 36V	DC250mA 36V
CCT	2700K, 3000K, 4000K	2700K, 3000K, 4000K
LED power	8.4W	8.4W
Power with driver	10W	10W
LED luminous flux	1130lm@3000K	1130lm@3000K
Light luminous flux	930lm@3000K	950lm@3000K
Lumen efficiency	93lm/W	95lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D95 H51 C83	D110 H75 C95

UNIPRO

KOE

KDL2199-12



KDL2299-12



III IP23 L80B10 50000H

Item No.	KDL2199-12	KDL2299-12
Material	Aluminum	Aluminum
Color rendering index	CRI90	CRI90
Beam angle	38°, 60°	38°
Input	DC350mA 36V	DC350mA 36V
CCT	2700K, 3000K, 4000K	2700K, 3000K, 4000K
LED power	12W	12W
Power with driver	14.5W	14.5W
LED luminous flux	1460lm@3000K	1460lm@3000K
Light luminous flux	1200lm@3000K	1230lm@3000K
Lumen efficiency	83lm/W	85lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D95 H51 C83	D110 H75 C95

FIRE RATED

KOE

FR51-6S4



FR61-6S4



FR61



Interchangeable bezels



MWH



BK



SN



CHR



Item No.	FR51-6S4	FR61-6S4
Material	Steel	Steel
Color rendering index	CRI80	CRI80
Beam angle	55°	55°
Input	220-240V	220-240V
CCT	2700K/3000K/4000K/6500K	2700K/3000K/4000K/6500K
Power with driver	4W/6W	4W/6W
LED luminous flux	470/700lm@4000K	470/700lm@4000K
Light luminous flux	410/620lm@4000K	400/600lm@4000K
Lumen efficiency	103/103lm/W@4000K	100/100lm/W@4000K
Expected lifetime	L70B30/30000H,Ta=25°C	L70B30/30000H,Ta=25°C
Size	D85 H49 C64-72	D86 H51 C64-72

FIRE RATED

KOE

FR01-6S4



FR11-6S4



FR11



Interchangeable bezels



MWH



BK



SN



CHR



Item No.	FR01-6S4	FR11-6S4
Material	Steel	Steel
Color rendering index	CRI80	CRI80
Beam angle	55°	55°
Input	220-240V	220-240V
CCT	2700K/3000K/4000K/6500K	2700K/3000K/4000K/6500K
Power with driver	4W/6W	4W/6W
LED luminous flux	540/810lm@4000K	540/810lm@4000K
Light luminous flux	480/710lm@4000K	460/700lm@4000K
Lumen efficiency	120/118lm/W@4000K	115/117lm/W@4000K
Expected lifetime	L70B30/50000H,Ta=25°C	L70B30/50000H,Ta=25°C
Size	D85 H35 C64-72	D86 H37 C64-72

FIRE RATED

KOE

FR01-7S4



FR02-7S4



FR03-7C4

UGR <19



DIM III IP65

Item No.	FR01-7S4	FR02-7S4	FR03-7C4
Material	Steel	Steel	Steel
Color rendering index	CRI90	CRI90	CRI90
Beam angle	55°	55°	36°
Input	220-240V	220-240V	220-240V
CCT	2700K/3000K/4000K/6500K	2700K/3000K/4000K/6500K	2700K/3000K/4000K/6000K
Power with driver	3W/5W/7W	3W/5W/7W	3W/5W/7W
LED luminous flux	420/640/870lm@4000K	420/640/870lm@4000K	350/530/720lm@4000K
Light luminous flux	370/560/770@4000K	360/540/740lm@4000K	310/470/630lm@4000K
Lumen efficiency	112/112/110lm/W@4000K	109/108/106lm/W@4000K	94/94/90lm/W@4000K
Expected lifetime	L70B30/50000H,Ta=25°C	L70B30/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D85 H35 C64-72	D85 H31 C68-76	D85 H46 C68-76

FIRE RATED

KOE

FR11-7S4



FR12-7S4



FR13-7C4

UGR <19



Interchangeable bezels

FR11





MWH



SN



BK



CHR

FR12





MWH



BK

FR13





MWH



BK

DIM

III

IP65

Item No.	FR11-7S4	FR12-7S4	FR13-7C4
Material	Steel	Steel	Steel
Color rendering index	CRI90	CRI90	CRI90
Beam angle	55°	55°	36°
Input	220-240V	220-240V	220-240V
CCT	2700K/3000K/4000K/6500K	2700K/3000K/4000K/6500K	2700K/3000K/4000K/6000K
Power with driver	3W/5W/7W	3W/5W/7W	3W/5W/7W
LED luminous flux	420/640/870lm@4000K	420/640/870lm@4000K	350/530/720lm@4000K
Light luminous flux	360/550/750@4000K	360/540/740lm@4000K	310/470/630lm@4000K
Lumen efficiency	109/110/107lm/W@4000K	109/108/106lm/W@4000K	94/94/90lm/W@4000K
Expected lifetime	L70B30/50000H,Ta=25°C	L70B30/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D86 H37 C64-72	D86 H33 C68-76	D86 H48 C68-76

FIRE RATED

KOE

FR21-7S4



FR22-7S4



FR23-7C4

UGR <19



Interchangeable bezels

FR21







MWH



SN

BK



CHR

FR22





MWH



BK

FR23





MWH



BK



Item No.	FR21-7S4	FR22-7S4	FR23-7C4
Material	Steel	Steel	Steel
Color rendering index	CRI90	CRI90	CRI90
Beam angle	55°	55°	30°
Input	220-240V	220-240V	220-240V
CCT	2700K/3000K/4000K/6500K	2700K/3000K/4000K/6500K	2700K/3000K/4000K/6000K
Power with driver	3W/5W/7W	3W/5W/7W	3W/5W/7W
LED luminous flux	420/640/870lm@4000K	420/640/870lm@4000K	350/530/720lm@4000K
Light luminous flux	370/560/770@4000K	340/520/710lm@4000K	310/470/630lm@4000K
Lumen efficiency	112/112/110lm/W@4000K	103/104/101lm/W@4000K	94/94/90lm/W@4000K
Expected lifetime	L70B30/50000H,Ta=25°C	L70B30/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D86 H36 C68-76	D86 H45 C68-76	D86 H65 C68-76

FIRE RATED

KOE

FR24-7S4



Interchangeable bezels



MWH MWH

BK BK

FR25-7C4

UGR <10



DIM III IP65 20°

Item No.	FR24-7S4	FR25-7C4
Material	Steel	Steel
Color rendering index	CRI90	CRI90
Beam angle	55°	30°
Input	220-240V	220-240V
CCT	2700K/3000K/4000K/6500K	2700K/3000K/4000K/6000K
Power with driver	3W/5W/7W	3W/5W/7W
LED luminous flux	420/640/870lm@4000K	350/530/720lm@4000K
Light luminous flux	360/540/740lm@4000K	280/430/580lm@4000K
Lumen efficiency	109/108/106lm/W@4000K	85/86/83lm/W@4000K
Expected lifetime	L70B30/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D86 H45 C68-76	D86 H65 C68-76

FIRE RATED

KOE

FR13-9C4

UGR <19



Interchangeable bezels





MWH



BK

DIM | III | IP65 | L80B10 50000H

Item No.	FR13-9C4
Material	Steel+Aluminum
Color rendering index	CRI90
Beam angle	36°
Input	220-240V
CCT	2700K/3000K/4000K/6000K
Power with driver	5W/7W/9W
LED luminous flux	530/730/950lm@4000K
Light luminous flux	470/640/840lm@4000K
Lumen efficiency	94/91/93lm/W@4000K
Expected lifetime	L80B10/50000H,Ta=25°C
Size	D86 H52 C68-76

RE2020

KOE

RE21T-6S3



RE23T-6S3




MWH


MBK


SN


CHR


MWH


BK


MWH/BK


MWH/CH







Item No.	RE21T-6S3	RE23T-6S3
Material	Aluminum	Aluminum
Color rendering index	CRI90	CRI90
Beam angle	55°	55°
Input	220-240V	220-240V
CCT	2700K/3000K/4000K	2700K/3000K/4000K
Power with driver	4W/6W	4W/6W
LED luminous flux	500/750lm@3000K	500/750lm@3000K
Light luminous flux	440/660lm@3000K	380/570lm@3000K
Lumen efficiency	110/110lm/W@3000K	95/95lm/W@3000K
Expected lifetime	L70B30/50000H,Ta=25°C	L70B30/50000H,Ta=25°C
Size	D82 H34 C68	D82 H61 C68

RE2020

KOE

RE21B-7C3



RE23B-7C3




MWH


MBK


SN


CHR


MWH


BK


MWH/BK


MWH/CH

III

IP65

L80B10
50000H

Item No.	RE21B-7C3	RE23B-7C3
Material	Aluminum	Aluminum
Color rendering index	CRI90	CRI90
Beam angle	36°, 60°	36°
Input	220-240V	220-240V
CCT	2700K/3000K/4000K	2700K/3000K/4000K
Power with driver	3W/5W/7W	3W/5W/7W
LED luminous flux	350/530/720lm@3000K	350/530/720lm@3000K
Light luminous flux	330/500/680lm@3000K	320/480/650lm@3000K
Lumen efficiency	100/100/97lm/W@3000K	97/96/93lm/W@3000K
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D82 H34 C68	D82 H61 C68

RE2020

KOE

RE21R-7C3



RE23R-7C3




MWH


MBK


SN


CHR


MWH


BK


MWH/BK


MWH/CH







Item No.	RE21R-7C3	RE23R-7C3
Material	Aluminum	Aluminum
Color rendering index	CRI90	CRI90
Beam angle	38°, 60°	38°
Input	220-240V	220-240V
CCT	2700K/3000K/4000K	2700K/3000K/4000K
Power with driver	3W/5W/7W	3W/5W/7W
LED luminous flux	350/530/720lm@3000K	350/530/720lm@3000K
Light luminous flux	300/460/630lm@3000K	280/420/570lm@3000K
Lumen efficiency	91/92/90lm/W@3000K	85/84/81lm/W@3000K
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D82 H34 C68	D82 H61 C68

RE2020

KOE

KDL2171WMBT-6S3-H6A



KDL2171WMER-7C3-H6A





MWH BK SN CHR

30° III IP65

Item No.	KDL2171WMBT-6S3-H6A	KDL2171WMER-7C3-H6A
Material	Aluminum	Aluminum
Color rendering index	CRI90	CRI90
Beam angle	55°	38°, 60°
Input	220-240V	220-240V
CCT	2700K/3000K/4000K	2700K/3000K/4000K
Power with driver	4W/6W	3W/5W/7W
LED luminous flux	500/750lm@3000K	350/530/720lm@3000K
Light luminous flux	440/660lm@3000K	300/460/630lm@3000K
Lumen efficiency	110/110lm/W@3000K	91/92/90lm/W@3000K
Expected lifetime	L70B30/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D82 H50 C68	D82 H50 C68

RE2020

KOE

RE13CS UGR <16



RE13CM UGR <19





Interchangeable bezels



MWH



BK



MG



MSL

III IP65 L80B10 50000H

Item No.	RE13CS-7C3	RE13CM-7C3	RE13CM-9C3
Material	Aluminum	Aluminum	Aluminum
Color rendering index	CRI90	CRI90	CRI90
Beam angle	30°	36°	36°
Input	220-240V	220-240V	220-240V
CCT	2700K/3000K/4000K	2700K/3000K/4000K	2700K/3000K/4000K
Power with driver	3W/5W/7W	3W/5W/7W	5W/7W/9W
LED luminous flux	350/530/720lm@3000K	350/530/720lm@3000K	530/730/950lm@3000K
Light luminous flux	300/460/630lm@3000K	320/460/630lm@3000K	470/640/840lm@3000K
Lumen efficiency	91/92/90lm/W@3000K	91/92/90lm/W@3000K	94/91/93lm/W@3000K
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D66 H48 C55	D80 H56 C68	D80 H56 C68

RE2020

KOE

RE14CS

UGR <16



RE14CM

UGR <19



Interchangeable bezels



SWH

III IP65 L80B10 50000H

Item No.	RE14CS-7C3	RE14CM-7C3	RE14CM-9C3
Material	Aluminum	Aluminum	Aluminum
Color rendering index	CRI90	CRI90	CRI90
Beam angle	30°	36°	36°
Input	220-240V	220-240V	220-240V
CCT	2700K/3000K/4000K	2700K/3000K/4000K	2700K/3000K/4000K
Power with driver	3W/5W/7W	3W/5W/7W	5W/7W/9W
LED luminous flux	350/530/720lm@3000K	350/530/720lm@3000K	530/730/950lm@3000K
Light luminous flux	300/460/630lm@3000K	300/460/630lm@3000K	470/640/840lm@3000K
Lumen efficiency	91/92/90lm/W@3000K	91/92/90lm/W@3000K	94/91/93lm/W@3000K
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D62 H45.5 C55	D76 H53.5 C68	D76 H53.5 C68

RE2020

KOE

RE17CS UGR <16



RE17CM UGR <19



Interchangeable anti-glare baffles





III IP65 L80B10 50000H

Item No.	RE17CS-7C3	RE17CM-7C3	RE17CM-9C3
Material	Aluminum	Aluminum	Aluminum
Color rendering index	CRI90	CRI90	CRI90
Beam angle	30°	36°	36°
Input	220-240V	220-240V	220-240V
CCT	2700K/3000K/4000K	2700K/3000K/4000K	2700K/3000K/4000K
Power with driver	3W/5W/7W	3W/5W/7W	5W/7W/9W
LED luminous flux	350/530/720lm@3000K	350/530/720lm@3000K	530/730/950lm@3000K
Light luminous flux	300/460/630lm@3000K	320/480/660lm@3000K	480/660/860lm@3000K
Lumen efficiency	91/92/90lm/W@3000K	97/96/94lm/W@3000K	96/94/96lm/W@3000K
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D66 H43.5 C55	D80 H54 C68	D80 H54 C68

RE2020

KOE

KDL2171WMBT-5S3-H6W



KDL2171WMBB-5C3-H6W



KDL2171WMBB-5C1-H6W





Item No.	KDL2171WMBT-5S3-H6W	KDL2171WMBB-5C3-H6W	KDL2171WMBB-5C1-H6W
Material	Aluminum	Aluminum	Aluminum
Color rendering index	CRI90	CRI90	CRI90
Beam angle	55°	36°, 60°	36°, 60°
Input	DC150mA 36V	DC150mA 36V	DC150mA 36V
CCT	2700K/3000K/4000K	2700K/3000K/4000K	2700K, 3000K, 4000K
LED power	5W	5W	5W
Power with driver	6.4W	6.4W	6.4W
LED luminous flux	750lm@3000K	650lm@3000K	680lm@3000K
Light luminous flux	680lm@3000K	630lm@3000K	660lm@3000K
Lumen efficiency	106lm/W	98lm/W	103lm/W
Expected lifetime	L70B30/50000H,Ta=25°C	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D82 H39 C68	D82 H39 C68	D82 H39 C68

RE2020

KOE

KDL2173WMBB-5C3-H6W



KDL2173WMBB-5C1-H6W



UGR <19 | III | IP65 | L80B10 50000H

Item No.	KDL2173WMBB-5C3-H6W	KDL2173WMBB-5C1-H6W
Material	Aluminum	Aluminum
Color rendering index	CRI90	CRI90
Beam angle	36°	36°
Input	DC150mA 36V	DC150mA 36V
CCT	2700K/3000K/4000K	2700K, 3000K, 4000K
LED power	5W	5W
Power with driver	6.4W	6.4W
LED luminous flux	650lm@3000K	680lm@3000K
Light luminous flux	600lm@3000K	630lm@3000K
Lumen efficiency	94lm/W	98lm/W
Expected lifetime	L80B10/50000H,Ta=25°C	L80B10/50000H,Ta=25°C
Size	D82 H66 C68	D82 H66 C68

RE2020

KOE

KDL2171WMER-6C1-H6A





MWH BK SN CHR

30° III IP65

Item No.	KDL2173WMER-6C1-H6A
Material	Aluminum
Color rendering index	CRI90
Beam angle	38°, 60°
Input	DC180mA 36V
CCT	2700K, 3000K, 4000K
LED power	6W
Power with driver	7.4W
LED luminous flux	810lm@3000K
Light luminous flux	710lm@3000K
Lumen efficiency	96lm/W
Expected lifetime	L80B10/50000H,Ta=25°C
Size	D82 H50 C68

ELLA

KOE

KDL117P-4



KDL137P-6



KDL147P-9



IP23 L70B30 50000H

Item No.	KDL117P-4	KDL137P-6	KDL147P-9
Material	Plastic	Plastic	Plastic
Color rendering index	CRI80	CRI80	CRI80
Beam angle	110°	110°	110°
Input	AC175-265V	AC175-265V	AC175-265V
CCT	3000K, 4000K	3000K, 4000K	3000K, 4000K
Rated power	4W	6W	9W
LED luminous flux	430lm@3000K	630lm@3000K	1030lm@3000K
Light luminous flux	300lm@3000K	480lm@3000K	790lm@3000K
Lumen efficiency	75lm/W	80lm/W	88lm/W
Expected lifetime	L70B30/50000H,Ta=25°C	L70B30/50000H,Ta=25°C	L70B30/50000H,Ta=25°C
Size	D92 H28 C75	D112 H28 C95	D138 H32 C115

ELLA

KOE

KDL118P-5



KDL138P-8



KDL148P-12



IP23

L70B30
50000H

Item No.	KDL118P-5	KDL138P-8	KDL148P-12
Material	Plastic	Plastic	Plastic
Color rendering index	CRI80	CRI80	CRI80
Beam angle	90°	90°	90°
Input	AC175-265V	AC175-265V	AC175-265V
CCT	3000K, 4000K	3000K, 4000K	3000K, 4000K
Rated power	5W	8W	12W
LED luminous flux	530lm@3000K	980lm@3000K	1400lm@3000K
Light luminous flux	350lm@3000K	650lm@3000K	990lm@3000K
Lumen efficiency	70lm/W	81lm/W	83lm/W
Expected lifetime	L70B30/50000H,Ta=25°C	L70B30/50000H,Ta=25°C	L70B30/50000H,Ta=25°C
Size	D88 H43 C75	D109 H50 C95	D140 H55 C125

EXTRAFLAT

KOE

KDL117-7



KDL147-10



Item No.	KDL117-7	KDL147-10
Material	Aluminum	Aluminum
Color rendering index	CRI80	CRI80
Beam angle	110°	110°
Input	DC180mA 36V	DC250mA 36V
CCT	3000K, 4000K	3000K, 4000K
LED power	6.3W	8.8W
Power with driver	7.9W	10W
LED luminous flux	870lm@3000K	1320lm@3000K
Light luminous flux	500lm@3000K	900lm@3000K
Lumen efficiency	63lm/W	90lm/W
Expected lifetime	L70B30/50000H,Ta=25°C	L70B30/50000H,Ta=25°C
Size	D100 H33 C75	D145 H34 C120

EXTRAFLAT

KOE

KDL167-20



KDL187-30



III IP20 L70B30 50000H

Item No.	KDL167-20	KDL187-30
Material	Aluminum	Aluminum
Color rendering index	CRI80	CRI80
Beam angle	110°	110°
Input	DC500mA 36V	DC700mA 36V
CCT	3000K, 4000K	3000K, 4000K
LED power	17W	24W
Power with driver	20W	28W
LED luminous flux	2540lm@3000K	3600lm@3000K
Light luminous flux	1800lm@3000K	2650lm@3000K
Lumen efficiency	90lm/W	95lm/W
Expected lifetime	L70B30/50000H,Ta=25°C	L70B30/50000H,Ta=25°C
Size	D180 H35 C150	D230 H36 C200

TANGO

KOE

KDL118-7



KDL188-40



III IP20 L70B30 50000H

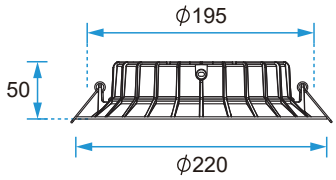
Item No.	KDL118-7	KDL188-40
Material	Aluminum	Aluminum
Color rendering index	CRI80	CRI80
Beam angle	90°	100°
Input	DC180mA 36V	DC1050mA 36V
CCT	3000K, 4000K	3000K, 4000K
LED power	6.3W	36.5W
Power with driver	7.9W	40.5W
LED luminous flux	910lm@3000K	5480lm@3000K
Light luminous flux	640lm@3000K	4380lm@3000K
Lumen efficiency	81lm/W	108lm/W
Expected lifetime	L70B30/50000H,Ta=25°C	L70B30/50000H,Ta=25°C
Size	D90 H42 C75	D220 H50 C195

TANGO

KOE

KDL188U-40





UGR <19 | III | IP54 | L80B20 50000H

Item No.	KDL188U-30 HE	KDL188U-40 HE	KDL188U-40 VHE
Material	Aluminum	Aluminum	Aluminum
Color rendering index	CRI80	CRI80	CRI80
Beam angle	80°	80°	80°
Input	DC700mA 36V	DC1050mA 36V	DC1050mA 36V
CCT	3000K, 4000K	3000K, 4000K	3000K, 4000K
LED power	23.5W	35W	34W
Power with driver	27W	39W	38W
LED luminous flux	3980lm@3000K	6020lm@3000K	6430lm@3000K
Light luminous flux	3780lm@3000K	5720lm@3000K	6110lm@3000K
Lumen efficiency	140lm/W	147lm/W	161lm/W
Expected lifetime	L80B20/50000H,Ta=25°C	L80B20/50000H,Ta=25°C	L80B20/50000H,Ta=25°C
Size	D220 H50 C195	D220 H50 C195	D220 H50 C195

TANGO

KOE

KDL119-8



KDL139-10







UGR <22 | III | IP54 | L80B20 50000H

Item No.	KDL119-8 HE	KDL139-10 HE
Material	Aluminum	Aluminum
Color rendering index	CRI80	CRI80
Beam angle	50°	55°
Input	DC180mA 36V	DC250mA 36V
CCT	3000K, 4000K	3000K, 4000K
LED power	6.1W	8.4W
Power with driver	7.6W	10.2W
LED luminous flux	1010lm@3000K	1410lm@3000K
Light luminous flux	810lm@3000K	1120lm@3000K
Lumen efficiency	107lm/W	110lm/W
Expected lifetime	L80B20/50000H,Ta=25°C	L80B20/50000H,Ta=25°C
Size	D83 H54 C75	D105 H65 C95

TANGO

KOE

KDL149-15

UGR <19



KDL169-20

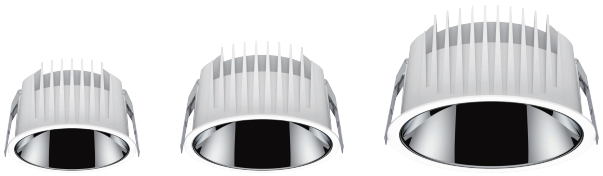
UGR <19



KDL189-30

UGR <16





III IP54 L80B20 50000H

Item No.	KDL149-15 HE	KDL169-20 HE	KDL189-30 HE	KDL189-40 HE
Material	Aluminum	Aluminum	Aluminum	Aluminum
Color rendering index	CRI80	CRI80	CRI80	CRI80
Beam angle	60°	60°	60°	60°
Input	DC350mA 36V	DC500mA 36V	DC700mA 36V	DC1050mA 36V
CCT	3000K, 4000K	3000K, 4000K	3000K, 4000K	3000K, 4000K
LED power	11.7W	16.7W	23.5W	35W
Power with driver	14W	19.5W	27W	39W
LED luminous flux	2040lm@3000K	2880lm@3000K	3980lm@3000K	6020lm@3000K
Light luminous flux	1730lm@3000K	2590lm@3000K	3580lm@3000K	5410lm@3000K
Lumen efficiency	124lm/W	133lm/W	133lm/W	139lm/W
Expected lifetime	L80B20/50000H Ta=25°C	L80B20/50000H Ta=25°C	L80B20/50000H Ta=25°C	L80B20/50000H Ta=25°C
Size	D133 H80 C125	D160 H90 C150	D215 H110 C200	D215 H110 C200